

**REPORT  
PHASE I REMOVAL ACTION  
RED PANTHER SITE  
CLARKSDALE, MISSISSIPPI**

**Prepared for:  
Red Panther PRP Group**

**March 2003**

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## List of Acronyms

AOC	Administrative Order on Consent
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
mg/m <sup>3</sup>	Milligrams Per Cubic Meter
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
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
TAL	Target Analyte List
TCL	Target Compound List

## EXECUTIVE SUMMARY

This report presents the results of the Phase I Removal Action 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 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 Removal Action was to excavate the surface soils from Ditches 1, 2, 3, and 4, perform confirmation sampling after the soils were removed, and to erect a security fence around Ditches 5 and 6 to prevent access to the ditches. The objective of the ditch soil removal action was to remove the surface and subsurface ditch soils exceeding the performance standards and to limit access to Ditches 5 and 6 until the impacted soils in these two ditches can be removed during Phase II.

The ditch characterization activities were performed from June 24, 2002 through June 27, 2002. The purpose of the ditch sampling was to compare the analytical results to the performance standards, estimate the amount of soil that would require excavation to meet the performance standards, and to evaluate disposal options for the soils to be excavated. Six ditches (designated 1 through 6) were sampled during the characterization activities. The ditch characterization data indicated that the concentrations of total chlorinated pesticides and dieldrin in the surface soils of Ditches 1 and 2 generally exceeded the performance standards whereas the concentrations of total chlorinated pesticides, dieldrin, and toxaphene in Ditches 3, 4, 5, and 6 did not exceed the performance standards. Arsenic was detected in lower concentrations in Ditches 1 and 2, and in higher concentrations in Ditches 3, 4, 5, and 6. The arsenic concentrations in all six ditches exceeded the performance standards. The soils (0-2-foot interval) in Ditches 1, 2, 3, and 4 did not exceed the TCLP regulatory limits for the full TCLP parameter list except for the 0-1' foot interval in Ditch 4. Tetrachloroethene was detected at 0.87 milligrams per liter (mg/L) in the 0-1' foot interval in Ditch 4, which barely exceeded the TCLP regulatory limit of 0.7 mg/L. Based on the TCLP testing, a majority of the soils in Ditches 1, 2, 3, and 4 were nonhazardous and could be disposed at a Subtitle D Landfill.

A majority of the soils in Ditches 5 and 6 exceeded the TCLP regulatory limit for arsenic (5.0 mg/L). Disposal of soils in Ditches 5 and 6 that exceed TCLP criteria for arsenic are subject to the hazardous waste and land disposal regulations.

The Phase I Removal Action was performed in November and December of 2002. Approximately 900 tons of soil were removed from four (Ditches 1, 2, 3, and 4) of the six drainage ditches. Of the excavated soil, 825 tons were disposed in the Waste Management Subtitle D Tunica Landfill in Robinsonville, Mississippi. Approximately 75 tons of soil exceeding the TCLP criteria were excavated from Ditch 1 (2-3 foot interval) and stockpiled onsite and secured. These soils will be addressed during Phase II.

Once each ditch had been excavated to 2 feet (except for Ditch 1), composite confirmation samples were collected. The samples were sent to Test America Laboratories in Nashville, Tennessee for analysis. The confirmation samples were analyzed for arsenic, dieldrin, and toxaphene (COCs for subsurface soils). After the ditch confirmation sample data was received the 95% Upper Confidence Limit (UCL) of the mean ditch domain concentration was calculated. Ditches 3 and 4 were approved for backfilling. Portions of Ditches 1 and 2 still exceeded the performance standards and required additional soil removal. An additional 1-foot interval was excavated from these portions of Ditches 1 and 2 and confirmation samples were collected over the areas of additional excavation. The 95% UCL of the mean ditch domain again failed the subsurface performance standards for toxaphene and dieldrin. This issue will be addressed during Phase II.

Heavy rains filled the ditches (mainly 1, 2, 3, and 4) several times during the backfilling process, complicating the excavation and backfilling process. The storm water was pumped from the ditches and stored in a frac tank onsite and sampled to determine disposal options. The storm water contained concentrations of pesticides, which were above the standards that the local POTW would accept. The storm water was subsequently transported to Excel TSD, Inc. in Memphis for final treatment and disposal as a non-hazardous non-regulated liquid.

During the removal action, approximately 350 feet of 6-foot high chain-link fence was removed from the north end of the property along Ditches 5 and 6 and disposed offsite. A new 6-foot high chain-link fence, with three-strand barbed wire, was installed north of Ditches 5 and 6 to prevent public access.

## 1.0 INTRODUCTION

This report presents the results of the Phase I Removal Action 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 Environmental Protection Agency (EPA) Region IV and the 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.

This report presents the results of the drainage ditch characterization and the excavation and disposal of the drainage ditch soils.

### 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 a 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. In November 1985, the facility obtained a RCRA Part B permit from the Mississippi Bureau of Pollution Control (MBPC) to store wastewater and spent solvents. At some point prior to obtaining RCRA interim status, and/or permit status, wastewater from the formulating process

was discharged either directly to an offsite ditch or into an underground septic tank and drain field on the facility property. 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 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).

The AOC between EPA Region IV and the Performing PRPs was finalized in September 2001. The AOC contained the previously described four components, 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 Performing 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 blow 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. A copy of the technical memo is included in Appendix A. 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. In October 2002, a revised schedule was submitted to EPA to extend the due date of the Site Characterization report. EPA Region IV approved this request on October 30, 2002.



## 2.0 DITCH CHARACTERIZATION ACTIVITIES

Ditch characterization activities were performed from June 24, 2002 through June 27, 2002. The purpose of the ditch sampling was to compare the analytical results to the performance standards, estimate the amount of soil that would require excavation to meet the performance standards, and to evaluate disposal options for the soils to be excavated. Six ditches (designated 1 through 6) were sampled during the characterization activities (Figure 2).

Ditch 1 receives runoff from a portion of Area D where the liquid blending operation was reportedly performed (Figure 2). Ditch 1 also receives a substantial amount of roof runoff from the warehouses in Area D. Ditch 1 drains into Ditch 2 on the south side of Patton Street. Ditches 5 and 6 are located on the northern side of the facility and are the most upgradient ditches that receive runoff from the site. Surface water in Area B drains to the north into Ditches 5 and 6, which then flows southeastwards into Ditch 4, which then in turns drains into Ditch 3 through a culvert under Normandy Avenue. Ditch 3 drains underneath Patton Street through two culverts into Ditch 2.

The ditch sampling was performed in accordance with the approved Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP). The soil samples were collected using stainless steel hand augers and sampling equipment. The sampling equipment was decontaminated between each sample location in accordance with the QAPP. The investigative derived waste (IDW) generated during the sampling effort was placed in 55-gallon Department of Transportation (DOT) drums, properly labeled, and secured onsite pending disposal during future removal actions. One drum of liquid decontamination fluids (wash and rinse water and isopropanol) and one drum of soil cuttings were generated during the ditch characterization.

A pair of composite soil samples were collected from each of the six ditches (Figure 3). Each pair consisted of a composite soil sample collected from the 0-1 foot below land surface (bls) interval and 1-2 foot bls interval in each ditch. A composite sample was formed by collecting soil from 5 aliquots (designated A through E) from the same interval (0-1' or 1-2') spaced evenly along the centerline of each ditch. Figure 3 shows the sample locations in each ditch. Each aliquot sample location was marked with a stake and surveyed for horizontal control by W.L. Burle, a registered surveyor in the State of Mississippi.

The ditch characterization samples were submitted to Test America, Inc. in Nashville, Tennessee for analysis of total chlorinated pesticides by EPA Method 8081A, arsenic by EPA Method 6010, and Toxicity Leaching Characteristic Procedure (TCLP) parameters (full list). The analytical results are presented on Table 1. A summary of the Quality Assurance Quality Control (QA/QC) samples is provided on Table 2. A copy of the analytical data and the chain-of-custodies are provided in Appendix B.

Table 3 presents the soil performance standards as outlined in the Phase I Work Plan and in the AOC. Surface soils are defined as the top two feet of soil. Subsurface soils are defined as the soils below the top two feet. The COCs for surface soils include total chlorinated pesticides, arsenic, dieldrin, and toxaphene; whereas, the COCs for the subsurface soils are arsenic, dieldrin, and toxaphene. The ditch characterization data indicated that the concentrations of total

chlorinated pesticides and dieldrin in the surface soils of Ditches 1 and 2 generally exceeded the performance standards; whereas, the concentrations of total chlorinated pesticides, dieldrin, and toxaphene in Ditches 3, 4, 5, and 6 surface soils did not exceed the performance standards. Arsenic was detected at lower concentrations in Ditches 1 and 2, and in higher concentrations detected in Ditches 3, 4, 5, and 6. The arsenic concentrations in all six ditches exceeded the performance standards.

The soils in Ditches 1, 2, 3, and 4 did not exceed the TCLP regulatory limits for the full TCLP parameter list except for the 0-1' foot interval in Ditch 4. Tetrachloroethene was detected at 0.87 milligrams per liter (mg/L) in the 0-1' foot interval in Ditch 4, which barely exceeded the TCLP regulatory limit of 0.7 mg/L. Based on the TCLP testing, a majority of the soils in Ditches 1, 2, 3, and 4 were classified as nonhazardous and could be disposed at a Subtitle D Landfill.

A majority of the soils in Ditches 5 and 6 exceeded the TCLP regulatory limit for arsenic (5.0 mg/L). Disposal of soils in Ditches 5 and 6 that exceed TCLP criteria for arsenic is subject to the hazardous waste and land disposal regulations.

Based upon the review of the analytical data, a request to modify the Phase I Work Plan was submitted to EPA on August 24, 2002. The modification included delaying the excavation of Ditches 5 and 6 until Phase II because the lateral and vertical extent of the impacted soils was unknown. A copy of the Phase I Work Plan modification request is included in Appendix A.

## 3.0 PHASE I REMOVAL ACTION

### 3.1 Purpose

The scope of work for the Phase I Removal Action was to excavate the surface soils from Ditches 1, 2, 3, and 4, perform confirmation sampling after the soils were removed, and to erect a security fence around Ditches 5 and 6 to prevent access to the ditches. The objective of the ditch soil removal action was to remove the surface and subsurface ditch soils exceeding the performance standards and to limit access to Ditches 5 and 6 until the impacted soils in these two ditches can be removed during Phase II.

### 3.2 Ditch Excavation Activities

The Phase I Removal Action was performed from November 11, 2002 through November 22, 2002. Prior to commencement of the removal activities, all appropriate permits were obtained from the City of Clarksdale and the Mississippi Department of Transportation (MS DOT) for excavation of the ditches. In addition to obtaining permits from the City, utilities were located and marked prior to the start of the excavation activities. URS retained HEPACO Incorporated in Memphis, Tennessee to perform the removal activities. Region IV EPA's contractor, Roy F. Weston, provided oversight services for EPA during the removal action.

Contamination Reduction Zones were established adjacent to Normandy Avenue, upgradient of Ditch 1, for the decontamination of excavation equipment during excavation activities. Prior to and after final completion of excavation activities, all excavation equipment was decontaminated using a high-pressure water wash. All decontamination wash waters were collected and stored onsite in 55-gallon drums or a 2,500-gallon frac tank, until disposal could be arranged.

The upper two feet of soil in Ditches 2 and 3 and the 0-1 foot interval in Ditch 1 were excavated and directly loaded into trucks for transportation to the Waste Management Subtitle D Landfill located in Robinson, Mississippi. The soils in these two ditches were determined to be nonhazardous during the ditch characterization sampling (see Table 1) and were profiled into the landfill prior to the start of the removal action. A copy of the waste disposal profile is included in Appendix C.

The soils in the 1-2 foot interval in Ditch 1 and the soils in Ditch 4 exceeded the TCLP regulatory limits for endrin (0.02 mg/L) and PCE (0.7 mg/L), respectively (Table 1). Therefore, it was determined that the 1-2 foot interval in Ditch 1 and soils in Ditch 4 would be stockpiled separately in the concrete berm in Area B. A composite sample was then collected from each of the stockpiles and submitted to Test America for TCLP testing. The resample of the Ditch 4 soils indicated these soils did not exceed the TCLP regulatory limit for PCE. Therefore, these soils were determined to be nonhazardous and could be disposed of at the Waste Management Subtitle D Landfill. The Ditch 1 soils that were resampled exceeded the TCLP toxaphene regulatory limit of 0.50 mg/L. These soils were stockpiled in the concrete berm in Area B for disposal during the Phase II Removal Action. The stockpile was placed on plastic sheeting and the entire stockpile covered and secured to prevent rainwater run-on and runoff. Table 4

provides the TCLP analytical results for the Ditch 1 and 4 stockpiles. A copy of the analytical data is included in Appendix D.

Once each ditch had been excavated to a 2 foot depth (except for Ditch 1), composite confirmation samples were collected. A composite sample was collected every 50 feet along the ditches (except where the culverts existed). The composite samples were formed by collecting soil from 5 aliquots (designated A1 through A5) spaced evenly along the centerline of the ditch. The samples were sent to Test America Laboratories in Nashville, Tennessee for analysis. The confirmation samples were analyzed for arsenic, dieldrin, and toxaphene (COCs for subsurface soils). The confirmation sample results are presented on Table 5. A copy of the analytical data is provided in Appendix E.

After the ditch confirmation sample data was received the 95% UCL of the mean concentration over the ditch exposure domain was calculated. It was found that Ditches 3 and 4 met the performance standards and were approved for backfill. The results of the 95% UCL calculation of the mean of the confirmation samples is provided in Appendix F. Portions of Ditches 1 and 2 still exceeded the performance standards and required additional soil removal. An additional 1-foot interval was excavated from these portions of Ditches 1 and 2. Confirmation samples (D1-C3 from Ditch 1 and D2-C5, D2-C6, and D2-C7 from Ditch 2) were collected from the bottom (3' bls) of both ditches after the additional 1-foot of soil was removed (Figure 5). The 95% UCL was recalculated and indicated that the ditch domain again failed the subsurface performance standards for toxaphene and dieldrin. The soils remaining in Ditches 1 and 2 that failed the subsurface performance standards will be addressed in the Phase II Work Plan. The statistical evaluation report (Memo, Newfields, December 6, 2002) is attached as Appendix F. The analytical results are presented on Table 5.

Approximately 900 tons of soil were excavated during the removal action from the four ditches. Of the soil excavated during this phase, 825 tons were disposed of at the Waste Management Subtitle D landfill. Table 6 lists the manifest numbers and tons of soil for each shipment that was transported to the landfill. The remaining 75 tons were comprised of the Ditch 1 soil that was stockpiled onsite and secured and will be addressed during Phase II, since these soils exceeded TCLP criteria.

### 3.3 Perimeter Air Monitoring During Removal Activities

Air monitoring was conducted at the perimeter of the exclusion zones during remediation activities that involved excavation, sorting, or direct handling of excavated soils. The purpose of monitoring was to monitor and control any potential off site migration of volatile substances or dusts. The monitoring strategy included the following:

- Real time monitoring for total organic vapors and particulates at the exclusion zone such that timely decisions could be made as needed to modify remedial operations or procedures, or to modify the level of personnel protection equipment required for worker protection.
- Dust measurements were collected using a real-time dust monitor for evaluation of potential off site impact from particulate matter.

### 3.3.1 Volatile Chemical Real Time Monitoring

Volatile emissions onsite were monitored utilizing direct read instrumentation. A photoionization detector (PID) was used to measure concentrations of organic vapors periodically at the site fence line, at the exclusion zone boundary, in the breathing zone, and in the excavated soils. Values obtained from the PID are listed on Table 7.

No exceedances of the 5 ppm breathing zone standard were observed in the breathing zone, at the exclusion zone boundary, or the site fence line.

### 3.3.2 Dust Monitoring

Fugitive dust monitoring was performed around the perimeter of the site during periods of active remediation activities. Portable instruments were used to collect dust measurements at two-hour intervals, upwind and downwind of the waste handling activities. Dust collection was performed using a GCE Mini-Ram portable dust monitor. In operation, ambient air is drawn by an internal pump and passed through a light beam where refracted dust is detected and digitally expressed in milligrams per cubic meter ( $\text{mg}/\text{m}^3$ ). The monitor is calibrated with clean air prior to sampling to establish the zero level. Readings were recorded on a standard form noting the date, time, and location of sample reading. The continuous monitors were calibrated or zeroed daily with a certified gas standard or per the manufacturers instructions to ensure that precise measurements were made.

No fugitive dust levels monitored downwind of the activity were  $5 \text{ mg}/\text{m}^3$  greater than the upwind readings. Therefore, per the SSHP, no action was required to mitigate dust emissions during the removal action.

### 3.4 Culvert Removal and Replacement

Approximately 24 linear feet of 12-inch diameter and 365 linear feet of 16-inch diameter shallow metal corrugated culverts along Normandy Avenue and 22 linear feet of 18-inch diameter and 97 linear feet of 24-inch diameter concrete culvert along Patton Street were removed and replaced with new culverts. Removed metal culverts were crushed and disposed with the nonhazardous materials at the approved Tunica Subtitle D Landfill. Removed concrete culverts were transported and disposed of intact. Culverts were replaced in their former locations using similar concrete or galvanized steel culverts. Following installation culvert soils and gravel beds were compacted with a vibrating compactor. The culverts were surveyed during installation to ensure appropriate drainage.

### 3.5 Ditch Restoration

A local borrow pit was utilized as a source of backfill for the ditch restoration. Prior to utilization, one composite sample was collected from the borrow pit and analyzed for Target Analyte List (TAL) metals and cyanide and Target Compound List (TCL) organics using EPA methods. The backfill sample contained low level of arsenic ( $4.92 \text{ mg}/\text{kg}$ ), considered to be

within the range of background levels in the area. It also contained 0.008 mg/kg DDT. Table 8 summarizes the borrow material analytical results and a copy of the analytical data is included in Appendix H. The borrow pit was approved by EPA after review of the analytical data.

The ditches were backfilled with soil from the borrow pit and were compacted using the excavator bucket and by running the excavator or the dozer over each area. Orange high visibility fencing was placed in the bottom of each ditch prior to backfilling to delineate clean fill from undisturbed soils, should additional excavation be required in the future. The ditches were surveyed during the backfilling operation to ensure that grade was maintained and the ditches would drain properly.

After the ditches were backfilled and graded, erosion and sedimentation control measures were installed. Erosion control measures consisted of lining the bottom and slopes of the ditches with grass matting. In addition, a series of hay bales were installed in Ditch 2, near Highway 49, to prevent silt from leaving the site. Ditches 5 and 6, which were not excavated, were also lined with the grass matting. A series of hay bales with silt fence were also installed in Ditches 5 and 6 every 100 feet to minimize sediment erosion and transport to the downgradient Ditches 1, 2, 3, and 4.

### **3.6 Surface Water Containment and Disposal**

Heavy rains filled the ditches (mainly 1, 2, 3, and 4) several times during the backfilling process, complicating the excavation and backfilling process. A sample of the storm water was collected on November 20, 2002 and was analyzed for arsenic, dieldrin, and toxaphene. The analysis indicated the storm water contained 3.6 ug/L of arsenic, 1.2 ug/L of dieldrin, and was below the laboratory detection limits for toxaphene. The analytical results are presented on Table 9. Since the bottom of Ditches 1 and 2 failed the excavation standards and the storm water sample indicated that the storm water had been impacted, EPA directed that the storm water not be discharged directly downgradient from the ditches or to the sanitary sewer. The storm water was pumped out of the ditches and held on-site until disposal options could be determined.

A 20,000-gallon frac tank and a 2,500-gallon poly tank were brought on site to temporarily store the storm water. Approximately 23,000 gallons of water was eventually pumped from the ditches and collected on-site. A sample of the tank contents were collected on November 25, 2002 and submitted to Analytical Services, Inc. in Norcross, Georgia for analysis. The analytical data is presented on Table 9 and a copy of the data is included in Appendix I. The storm water in the holding tanks contained concentrations of pesticides that were above the levels that the local POTW would accept. The storm water was subsequently profiled for disposal as a non-hazardous non-regulated liquid at Excel TSD, Inc. in Memphis. On December 10, 2002 the 22,604 gallons of storm water were shipped to Excel TSD, Inc. for final treatment and disposal. Copies of the waste manifest are included in Appendix J.

### **3.7 Site Access and Security**

During the removal action, approximately 350 feet of 6-foot high chain-link fence was removed from the north end of the property along Ditches 5 and 6 and disposed offsite. After the removal action was complete, a new 6-foot high chain-link fence, with three-strand barbed wire, was

installed north of Ditches 5 and 6 to prevent public access. A gate and lock was installed at the southeastern end of Ditch 5 to allow access to perform future removal action activities, as necessary.

## 4.0 RECOMMENDATIONS

Based upon the results of the Phase I Removal Action, URS makes the following recommendations:

- Address the soils remaining in Ditches 1 and 2 in the Phase II Work Plan.
- Address disposal options for the stockpiled soils from Ditch 1 in the Phase II Work Plan. The Ditch 1 soils currently stockpiled in the Area B berm should be periodically (i. e. every 3 months) inspected to ensure that the stockpile is properly covered.





Table 1  
Ditch Characterization Analytical Data  
Phase I Removal Action Report  
Red Panther Site

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>	8081A														
aldrin		mg/kg	N/A	105.00	152.00	310.00	84.40	1.49	0.0294	ND	ND	ND	ND	ND	ND
a-BHC		mg/kg	N/A	ND	16.90	114.00	22.10	ND	ND	ND	ND	ND	ND	ND	ND
b-BHC		mg/kg	N/A	ND	ND	ND	ND	ND	ND	ND	0.0284	ND	ND	ND	ND
d-BHC		mg/kg	N/A	ND	ND	29.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
g-BHC (Lindane)		mg/kg	N/A	ND	ND	44.30	ND	ND	ND	ND	ND	ND	ND	ND	1.68
4,4'-DDD		mg/kg	N/A	644.00	507.00	695.00	268.00	10.4	0.366	0.416	0.1950	ND	ND	0.238	11.0
4,4'-DDE		mg/kg	N/A	ND	ND	57.00	ND	1.73	0.0755	0.791	0.244	ND	ND	0.523	6.14
4,4'-DDT		mg/kg	N/A	917.00	823.00	1160.00	300.00	5.52	0.0714	0.958	0.0569	ND	ND	0.515	0.572
Dieldrin		mg/kg	N/A	213.00	177.00	822.00	160.00	4.37	0.31	1.16	0.374	0.26	0.0585	0.049	ND
Endosulfan I		mg/kg	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II		mg/kg	N/A	52.4	44.40	158.00	44.4	0.989	ND	0.749	ND	0.305	0.096	0.127	ND
Endosulfan sulfate		mg/kg	N/A	ND	ND	57.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin		mg/kg	N/A	278.00	194.00	443.00	156.00	ND	ND	ND	ND	ND	ND	0.182	ND
Endrin aldehyde		mg/kg	N/A	101.00	80.20	110	110	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone		mg/kg	N/A	98.7	78.1	88.5	64.4	0.989	ND	ND	ND	ND	ND	ND	ND
Heptachlor		mg/kg	N/A	ND	ND	12.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide		mg/kg	N/A	ND	ND	ND	ND	ND	ND	0.918	ND	ND	ND	ND	ND
Methoxychlor		mg/kg	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene		mg/kg	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-chlordane		mg/kg	N/A	16.1	12.7	50.6	20.0	2.97	0.0755	10.8	0.0853	1.05	0.346	0.175	ND
gamma-chlordane		mg/kg	N/A	ND	ND	25.3	ND	3.38	0.0840	12.8	0.106	1.28	0.286	0.18	ND
<b>Total Pesticides</b>		mg/kg		2427.20	2085.30	4066.80	1119.30	31.84	1.01	28.59	1.09	2.90	0.80	2.58	19.89
<b>Metals</b>	6010B														
Arsenic		mg/kg	N/A	71.50	39.50	69.10	80.30	248.00	90.90	859.00	57.30	3500.00	1470.00	2950.00	527.00

Page 1  
Ditch Characterization Analytical Data  
Phase I Removal Action Report  
Red Panther Site

Constituent	Analytical Method 6000/8260/8270/8091A	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>TCLP</b>															
Arsenic		mg/l	5.0	ND	ND	ND	ND	0.670	0.630	1.870	0.630	26.8	15.5	17.8	1.96
Barium		mg/L	100.0	1.04	1.19	1.53	1.64	ND	1.14	ND	ND	ND	ND	ND	ND
Cadmium		mg/L	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead		mg/L	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury		mg/l	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium		mg/l	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		mg/l	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		mg/l	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		mg/l	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		mg/l	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		mg/l	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylenelchlore		mg/L	200.0	ND	ND	ND	ND	ND	ND	ND	ND	0.150	1.03	ND	ND
Tetrachloroethene		mg/L	0.7	0.050	0.040	ND	0.060	0.070	ND	0.87	ND	ND	ND	ND	ND
Trichloroethene		mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		mg/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cresols		mg/L	200.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		mg/L	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene		mg/L	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene		mg/L	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexchlor-1,3-butadien		mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane		mg/L	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene		mg/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol		mg/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine		mg/l	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichloropheno		mg/L	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichloropheno		mg/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		mg/L	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene		mg/l	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin		mg/L	0.02	0.015	0.020	0.015	0.015	ND	0.0010	ND	0.0010	ND	0.0010	ND	ND
heptachlor		mg/L	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane		mg/L	0.4	0.0600	0.0450	0.0750	0.0550	ND	0.0010	ND	0.0010	ND	ND	0.0010	ND
methoxychlor		mg/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium		mg/L	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D		mg/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene		mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex		mg/L	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide		mg/L	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Note:  
mg/kg - milligrams per kilogram  
mg/L - milligrams per liter  
ND - Not Detected  
Bold - Value exceeds TCLP regulatory Limit

Ditch Characterization QA/QC Analytical Data  
Phase I Removal Action Report  
Red Panther Site  
Clarksdale, Mississippi

Constituent	Analytical Method	Units	SB03 0-1 EB (mg/L)	SB03 0-1 FB (mg/L)	SB03 0-1D (mg/kg)	Trip Blank (1) (mg/L)	Trip Blank (2) (mg/L)
<b>Pesticides</b>	<b>8081A</b>						
aldrin		mg/L	ND	ND	0.240	ND	ND
a-BHC		mg/L	ND	ND	ND	ND	ND
b-BHC		mg/L	ND	ND	ND	ND	ND
d-BHC		mg/L	ND	ND	ND	ND	ND
g-BHC (Lindane)		mg/L	ND	ND	ND	ND	ND
4,4' -DDD		mg/L	ND	ND	228.000	ND	ND
4,4' -DDE		mg/L	ND	ND	0.738	ND	ND
4,4' -DDT		mg/L	ND	ND	1.470	ND	ND
Dieldrin		mg/L	ND	ND	1.800	ND	ND
Endosulfan I		mg/L	ND	ND	ND	ND	ND
Endosulfan II		mg/L	ND	ND	0.399	ND	ND
Endosulfan sulfate		mg/L	ND	ND	ND	ND	ND
Endrin		mg/L	ND	ND	ND	ND	ND
Endrin aldehyde		mg/L	ND	ND	ND	ND	ND
Endrin Ketone		mg/L	ND	ND	0.259	ND	ND
Heptachlor		mg/L	ND	ND	ND	ND	ND
Heptachlor epoxide		mg/L	ND	ND	ND	ND	ND
Methoxychlor		mg/L	ND	ND	ND	ND	ND
Toxaphene		mg/L	ND	ND	ND	ND	ND
alpha-chlordane		mg/L	ND	ND	1.41	ND	ND
gamma-chlordane		mg/L	ND	ND	1.68	ND	ND
<b>Metals</b>	<b>6010B</b>						
Arsenic		mg/L	ND	ND	84.70	ND	ND

Note:  
mg/kg - milligrams per kilogram for soil samples  
mg/L - milligrams per liter for water samples

**Table 3**

**Performance Standards  
Phase I Removal Action Report  
Red Panther Site  
Clarksdale, Mississippi**

<b>Contaminant</b>	<b>Surface Soils Domain Average Concentration (95% UCL) (ppm)</b>	<b>Subsurface Soils Domain Average Concentration (95% UCL) (ppm)</b>	<b>Grid Concentration Requiring Aliquot Sampling (ppm)</b>	<b>Maximum Hot Spot Allowable (Size - 500 ft<sup>2</sup>) (ppm)</b>
Toxphene	39	220	260	1300
Arsenic	23	270	190	954
Dieldrin	3	15	18	89
Total Chlorinated Pesticides	100	N/A	N/A	N/A

**Notes:**

Surface Soils Defined as soils in the upper two feet  
 N/A Not Applicable  
 UCL Upper Confidence Level  
 ppm parts per million

Table 4

Soil Stockpile Analytical Data  
Phase I Action Removal Report  
Red Panther Site  
Clarksdale, Mississippi

Constituent	Analytical Method	Units	TCLP Regulatory Limit	Ditch 1 D1-11-2'	Ditch 4 D4-0-2'
<b>TCLP - Pesticides</b>	<b>8081A</b>				
Chlordane		mg/L	0.030	< 0.0025	
Endrin		mg/L	0.02	0.0150	
Heptachlor		mg/L	0.008	< 0.0025	
g-BHC (Lindane)		mg/L	0.4	0.0350	
Methoxychlor		mg/L	10.0	< 0.0025	
Toxaphene		mg/L	0.50	<b>0.550</b>	
Heptachlor epoxide		mg/L	0.008	< 0.0025	
<b>TCLP - Volatiles</b>	<b>8260</b>				
Benzene		mg/L	0.5		< 0.0200
Carbon tetrachloride		mg/L	0.5		< 0.0200
Chlorobenzene		mg/L	100		< 0.0200
Chloroform		mg/L	6.0		< 0.0200
1,2-Dichloroethane		mg/L	0.5		< 0.0200
1,1-Dichloroethene		mg/L	0.7		< 0.0200
Methylethylketone		mg/L	200		< 0.100
Tetrachloroethene		mg/L	0.7		< 0.0200
Trichloroethene		mg/L	0.5		< 0.0200
Vinyl Chloride		mg/L	0.2		< 0.0200

Note:  
mg/L - milligrams per liter  
Bold - Value exceeds TCLP regulatory Limit

Table 5

Ditch Confirmation Sample Analytical Results  
 Phase I Removal Action Report  
 Red Panther Site  
 Clarkdale, Mississippi

Constituent	Analytical Method	Units	Ditch 1					Ditch 2					Ditch 3					Ditch 4				
			D1-C1* 2' bis	D1-C2* 2' bis	D1-C3* 3' bis	D2-C1* 2' bis	D2-C2* 2' bis	D2-C3* 2' bis	D2-C4* 2' bis	D2-C6* 3' bis	D2-C6* 3' bis	D2-C7* 3' bis	D3-C1* 2' bis	D3-C2* 2' bis	D3-C3* 2' bis	D4-C1* 2' bis	D4-C2* 2' bis	D4-C3* 2' bis				
Pesticides	8081A	mg/kg	131	516	140	73.3	19.0	91.9	117	13.3	1.93	9.66	0.433	0.716	0.0626	0.140	0.0699	0.103				
			1190	243	3130	509	209	1280	1680	157	378	3.83	7.89	ND	1.24	0.519	0.609					
Metals	6010B	mg/kg	109	47.3	14.5	31.9	119	34.7	82.3	44.1	42.7	183	206	56.5	59.9	24.4	104					

Note:  
 mg/kg - milligrams per kilogram  
 • Each sample is a composite of 5 aliquots (A1 through A5)  
 bis - below land surface  
 ND - Non detect

**Table 6**

**Nonhazardous Soil Disposal Information  
Phase I Removal Action Report  
Red Panther Site  
Clarksdale, Mississippi**

Manifest #	Profile #	Date Shipped	Tons	Disposal Facility
010510	CU4849	11/12/02	24.59	Tunica Landfill
010678	CU4849	11/12/02	27.18	Tunica Landfill
010679	CU4849	11/12/02	32.41	Tunica Landfill
010676	CU4849	11/12/02	29.54	Tunica Landfill
010677	CU4849	11/12/02	22.02	Tunica Landfill
010506	CU4849	11/13/02	26.08	Tunica Landfill
010503	CU4849	11/13/02	25.79	Tunica Landfill
010505	CU4849	11/13/02	22.73	Tunica Landfill
010504	CU4849	11/13/02	19.40	Tunica Landfill
010502	CU4849	11/13/02	25.77	Tunica Landfill
010508	CU4849	11/13/02	22.01	Tunica Landfill
010509	CU4849	11/13/02	21.23	Tunica Landfill
010681	CU4849	11/13/02	27.65	Tunica Landfill
010691	CU4849	11/18/02	32.01	Tunica Landfill
010684	CU4849	11/20/02	29.42	Tunica Landfill
010685	CU4849	11/20/02	32.31	Tunica Landfill
010686	CU4849	11/20/02	7.52	Tunica Landfill
010687	CU4849	11/21/02	31.49	Tunica Landfill
010688	CU4849	11/21/02	28.04	Tunica Landfill
010692	CU4849	11/21/02	27.40	Tunica Landfill
010695	CU4849	11/21/02	29.70	Tunica Landfill
010693	CU4849	11/21/02	27.95	Tunica Landfill
010697	CU4849	11/22/02	27.07	Tunica Landfill
010698	CU4849	11/22/02	36.14	Tunica Landfill
008395	CU4849	11/22/02	36.14	Tunica Landfill
008396	CU4849	11/22/02	31.28	Tunica Landfill
010689	CU4849	11/22/02	31.83	Tunica Landfill
010683	CU4849	12/02/02	1.170	Tunica Landfill
008396	CU4849	11/22/02	31.28	Tunica Landfill
010694	CU4849	11/21/02	33.25	Tunica Landfill
010507	CU4849	11/13/02	25.79	Tunica Landfill
010680	CU4849	11/12/02	27.36	Tunica Landfill
006531	CU4849	12/27/02	29.09	Tunica Landfill



**Table 7**

**Air Monitoring Results  
Phase I Removal Action Report  
Red Panther Site  
Clarksdale, Mississippi**

<b>Date/Time</b>	<b>Location</b>	<b>Reading ppm</b>	<b>Standard</b>
November 13 10:19	Ditch 2	0 Breathing Zone	5-50 ppm
November 13 10:19	Ditch 2	14 – 18.6 Soil	N/A
November 13 10:45	Ditch 2	0 Breathing Zone	5-50 ppm
November 13 3:45	Ditch 4	0 Breathing Zone	5-50 ppm
November 13 3:45	Ditch 4	14.5 Soil	N/A
November 14 9:30	Ditch 4 Culvert	1.5 Soil	N/A
November 22 11:00	Ditch 1	0.2 Breathing Zone	5-50 ppm
November 22 11:00	Ditch 1	31.2 Soils	N/A

ppm – parts per million

**Table 8**

**Borrow Material Analytical Data  
Phase I Removal Action Report  
Red Panther Site  
Clarksdale, Mississippi**

<b>Sample Number</b>	<b>Date Collected</b>	<b>Volatile Organic Compounds EPA Method 8260B (mg/kg)</b>	<b>Pesticides EPA Method 8081A (mg/kg)</b>	<b>Arsenic EPA Method 6010B (mg/kg)</b>
SBP-01	11/12/02	ND	DDT - 0.008	4.92

ND - Not Detected  
mg/kg - milligrams per kilogram

Table 9

Storm Water Analytical Data  
Phase I Removal Action Report  
Red Panther Site  
Clarksdale, Mississippi

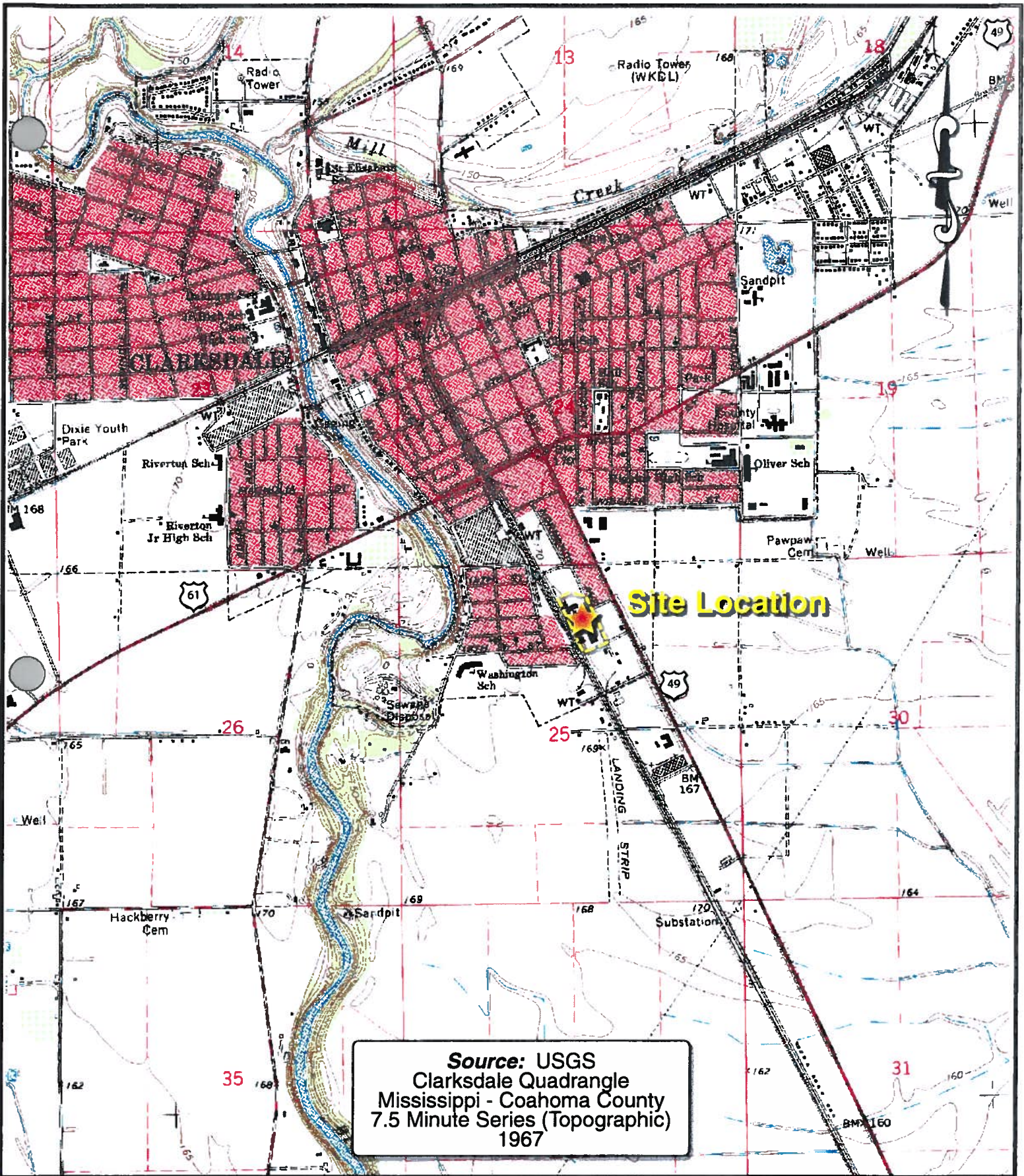
Constituent	Analytical Method	Units	Ditch Water (11/20/02)	SW-1 (11/25/02)
<b>Metals</b>				
Aluminum	6010B	mg/L		1.9
Antimony	6010B	mg/L		BDL
Arsenic	6010B	mg/L	3.6	0.62
Barium	6010B	mg/L		0.10
Beryllium	6010B	mg/L		BDL
Cadmium	6010B	mg/L		BDL
Calcium	6010B	mg/L		35
Chromium	6010B	mg/L		BDL
Cobalt	6010B	mg/L		BDL
Copper	6010B	mg/L		BDL
Iron	6010B	mg/L		1.7
Lead	7421	mg/L		BDL
Magnesium	6010B	mg/L		5.8
Manganese	6010B	mg/L		0.33
Mercury	7470A	mg/L		BDL
Nickel	6010B	mg/L		BDL
Potassium	6010B	mg/L		2.7
Selenium	7740A	mg/L		BDL
Silver	6010B	mg/L		BDL
Sodium	6010B	mg/L		31
Thallium	7841A	mg/L		BDL
Vanadium	6010B	mg/L		BDL
Zinc	6010B	mg/L		0.06
<b>Pesticides</b>				
Aldrin	8081A	ug/L		BDL
BHC-alpha	8081A	ug/L		12.2
BHC-beta	8081A	ug/L		5.8
BHC-delta	8081A	ug/L		4.6
BHC-gamma (Lindane)	8081A	ug/L		3.6
Chlordane	8081A	ug/L		BDL
4,4'-DDD	8081A	ug/L		BDL
4,4"-DDE	8081A	ug/L		BDL

**Table 9**


**Storm Water Analytical Data  
Phase I Removal Action Report  
Red Panther Site  
Clarksdale, Mississippi**

<b>Constituent</b>	<b>Analysis Method</b>	<b>Units</b>	<b>Dist. Water (11/20/02)</b>	<b>SW-1 (11/25/02)</b>
4,4"-DDT	8081A	ug/L		7.8
Dieldrin	8081A	ug/L	1.2	BDL
Endosulfan I	8081A	ug/L		BDL
Endosulfan II	8081A	ug/L		BDL
Endosulfan sulfate	8081A	ug/L		BDL
Endrin	8081A	ug/L		12.0
Endrin aldehyde	8081A	ug/L		BDL
Heptachlor	8081A	ug/L		BDL
Heptachlor epoxide	8081A	ug/L		BDL
Methoxychlor	8081A	ug/L		BDL
Toxaphene	8081A	ug/L	BDL	184
<b>Chlorinated Herbicides</b>				
2,4-D	8151A	ug/L		BDL
2,4-DB	8151A	ug/L		BDL
2,4,5-T	8151A	ug/L		BDL
Dalapon	8151A	ug/L		BDL
Dicamba	8151A	ug/L		BDL
Dichloroprop	8151A	ug/L		BDL
Dinoseb	8151A	ug/L		BDL
MCPA	8151A	ug/L		BDL
MCPP	8151A	ug/L		BDL





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

CLIENT: <b>Alston and Bird</b>		TITLE: <b>Site Location Map</b>		
PROJECT: <b>Red Panther Phase I Removal Action Report</b>				
DATE: <b>01/30/2003</b>	DESIGNED BY:			PROJ NO.: <b>37778-010</b>
SCALE: <b>Approximate Scale 1" = 2000'</b>	DRAWN BY: <b>J. Anderson</b>			TASK: <b>1205</b>
FILE: <b>H:\Projects\Red Panther\PI Removal\SiteMap.ai</b>	CHECKED BY: <b>B. Jacobs</b>	FIGURE: <b>1</b>		

SPRINGER INTERNATIONAL  
(TRACTOR STORAGE YARD)

SASSE STREET

TANK  
FARM

Former Septic  
System Area

**Area B**

GRAVEL

Graeber Brothers Property Boundary

Ditch 6

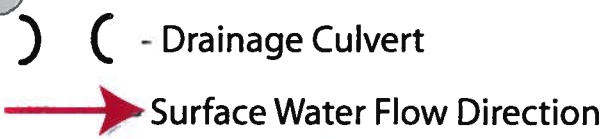
Concrete  
Ditch 5

AMERICAN  
STANDARD  
LAYDOWN AREA

Ditch 4

ORMANDY AVENUE

AMERICAN  
STANDARD



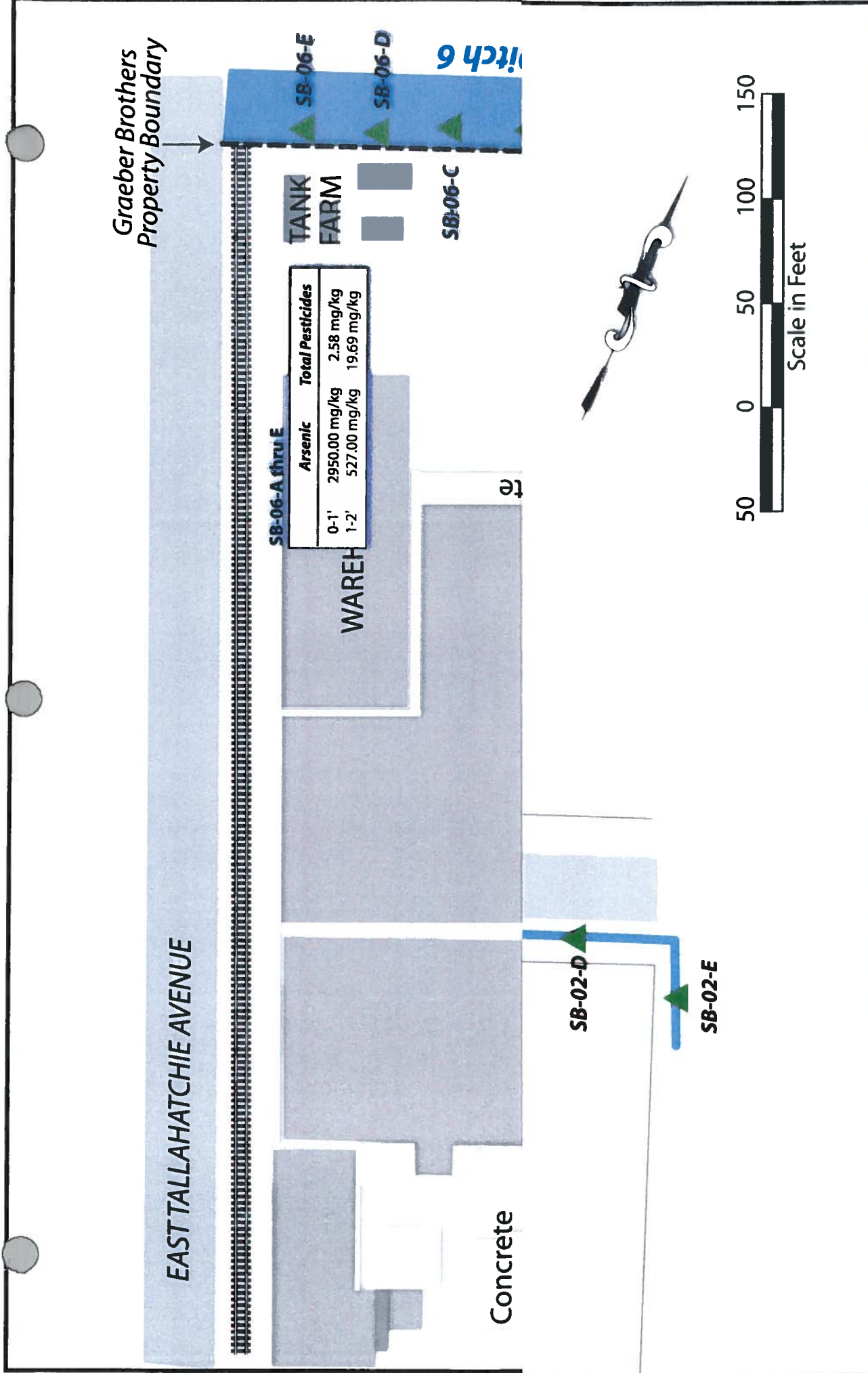
Site Diagram



CLIENT:	Alston & Bird		
PROJECT:	Red Panther Phase I Removal Action Report		
DATE:	01/30/2003	DESIGNED BY:	J. Anderson
SCALE:	As Shown	DRAWN BY:	B. Jacobs
FILE:	H:\Projects\RedPanther\PhaseIRemoval\siteDiagram.mxd		

PROJ. NO.:	37778-010
TASK:	1205
FIGURE:	2

TITLE:



<b>CLIENT:</b>	Alston & Bird		
<b>PROJECT:</b>	Red Panther Phase I Removal Action Report		
<b>DATE:</b>	01/30/2003	<b>DESIGNED BY:</b>	J. Anderson
<b>SCALE:</b>	As Shown	<b>DRAWN BY:</b>	B. Jacobs
<b>FILE:</b>	H:\Projects\RedPanther\Phase I Removal\sb_ditches.dwg		
<b>TITLE: Ditch Characterization Sample Locations &amp; Results</b>			
<b>PROJ. NO.:</b>	37778-010	<b>TASK:</b>	1205
<b>FIGURE:</b>	3		





OFFICE & LABS

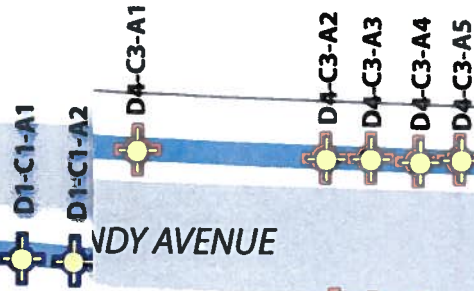
UNITS
899 mg/kg
19 mg/kg
4 mg/kg

AMERICAN STANDARD LAYDOWN AREA

D4-C3-A1 thru A5	
CONSTITUENT	UNITS
<b>Pesticides</b>	
Dieldrin	0.103 mg/kg
Toxaphene	0.609 mg/kg
<b>Metals</b>	
Arsenic	104 mg/kg

D1-C1-A1 thru A5	
CONSTITUENT	UNITS
<b>Pesticides</b>	
Dieldrin	131 mg/kg
Toxaphene	1190 mg/kg
<b>Metals</b>	
Arsenic	109 mg/kg

Ditch 1



thru A5	
CON	UNITS
<b>Pe</b>	0.0626 mg/kg
	ND
<b>Me</b>	56.5 mg/kg

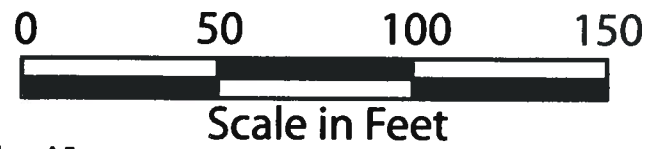


MID SOUTH PARKING LOT

AMERICAN STANDARD

D2-CON
<b>Pesti</b>
Di
To
<b>Metals</b>
Ar

D2-C1-CON
<b>Pesticid</b>
Dield
Toxa
<b>Metals</b>
Arsen



D2-C1-A1 thru A5	
CONSTITUENT	UNITS
<b>Pesticides</b>	
Dieldrin	73.2
Toxaphene	505
<b>Metals</b>	
Arsenic	31.5

TITLE: (2' bls) Confirmation Soil Post Excavation Sample Results



PROJ NO.:	37778-010
TASK:	1205
FIGURE:	4

Report  
J. Anderson  
B. Jacobs

OFFICE & LABS

AMERICAN STANDARD LAYDOWN AREA

Ditch 1

NDY AVENUE

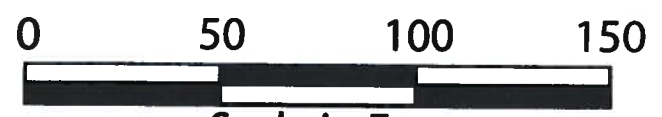


D1-C3-A1 thru A5

CONSTITUENT	UNITS
<b>Pesticides</b>	
Dieldrin	140 mg/kg
Toxaphene	3130 mg/kg
<b>Metals</b>	
Arsenic	14.5 mg/kg

MID SOUTH PARKING LOT

AMERICAN STANDARD



Scale in Feet

quots A1 thru A5

Report	TITLE:	<b>(3' bls) Confirmation Soil Post Excavation Sample Results</b>	PROJ NO.:	37778-010
	J. Anderson		TASK:	1205
B. Jacobs	<b>URS</b>		FIGURE:	5



**Appendix A**  
**Correspondence**





1349 West Peachtree Street, Suite 2000, Atlanta, Georgia 30309  
Tel: (404)347-9050 Fax: (404)347-9080

August 24, 2002

Ms. Katrina Jones  
U.S. EPA Region 4  
61 Forsyth Street, S.W.  
Atlanta, Georgia

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.



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.

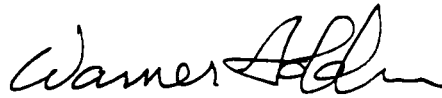
Sincerely,

URS

Handwritten signature of Brent Jacobs in black ink. The signature is cursive and includes the initials "B.J." at the end.

Brent Jacobs  
Project Coordinator

NewFields

Handwritten signature of Warner Golden in black ink. The signature is cursive and includes the initials "W.G." at the end.

Warner Golden, P.E.  
Technical Coordinator

Attachments:

Ditch Sample Results Summary Table

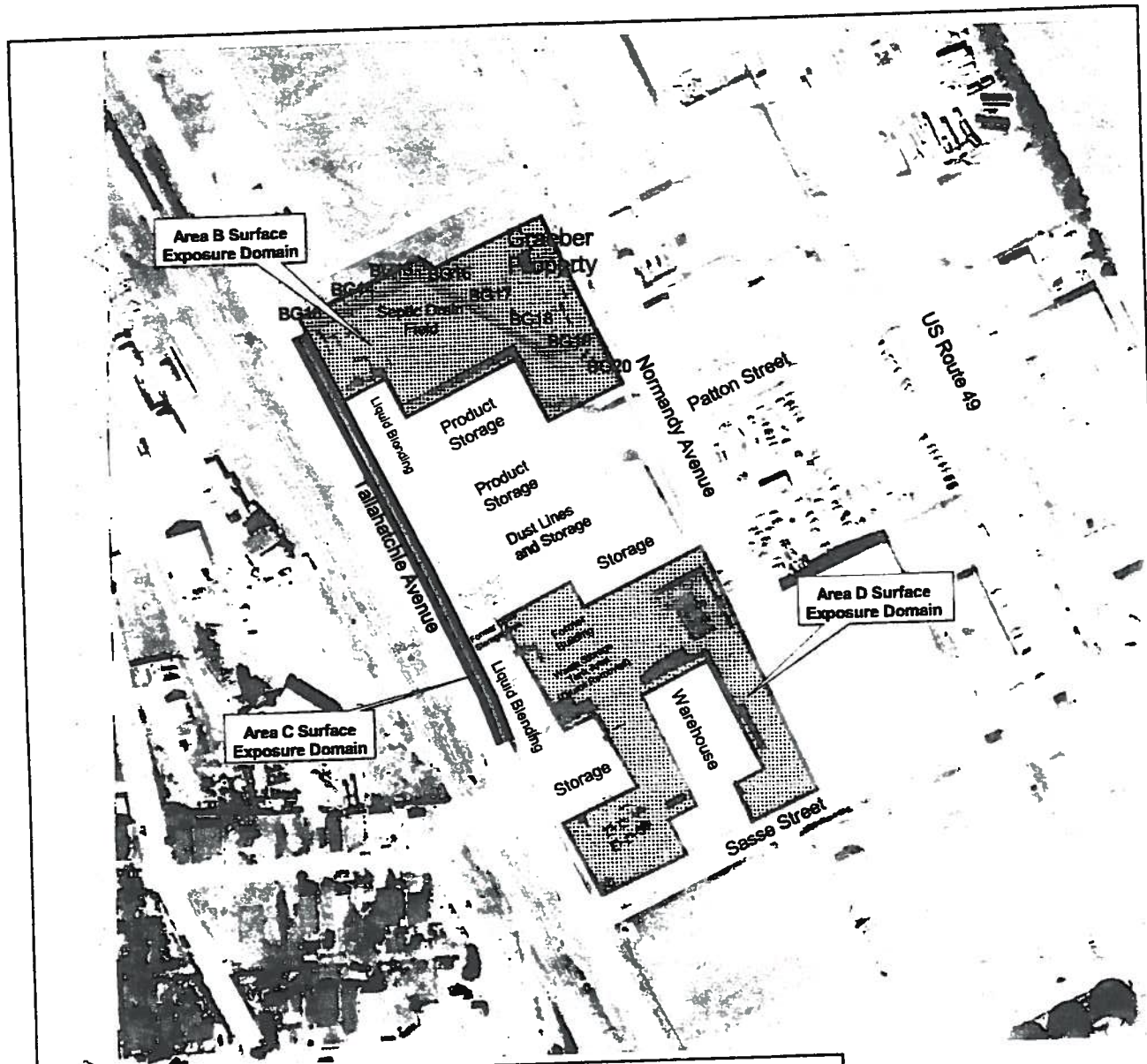
Figure 1 – Surface Exposure Domain

Figure 2 – Subsurface Exposure Domain






Ditch Characterization Analytical Data  
 Red Panther Removal  
 Clarksdale, Mississippi

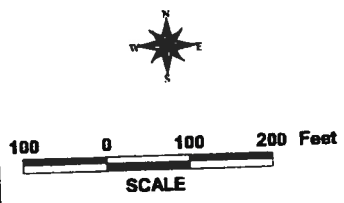
Constituent	Analytical Method	Units	TCLP Regulatory Limit (mg/L)	SB01 0-1'	SB01 1-2'	SB02 0-1	SB02 1-2'	SB03 0-1'	SB03 1-2'	SB04 0-1'	SB04 1-2'	SB05 0-1'	SB05 1-2'	SB06 0-1''	SB06 1-2'
<b>Pesticides</b>	<b>8081A</b>														
aldrin		mg/kg		105.00	155.00	310.00	84.40	1.49	0.03						
a-BHC		mg/kg		16.90	16.90	116.00	22.10				0.03				
b-BHC		mg/kg				29.50									
d-BHC		mg/kg				46.30									
g-BHC (Lindane)		mg/kg		694.00	539.00	833.00	295.00	11.30	0.39	0.79	0.02			0.31	2.03
4,4'-DDD		mg/kg				78.00		1.82	0.08	0.79	0.24			0.60	11.20
4,4'-DDE		mg/kg		956.00	854.00	1280.00	321.00	5.69	0.08	0.99	0.06			0.56	6.09
4,4'-DDT		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
Dieldrin		mg/kg													
Endosulfan I		mg/kg		76.50	65.40	228.00	64.40							0.18	
Endosulfan II		mg/kg				99.10									
Endosulfan sulfate		mg/kg		294.00	213.00	527.00	177.00							0.24	
Endrin		mg/kg		121.00	94.90										
Endrin aldehyde		mg/kg		98.70	78.10	97.00	64.40	0.82							
Endrin Ketone		mg/kg				12.60									
Heptachlor		mg/kg								0.92					
Heptachlor epoxide		mg/kg													
Heptachlor epoxide		mg/kg													
Methoxychlor		mg/kg													
Toxaphene		mg/kg		22.10	16.90	61.10	22.10	3.04	0.08	10.80	0.08	1.05	0.31	0.19	
alpha-chlordane		mg/kg				25.30		3.47	0.09	12.90	0.11	1.34	0.38	0.21	
gamma-chlordane		mg/kg		2610.30	2233.20	4680.90	1234.40	32.25	1.06	28.35	0.91	2.65	1.00	3.03	20.10
<b>Total Pesticides</b>															
<b>Metals</b>	<b>5010B</b>														
Arsenic		mg/kg		71.50		69.10	80.30	248.00		659.00	57.30	3500.00	1470.00	2950.00	527.00
<b>TCLP</b>	<b>5000/8260/8270/8</b>														
Arsenic		mg/L	5.00												
Tetrachloroethane		mg/L	0.70							0.87					


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



**LEGEND**

	<b>Area B Surface Exposure Domain</b>		<b>Site Boundary</b>
	<b>Area C Surface Exposure Domain</b>		<b>Study Area</b>
	<b>Area D Surface Exposure Domain</b>		

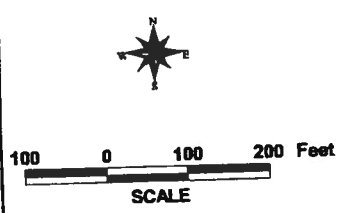


	<b>Red Panther Chemical Company</b> Clarksdale, Coahoma County, Mississippi	<b>Figure 1</b> <b>Surface Exposure Domains</b> Rev: Aug 23, 2002
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**LEGEND**

<p> Area A Subsurface Domain</p> <p> Area B Subsurface Domain</p> <p> Area C Subsurface Domain</p> <p> Area D Subsurface Domain</p>	<p> Site Boundary</p> <p> Study Area</p>
---	--



**NEWFIELDS**

Environmental Remediation Services, Suite 207  
1000 Highway 17, Clarksdale, MS 38622  
Phone: (662) 326-1111 Fax: (662) 326-1112  
www.newfields.com

**Red Panther Chemical Company**  
Clarksdale, Coahoma County, Mississippi

**Figure 2**  
**Subsurface Exposure Domains**  
**Ditch 5 and 6 Sampling Grids**  
Rev: August 23, 2002



September 13, 2002

Ms. Katrina Jones  
U.S. EPA Region 4  
Waste Management Branch  
Emergency Response and Removal Branch  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303

Re: Approval of August 24, 2002 Modifications to Phase I Final Work Plan  
Red Panther Site  
Clarksdale, Mississippi

Dear Ms. Jones:

This letter is to acknowledge the Red Panther PRP's receipt of your approval letter for the modifications (dated August 24, 2002) to the Phase I Final Work Plan. The modifications will be incorporated as an appendix to the Final Work Plan. It is my understanding from our telephone conversation on September 11, 2002 that the PRPs do not need to reissue the Phase I Final Work Plan after incorporating the modifications. I will forward you a schedule for the ditch excavation and site characterization activities next week.

-oOo-

If you have any questions or need additional information, please contact me at (678) 356-8205 or by email at Brent\_Jacobs@URScorp.com.

Yours very truly,  
URS Corporation

Brent B. Jacobs, P.G.  
Project Coordinator

Cc: Mr. Bob Mowrey, Alston & Bird  
Mr. Warner Golden, Newfields

URS Corporation  
5900 Windward Parkway, Suite 400  
Alpharetta, GA 30005  
Tel: 678.356.8300  
Fax: 678.356.0055



October 18, 2002

Ms. Katrina Jones  
U.S. EPA Region 4  
61 Forsyth Street, S.W.  
Atlanta, Georgia

Re: Revised Schedule for Red Panther Site and Notification of Removal Start Date  
Red Panther Site  
Clarksdale, Mississippi

Dear Ms. Jones

This letter transmits a revised schedule for the Red Panther site activities. URS is requesting a 45-day extension on behalf of the PRPs for the submittal of the Site Characterization report with the revised submittal date of March 19, 2003. The extension is being requested due to the recent modifications to the Phase I Work Plan that were approved by EPA on September 11, 2002. This extension will give the PRPs, URS, and Newfields sufficient time to receive and review the large amount of data that will be generated during the site characterization.

This letter also serves to notify EPA that URS will begin the Red Panther Removal, specifically the excavation of ditches 1 through 4 on November 11, 2002, subject to confirmation of access to the Red Panther property and adjacent properties. The removal activities will take approximately two weeks to complete. The site characterization activities will begin on December 2, 2002 after the removal activities have been completed and last approximately three weeks.

-oOo-

If you have any questions or need additional information, please contact me at (678) 356-8205 or email me at Brent\_Jacobs@URScorp.com.

Yours very truly,  
URS Corporation

Brent B. Jacobs, P.G.  
Project Coordinator



## **Appendix B**

### **Ditch Characterization Analytical Data**







52002

Phone: 615-726-0177  
Fax: 615-726-3404

Nashville Division  
2960 Foster Creighton  
Nashville, TN 37204

# TestAmerica

INCORPORATED

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

Client Name: \_\_\_\_\_ Client #: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State/Zip Code: \_\_\_\_\_ State: MS  
 Project Manager: Brent Jacobs  
 Telephone Number: \_\_\_\_\_  
 Sampler Name: (Print Name) Brent Jacobs  
 Sampler Signature: Brent Jacobs PO#: \_\_\_\_\_  
 Project Name: Red Panther  
 Project #: \_\_\_\_\_  
 Site/Location ID: MS  
 Report To: Brent Jacobs  
 Invoice To: Scene  
 Quote #: \_\_\_\_\_

TAT Standard <input checked="" type="checkbox"/> Rush (surcharges may apply)	Date Needed:	Fax Results: <u>Y</u> <u>N</u>	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Preservation & # of Containers					Analyze For:	QC Deliverables	REMARKS
							SL - Sludge DW - Drinking Water	GW - Groundwater S - Sol/Solid	MW - Wastewater	Specfy Other	HNO <sub>3</sub>			
SB03 0-1			6/26/02 0840		C							10521 105533	10521 105533	Level III
SB03 0-1 D			6/26/02 0940		C							76		Required
SB03 0-1 MS			6/26/02 0940		C							12		
SB03 0-1 MSD			6/26/02 0940		C							12		
SB03 1-2			6/26/02 1010		C							23	105535	
SB02 0-1			6/26/02 1045		C							24	105535	
SB02 1-2			6/26/02 1110		C							25	105535	
SB06 0-1			6/26/02 1150		C							26	105535	
SB06 1-2			6/26/02 1230		C							27	105535	
SB01 0-1			6/26/02 1300		C							28	105535	

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>Bob Johnson</u>	Date: <u>6/27</u>	Time: <u>0930</u>
Relinquished By: _____	Date: <u>6/27</u>	Time: <u>9:30</u>
Relinquished By: _____	Date: _____	Time: _____

Cell 770 630 0913



# Test America

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105513  
 Sample ID: SB03 0-1 EB  
 Sample Type: Ground water  
 Site ID: MS

Project:  
 Project Name: RED PANTHER REMOVAL  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected:  
 Date Received: 6/27/02  
 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	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
p-BHC	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
b-BHC	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
d-BHC	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
g-BHC, Lindane	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
4,4'-DDD	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
4,4'-DDE	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
4,4'-DDT	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
Dieldrin	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
Endosulfan I	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
Endosulfan II	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
Endosulfan Sulfate	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
Endrin	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
Endrin Aldehyde	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
Endrin Ketone	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
Heptachlor	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
Heptachlor Epoxide	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
Methoxychlor	ND	mg/l	0.00010	1	7/ 9/02	1:31	Henderson	8081A	5248
Toxaphene	ND	mg/l	0.00500	1	7/ 9/02	1:31	Henderson	8081A	5248
alpha-Chlordane	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
gamma-Chlordane	ND	mg/l	0.00005	1	7/ 9/02	1:31	Henderson	8081A	5248
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	7/ 1/02	10:30	C. Johnson	6010B	4524
<b>*MISCELLANEOUS CHEMISTRY*</b>									

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105513  
 Sample ID: SB03 0-1 EB  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
pH	7.4				6/28/02	13:00	J.Tyree	9040/150.1	9173

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	7/ 3/02		M. Ricke	3510/608

Surrogate	% Recovery	Target Range
pest surr-TMX	87.	33. - 127.
pest surr-DCB	63.	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

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105514  
 Sample ID: SB03 0-1 FB  
 Sample Type: Ground water  
 Site ID: MS

Project:  
 Project Name: RED PANTHER REMOVAL  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected:  
 Date Received: 6/27/02  
 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	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
a-BHC	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
b-BHC	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
d-BHC	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
g-BHC, Lindane	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
4,4'-DDD	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
4,4'-DDE	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
4,4'-DDT	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
Dieldrin	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
Endosulfan I	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
Endosulfan II	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
Endosulfan Sulfate	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
Endrin	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
Endrin Aldehyde	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
Endrin Ketone	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
Heptachlor	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
Heptachlor Epoxide	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
Methoxychlor	ND	mg/l	0.00010	1	7/ 9/02	2:01	Henderson	8081A	5248
Toxaphene	ND	mg/l	0.00050	1	7/ 9/02	2:01	Henderson	8081A	5248
alpha-Chlordane	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
gamma-Chlordane	ND	mg/l	0.00005	1	7/ 9/02	2:01	Henderson	8081A	5248
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	7/ 1/02	10:30	C.Johnson	6010R	4524

**\*MISCELLANEOUS CHEMISTRY\***

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105514  
 Sample ID: SB03 0-1 FB  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
PH	6.8				6/28/02	13:00	J. Tyree	9040/150.1	9173

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Pesticides	500. ml	5.00 ml	7/ 3/02		M. Ricke	3510/608

Surrogate	% Recovery	Target Range
pest surr-TCMX	80.	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.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105515  
 Sample ID: TRIP BLANK-1  
 Sample Type: Ground water  
 Site ID: MS

Project:  
 Project Name: RED PANTHER REMOVAL  
 Sampler: BRENT JACOBS

Date Collected:  
 Time Collected:  
 Date Received: 6/27/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*VOLATILE ORGANICS*</b>									
Acetone	ND	mg/l	0.0500	1	7/ 7/02	9:15	B.Herford	8260B	9191
Benzene	ND	mg/l	0.0020	1	7/ 7/02	9:15	B.Herford	8260B	9191
Bromobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Bromochloromethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Bromoform	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Bromomethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
2-Butanone	ND	mg/l	0.0500	1	7/ 7/02	9:15	B.Herford	8260B	9191
n-Butylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
sec-Butylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
t-Butylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Carbon disulfide	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Carbon tetrachloride	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Chlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Chloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Chloroform	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Chloromethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
2-Chlorotoluene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
4-Chlorotoluene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 7/02	9:15	B.Herford	8260B	9191
Dibromochloromethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2-Dibromoethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Dibromomethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Dichlorodifluoromethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105515  
 Sample ID: TRIP BLANK-1  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Nil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2-Dichloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,1-Dichloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2-Dichloropropane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,3-Dichloropropane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
2,2-Dichloropropane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,1-Dichloropropene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Ethylbenzene	ND	mg/l	0.0020	1	7/ 7/02	9:15	B.Herford	8260B	9191
Hexachlorobutadiene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
2-Hexanone	ND	mg/l	0.0100	1	7/ 7/02	9:15	B.Herford	8260B	9191
Isopropylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
4-Isopropyltoluene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 7/02	9:15	B.Herford	8260B	9191
Methylene chloride	ND	mg/l	0.00500	1	7/ 7/02	9:15	B.Herford	8260B	9191
Naphthalene	ND	mg/l	0.00500	1	7/ 7/02	9:15	B.Herford	8260B	9191
n-Propylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Styrene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Tetrachloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Toluene	ND	mg/l	0.0020	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Trichloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	7/ 7/02	9:15	B.Herford	8260B	9191
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Vinyl chloride	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Xylenes (Total)	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191
Bromodichloromethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

**Laboratory Number: 02-A105515**  
**Sample ID: TRIP BLANK-1**  
**Project:**  
**Page 3**

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit		Factor	Date			
Trichlorofluoromethane	ND	mg/l	0.00200	1	7/ 7/02	9:15	B.Herford	8260B	9191

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	88.	73. - 133.
VOA Surr Toluene-d8	92.	80. - 121.
VOA Surr, 4-BPB	96.	80. - 128.
VOA Surr, DBFM	90.	81. - 121.

**LABORATORY COMMENTS:**

- ND = Not detected at the report limit..
- 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.

d of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A105516  
Sample ID: TRIP BLANK-2  
Sample Type: Ground water  
Site ID:

Project:  
Project Name: RED PANTHER REMOVAL  
Sampler: BRENT JACOBS

Date Collected:  
Time Collected:  
Date Received: 6/27/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*VOLATILE ORGANICS*</b>									
Acetone	ND	mg/l	0.0500	1	7/ 7/02	9:46	B.Herford	8260B	9191
Benzene	ND	mg/l	0.0020	1	7/ 7/02	9:46	B.Herford	8260B	9191
Bromobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Bromochloromethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Bromoform	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Bromomethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
2-Butanone	ND	mg/l	0.0500	1	7/ 7/02	9:46	B.Herford	8260B	9191
n-Butylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
sec-Butylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
t-Butylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Carbon disulfide	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Carbon tetrachloride	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Chlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Chloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Chloroform	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Chloromethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
2-Chlorotoluene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
4-Chlorotoluene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 7/02	9:46	B.Herford	8260B	9191
Dibromochloromethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2-Dibromoethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Dibromomethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Dichlorodifluoromethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

**Laboratory Number: 02-A105516**  
**Sample ID: TRIP BLANK-2**  
**Project:**  
**Page 2**

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2-Dichloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,1-Dichloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2-Dichloropropane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,3-Dichloropropane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
2,2-Dichloropropane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,1-Dichloropropene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Ethylbenzene	ND	mg/l	0.0020	1	7/ 7/02	9:46	B.Herford	8260B	9191
Hexachlorobutadiene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
2-Hexanone	ND	mg/l	0.0100	1	7/ 7/02	9:46	B.Herford	8260B	9191
Isopropylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
4-Isopropyltoluene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 7/02	9:46	B.Herford	8260B	9191
Methylene chloride	NU	mg/l	0.00500	1	7/ 7/02	9:46	B.Herford	8260B	9191
Naphthalene	ND	mg/l	0.00500	1	7/ 7/02	9:46	B.Herford	8260B	9191
n-Propylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Styrene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Tetrachloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Toluene	ND	mg/l	0.0020	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Trichloroethene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	7/ 7/02	9:46	B.Herford	8260B	9191
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Vinyl chloride	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Xylenes (Total)	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191
Bromodichloromethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105516  
 Sample ID: TRIP BLANK-2  
 Project:  
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00200	1	7/ 7/02	9:46	B.Herford	8260B	9191

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	73. - 133.
VOA Surr Toluene-d8	93.	80. - 121.
VOA Surr, 4-BFB	97.	80. - 128.
VOA Surr, DBPM	90.	81. - 121.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

nd of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105517  
 Sample ID: SB05 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 13:30  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
a-BHC	ND	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
b-BHC	ND	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
c-BHC	ND	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
4,4'-DDD	ND	mg/kg	0.202	50	7/10/02	16:29	Henderson	8081A	5267
4,4'-DDE	ND	mg/kg	0.202	50	7/10/02	16:29	Henderson	8081A	5267
4,4'-DDT	ND	mg/kg	0.202	50	7/10/02	16:29	Henderson	8081A	5267
Dieldrin	0.263	mg/kg	0.202	50	7/10/02	16:29	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
Endosulfan II	0.305	mg/kg	0.202	50	7/10/02	16:29	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	0.202	50	7/10/02	16:29	Henderson	8081A	5267
Endrin	ND	mg/kg	0.202	50	7/10/02	16:29	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	0.497	50	7/10/02	16:29	Henderson	8081A	5267
Endrin Ketone	ND	mg/kg	0.202	50	7/10/02	16:29	Henderson	8081A	5267
Heptachlor	ND	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	1.01	50	7/10/02	16:29	Henderson	8081A	5267
Toxaphene	ND	mg/kg	10.1	50	7/10/02	16:29	Henderson	8081A	5267
alpha-Chlordane	1.05	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
gamma-Chlordane	1.28	mg/kg	0.101	50	7/10/02	16:29	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	3500	mg/kg	1.17	1	7/10/02	10:25	C. Johnson	6010B	7699

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105517  
 Sample ID: SB05 0-1  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
† Dry Weight	82.1	†			6/28/02	14:00	K. Keller	CLP	9179

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Peat	30.2 gm	10.0 ml	7/ 9/02		M. Ricke	3550 ..

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
 B = Analyte was detected in the method blank.  
 N = 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.  
 Peat surrogate diluted out due to sample matrix.

id of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105518  
 Sample ID: SB05 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 14:00  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
a-BHC	ND	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
b-BHC	ND	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
d-BHC	ND	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
4,4'-DDD	ND	mg/kg	0.0418	10	7/11/02	15:39	Henderson	8081A	5267
4,4'-DDE	ND	mg/kg	0.0418	10	7/11/02	15:39	Henderson	8081A	5267
4,4'-DDT	ND	mg/kg	0.0418	10	7/11/02	15:39	Henderson	8081A	5267
Dieldrin	0.0585	mg/kg	0.0418	10	7/11/02	15:39	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
Endosulfan II	0.0961	mg/kg	0.0418	10	7/11/02	15:39	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	0.0418	10	7/11/02	15:39	Henderson	8081A	5267
Endrin	ND	mg/kg	0.0418	10	7/11/02	15:39	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	0.134	10	7/11/02	15:39	Henderson	8081A	5267
Endrin Ketone	ND	mg/kg	0.0418	10	7/11/02	15:39	Henderson	8081A	5267
Heptachlor	ND	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	0.208	10	7/11/02	15:39	Henderson	8081A	5267
Toxaphene	ND	mg/kg	2.08	10	7/11/02	15:39	Henderson	8081A	5267
alpha-Chlordane	0.294	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
gamma-Chlordane	0.345	mg/kg	0.0208	10	7/11/02	15:39	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	1470	mg/kg	1.22	1	7/10/02	10:25	C. Johnson	6010B	7699

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105518  
 Sample ID: SB05 1-2  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.7	%			6/28/02	14:00	K. Keller	CLP	9179

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Resr	30.1 gm	10.0 ml	7/ 9/02		M. Ricka	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.  
 Pest surrogate diluted out due to sample matrix.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105519  
 Sample ID: SB04 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 15:15  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.208	100	7/10/02	17:28	Henderson	8081A	5267
a-BHC	ND	mg/kg	0.208	100	7/10/02	17:28	Henderson	8081A	5267
b-BHC	ND	mg/kg	0.208	100	7/10/02	17:28	Henderson	8081A	5267
d-BHC	ND	mg/kg	0.208	100	7/10/02	17:28	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	0.208	100	7/10/02	17:28	Henderson	8081A	5267
4,4'-DDD	0.416	mg/kg	0.416	100	7/10/02	17:28	Henderson	8081A	5267
4,4'-DDE	0.791 P	mg/kg	0.416	100	7/10/02	17:28	Henderson	8081A	5267
4,4'-DDT	0.958 P	mg/kg	0.416	100	7/10/02	17:28	Henderson	8081A	5267
Dieldrin	1.16	mg/kg	0.416	100	7/10/02	17:28	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	0.208	100	7/10/02	17:28	Henderson	8081A	5267
Endosulfan II	0.749	mg/kg	0.416	100	7/10/02	17:28	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	0.416	100	7/10/02	17:28	Henderson	8081A	5267
Endrin	ND	mg/kg	0.416	100	7/10/02	17:28	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	1.60	100	7/10/02	17:28	Henderson	8081A	5267
Endrin Ketone	ND	mg/kg	0.416	100	7/10/02	17:28	Henderson	8081A	5267
Heptachlor	0.916	mg/kg	0.208	100	7/10/02	17:28	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	0.208	100	7/10/02	17:28	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	2.08	100	7/10/02	17:28	Henderson	8081A	5267
Toxaphene	ND	mg/kg	20.8	100	7/10/02	17:28	Henderson	8081A	5267
alpha-Chlordane	10.8	mg/kg	1.04	500	7/10/02	17:28	Henderson	8081A	5267
gamma-Chlordane	12.8	mg/kg	1.04	500	7/10/02	17:28	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	859.	mg/kg	1.21	1	7/10/02	10:25	C.Johnson	6010B	7699

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A105519

Sample ID: SB04 0-1

Project:

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
* Dry Weight	80.0	*			6/28/02	14:00	K. Keller	CLP	9179

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	7/ 9/02		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.

Pest surrogate diluted out due to sample matrix.

id of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105520  
 Sample ID: SB04 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 15:40  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
a-BHC	ND	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
b-BHC	0.0284	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
d-BHC	ND	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
4,4'-DDD	0.195	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
4,4'-DDE	0.244	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
4,4'-DDT	0.0569	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
Dieldrin	0.374	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
Endosulfan II	ND	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
Endrin	ND	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
Endrin Ketone	ND	mg/kg	0.0407	10	7/10/02	17:57	Henderson	8081A	5267
Heptachlor	ND	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	0.203	10	7/10/02	17:57	Henderson	8081A	5267
Toxaphene	ND	mg/kg	2.03	10	7/10/02	17:57	Henderson	8081A	5267
alpha-Chlordane	0.0853	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
gamma-Chlordane	0.106	mg/kg	0.0203	10	7/10/02	17:57	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	57.3	mg/kg	1.16	1	7/10/02	10:25	C. Johnson	6010B	7699

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105520  
 Sample ID: SB04 1-2  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
* Dry Weight	81.9	%			6/28/02	14:00	K. Keller	CLP	9179

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	7/ 9/02.		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.  
 Pest surrogate diluted out due to sample matrix.

id 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-A105522  
 Sample ID: SB03 0-1D  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected: 9:40  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	0.240	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
a-BHC	ND	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
b-BHC	ND	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
d-BHC	ND	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
4,4'-DDD	2.28	mg/kg	0.199	50	7/10/02	18:56	Henderson	8081A	5267
4,4'-DDE	0.738	mg/kg	0.199	50	7/10/02	18:56	Henderson	8081A	5267
4,4'-DDT	1.47	mg/kg	0.199	50	7/10/02	18:56	Henderson	8081A	5267
Dieldrin	1.80	mg/kg	0.199	50	7/10/02	18:56	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
Endosulfan II	0.383	mg/kg	0.199	50	7/10/02	18:56	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	0.199	50	7/10/02	18:56	Henderson	8081A	5267
Endrin	ND	mg/kg	0.199	50	7/10/02	18:56	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	0.743	50	7/10/02	18:56	Henderson	8081A	5267
Endrin Ketone	0.259	mg/kg	0.199	50	7/10/02	18:56	Henderson	8081A	5267
Heptachlor	ND	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	0.996	50	7/10/02	18:56	Henderson	8081A	5267
Toxaphene	ND	mg/kg	9.96	50	7/10/02	18:56	Henderson	8081A	5267
alpha-Chlordane	1.41	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
gamma-Chlordane	1.68	mg/kg	0.0996	50	7/10/02	18:56	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	84.7	mg/kg	1.16	1	7/10/02	10:25	C. Johnson	6010B	7699

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105522  
 Sample ID: SB03 0-1D  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	83.5	%			6/28/02	14:00	K. Keller	CLP	9179

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	7/ 9/02		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.  
 # = Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pest surrogate diluted out due to sample matrix.

nd 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-A105523  
 Sample ID: SB03 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected: 10:10  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	0.0294	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
a-BHC	ND	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
b-BHC	ND	ug/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
d-BHC	ND	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
4,4'-DDD	0.366	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
4,4'-DDE	0.0755 P	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
4,4'-DDT	0.0714	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
Dieldrin	0.310	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
Endosulfan II	ND	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
Endrin	ND	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
Endrin ketone	ND	mg/kg	0.0420	10	7/11/02	9:15	Henderson	8081A	5267
Heptachlor	ND	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	0.209	10	7/11/02	9:15	Henderson	8081A	5267
Toxaphene	ND	mg/kg	2.09	10	7/11/02	9:15	Henderson	8081A	5267
alpha-Chlordane	0.0755	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
gamma-Chlordane	0.0840	mg/kg	0.0209	10	7/11/02	9:15	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	90.9	mg/kg	1.25	1	7/10/02	10:25	C. Johnson	6010B	7699

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A105523  
 Sample ID: SB03 1-2  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.3	%			6/28/02	14:00	K. Keller	CLP	9179

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	7/ 9/02		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.  
 Pest surrogate diluted out due to sample matrix. 4,4'-DDE  
 result shows >40% difference between channels.

id of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105524  
 Sample ID: SB02 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected: 10:45  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	nil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	310.	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
a-BHC	114.	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
b-BHC	ND	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
d-BHC	29.5	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
g-BHC, Lindane	44.3	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
4,4'-DDD	695.	mg/kg	105.	25000	7/10/02	20:54	Henderson	8081A	5267
4,4'-DDE	57.0	mg/kg	21.0	5000	7/10/02	20:54	Henderson	8081A	5267
4,4'-DDT	1160	mg/kg	105.	25000	7/10/02	20:54	Henderson	8081A	5267
Dieldrin	822.	mg/kg	105.	25000	7/10/02	20:54	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
Endosulfan II	158.	mg/kg	21.0	5000	7/10/02	20:54	Henderson	8081A	5267
Endosulfan sulfate	57.0	mg/kg	21.0	5000	7/10/02	20:54	Henderson	8081A	5267
Endrin	443.	mg/kg	105.	25000	7/10/02	20:54	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	309.	5000	7/10/02	20:54	Henderson	8081A	5267
Endrin Ketone	88.5	mg/kg	21.0	5000	7/10/02	20:54	Henderson	8081A	5267
Heptachlor	12.6	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	105.	5000	7/10/02	20:54	Henderson	8081A	5267
Toxaphene	ND	mg/kg	1050	5000	7/10/02	20:54	Henderson	8081A	5267
alpha-Chlordane	50.6	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
gamma-Chlordane	25.3	mg/kg	10.5	5000	7/10/02	20:54	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	69.1	mg/kg	1.23	1	7/10/02	10:25	C. Johnson	6010B	7699

sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

**Laboratory Number: 02-A105524**  
**Sample ID: SB02 0-1**  
**Project:**  
**Page 2**

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.0				6/28/02	14:00	K. Keller	CLP	9179

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	7/ 9/02		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.  
 Pest surrogate diluted out 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-A105525  
 Sample ID: SB02 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected: 11:10  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	84.4	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
a-BHC	22.1	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
b-BHC	ND	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
d-BHC	ND	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
4,4'-DDD	268.	mg/kg	22.1	5000	7/11/02	10:14	Henderson	8081A	5267
4,4'-DDE	ND	mg/kg	22.1	5000	7/11/02	10:14	Henderson	8081A	5267
4,4'-DDT	300.	mg/kg	22.1	5000	7/11/02	10:14	Henderson	8081A	5267
Dieldrin	160.	mg/kg	22.1	5000	7/11/02	10:14	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
Endosulfan II	45.2	mg/kg	22.1	5000	7/11/02	10:14	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	22.1	5000	7/11/02	10:14	Henderson	8081A	5267
Endrin	156.	mg/kg	22.1	5000	7/11/02	10:14	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	76.9	5000	7/11/02	10:14	Henderson	8081A	5267
Endrin Ketone	64.4	mg/kg	22.1	5000	7/11/02	10:14	Henderson	8081A	5267
Heptachlor	ND	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
Toxaphene	ND	mg/kg	1110	5000	7/11/02	10:14	Henderson	8081A	5267
alpha-Chlordane	20.0	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
gamma-Chlordane	ND	mg/kg	11.1	5000	7/11/02	10:14	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	80.3	mg/kg	1.35	1	7/10/02	10:25	C. Johnson	6010B	7699

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A105525  
 Sample ID: SB02 1-2  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.0	%			6/28/02	14:00	K. Keller	CLP	9179

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	7/ 9/02		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.  
 Pest surrogate diluted out due to sample matrix

id of Sample Report.



# Test America

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105526  
 Sample ID: SB06 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected: 11:50  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
a-BHC	ND	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
b-BHC	ND	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
d-BHC	ND	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
4,4'-DDD	0.238	mg/kg	0.0792	20	7/11/02	16:08	Henderson	8081A	5267
4,4'-DDR	0.523	mg/kg	0.0792	20	7/11/02	16:08	Henderson	8081A	5267
4,4'-DDT	0.515	mg/kg	0.0792	20	7/11/02	16:08	Henderson	8081A	5267
Dieldrin	0.649	mg/kg	0.0792	20	7/11/02	16:08	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
Endosulfan II	0.127 P	mg/kg	0.0792	20	7/11/02	16:08	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	0.0792	20	7/11/02	16:08	Henderson	8081A	5267
Endrin	0.182	mg/kg	0.0792	20	7/11/02	16:08	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	0.245	20	7/11/02	16:08	Henderson	8081A	5267
Endrin ketone	ND	mg/kg	0.0792	20	7/11/02	16:08	Henderson	8081A	5267
Heptachlor	ND	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	0.396	20	7/11/02	16:08	Henderson	8081A	5267
Toxaphene	ND	mg/kg	3.96	20	7/11/02	16:08	Henderson	8081A	5267
alpha-Chlordane	0.175	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
gamma-Chlordane	0.175	mg/kg	0.0396	20	7/11/02	16:08	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	2950	mg/kg	1.29	1	7/10/02	10:25	C. Johnson	6010B	7699

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A105526  
 Sample ID: SB06 0-1  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	84.1	%			6/28/02	14:00	K. Keller	CLP	9179

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.0 gm	10.0 ml	7/9/02		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.  
 Pest surrogate diluted out due to sample matrix. Endosulfan  
 II result shows >40% difference between channels.

nd of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105527  
 Sample ID: SB06 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected: 12:35  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
a-BHC	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
b-BHC	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
d-BHC	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
4,4'-DDD	1.98	mg/kg	0.520	100	7/11/02	11:13	Henderson	8081A	5267
4,4'-DDE	11.0	mg/kg	1.04	200	7/11/02	11:13	Henderson	8081A	5267
4,4'-DDT	6.14	mg/kg	0.520	100	7/11/02	11:13	Henderson	8081A	5267
Dieldrin	0.572	mg/kg	0.520	100	7/11/02	11:13	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
Endosulfan II	ND	mg/kg	0.520	100	7/11/02	11:13	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	0.520	100	7/11/02	11:13	Henderson	8081A	5267
Endrin	ND	mg/kg	0.520	100	7/11/02	11:13	Henderson	8081A	5267
Endrin aldehyde	ND	mg/kg	0.520	100	7/11/02	11:13	Henderson	8081A	5267
Endrin Ketone	ND	mg/kg	0.520	100	7/11/02	11:13	Henderson	8081A	5267
Heptachlor	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	2.59	100	7/11/02	11:13	Henderson	8081A	5267
Toxaphene	ND	mg/kg	25.9	100	7/11/02	11:13	Henderson	8081A	5267
alpha-Chlordane	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
gamma-Chlordane	ND	mg/kg	0.259	100	7/11/02	11:13	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	527.	mg/kg	1.58	1	7/10/02	10:25	C. Johnson	5010A	7699

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A105527  
 Sample ID: SB06 1-2  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	64.0	%			6/28/02	14:00	K. Keller	CLP	9179

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml.	7/ 9/02		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.  
 Pests surrogate diluted out due to sample matrix.

id of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105528  
Sample ID: SB01 0-1  
Sample Type: Soil  
Site ID: MS

Project:  
Project Name: RED PANTHER  
Sampler: BRENT JACOBS

Date Collected: 6/26/02  
Time Collected: 13:00  
Date Received: 6/27/02  
Time Received: 9:30  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	105.	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
a-BHC	ND	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
b-BHC	ND	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
d-BHC	ND	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
g-BHC, Lindane	ND	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
4,4'-DDD	644.	mg/kg	101.	25000	7/11/02	11:43	Henderson	8081A	5267
4,4'-DDE	ND	mg/kg	52.6	5000	7/11/02	11:43	Henderson	8081A	5267
4,4'-DDT	917.	mg/kg	101.	25000	7/11/02	11:43	Henderson	8081A	5267
Dieldrin	213.	mg/kg	20.1	5000	7/11/02	11:43	Henderson	8081A	5267
Endosulfan I	ND	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
Endosulfan II	52.4	mg/kg	20.1	5000	7/11/02	11:43	Henderson	8081A	5267
Endosulfan sulfate	ND	mg/kg	20.1	5000	7/11/02	11:43	Henderson	8081A	5267
Endrin	278.	mg/kg	20.1	5000	7/11/02	11:43	Henderson	8081A	5267
Endrin aldehyde	101.	P mg/kg	20.1	5000	7/11/02	11:43	Henderson	8081A	5267
Endrin ketone	98.7	mg/kg	20.1	5000	7/11/02	11:43	Henderson	8081A	5267
Heptachlor	ND	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
Heptachlor epoxide	ND	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
Methoxychlor	ND	mg/kg	101.	5000	7/11/02	11:43	Henderson	8081A	5267
Toxaphene	ND	mg/kg	1010	5000	7/11/02	11:43	Henderson	8081A	5267
alpha-Chlordane	18.1	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
gamma-Chlordane	ND	mg/kg	10.1	5000	7/11/02	11:43	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	71.5	mg/kg	1.17	1	7/10/02	10:25	C.Johnson	6010B	7699

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105528  
 Sample ID: SB01 0-1  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.7	%			6/28/02	14:00	K. Keller	CLP	9179

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	7/ 9/02		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.  
 Pest surrogate diluted out-due to sample matrix. Endrin  
 aldehyde result shows >40% difference between channels.

nd of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105529  
 Sample ID: SB01 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/26/02  
 Time Collected: 13:25  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	152.	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
a-BHC	16.9	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
b-BHC	ND	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
d-BHC	ND	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
g-BHC, Lindane	ND	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
4,4'-DDD	507.	ug/kg	105.	25000	7/11/02	12:12	Henderson	8081A	5267
4,4'-DDE	ND	ug/kg	21.0	5000	7/11/02	12:12	Henderson	8081A	5267
4,4'-DDT	823.	ug/kg	105.	25000	7/11/02	12:12	Henderson	8081A	5267
Dieldrin	177.	ug/kg	21.0	5000	7/11/02	12:12	Henderson	8081A	5267
Endosulfan I	ND	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
Endosulfan II	44.4	ug/kg	21.0	5000	7/11/02	12:12	Henderson	8081A	5267
Endosulfan sulfate	ND	ug/kg	21.0	5000	7/11/02	12:12	Henderson	8081A	5267
Endrin	194.	ug/kg	21.0	5000	7/11/02	12:12	Henderson	8081A	5267
Endrin aldehyde	80.2	ug/kg	21.0	5000	7/11/02	12:12	Henderson	8081A	5267
Endrin Ketone	78.1	ug/kg	21.0	5000	7/11/02	12:12	Henderson	8081A	5267
Heptachlor	ND	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
Heptachlor epoxide	ND	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
Methoxychlor	ND	ug/kg	105.	5000	7/11/02	12:12	Henderson	8081A	5267
Toxaphene	ND	ug/kg	1050	5000	7/11/02	12:12	Henderson	8081A	5267
alpha-Chlordane	12.7	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
gamma-Chlordane	ND	ug/kg	10.5	5000	7/11/02	12:12	Henderson	8081A	5267
<b>*METALS*</b>									
Arsenic	39.5	ug/kg	1.22	1	7/10/02	10:25	C. Johnson	6010B	7699

sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105529  
 Sample ID: SB01 1-2  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.9	%			6/28/02	14:00	K. Keller	CLP	9179

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	10.4 gm	10.0 ml	7/ 9/02		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.  
 Pest surrogate diluted out due to sample matrix. Endrin  
 aldehyde result shows >40% difference between channels.

id of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

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

Lab Number: 02-A105530  
 Sample ID: SB05 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 13:30  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	26.8	mg/l	5.0	98		7/11/02	6010B
Barium	< 1.00	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	0.150	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	55		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	56		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	72		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	58		7/16/02	8270
Hexchlor-1,3-butadien	< 0.0100	mg/l	0.5	52		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	54		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	68		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	74		7/16/02	8270

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105530

Sample ID: SB05 0-1

Project:

Page 2

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	36		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	76		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	74		7/16/02	8270
Chlordane	< 0.00050	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	< 0.00050	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	8081A
Lindane	< 0.00050	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace, Extraction	Initiated					7/ 9/02	1311

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	87.	80. - 128.
BNA Surr-Nitrobenzene-d5	70.	40. - 127.

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A105530  
 Sample ID: SB05 0-1  
 Project:  
 Page 3

Surrogate	% Recovery	Target Range
BNA Surr-2-Fluorobiphenyl	66.	42. - 113.
BNA Surr-Terphenyl-d14	78.	41. - 129.
BNA Surr-Phenol-d5	34.	1. - 75.
BNA Surr-2-Fluorophenol	50.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	78.	35. - 174.
pest surr-TCMX	42.	33. - 127.
surr-Dibutylchloroendate	40.	1. - 151.
surr-DCAA	86.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

id 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-A105531  
 Sample ID: SB05 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 14:00  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	15.5	mg/l	5.0	98		7/11/02	6010B
Barium	< 1.00	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	1.03	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	59		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	52		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	72		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	60		7/16/02	8270
Hexchlor-1,3-butadien	< 0.0100	mg/l	0.5	44		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	48		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	66		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	74		7/16/02	8270

Sample report continued . . .

# Test America

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## ANALYTICAL REPORT

**Laboratory Number: 02-A105531**  
**Sample ID: SB05 1-2**  
**Project:**  
**Page 2**

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	44		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	78		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	76		7/16/02	8270
Chlordane	< 0.00050	ug/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	0.00100	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	8081A
Lindane	< 0.00050	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	73. - 133.
VOA Surr Toluene-d8	91.	80. - 121.
VOA Surr, 4-BFB	89.	80. - 128.
BNA Surr-Nitrobenzene-d5	74.	40. - 127.

Sample report continued . . .



# TestAmerica

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## ANALYTICAL REPORT

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

Lab Number: 02-A105532  
 Sample ID: SB04 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 15:15  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	1.82	mg/l	5.0	98		7/11/02	6010B
Barium	< 1.00	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	0.870	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	60		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	56		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	74		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	58		7/16/02	8270
Hexachlor-1,3-butadien	< 0.0100	mg/l	0.5	52		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	52		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	74		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	64		7/16/02	8270

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105532  
 Sample ID: SB04 0-1  
 Project:  
 Page 2

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	38		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	76		7/16/02	8276
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	74		7/16/02	8270
Chlordane	< 0.00050	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	< 0.00050	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	8081A
Lindane	< 0.00050	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	7		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace Extraction	Initiated					7/ 9/02	1311

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	73. - 133.
VOA Surr Toluene-d8	91.	80. - 121.
VOA Surr, 4-BFB	86.	80. - 128.
BNA Surr-Nitrobenzene-d5	68.	40. - 127.

ample report continued . . .



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## ANALYTICAL REPORT

Laboratory Number: 02-A105532

Sample ID: SB04 0-1

Project:

Page 3

Surrogate	% Recovery	Target Range
BNA Surr-2-Fluorobiphenyl	64.	42. - 113.
BNA Surr-Terphenyl-d14	72.	41. - 129.
BNA Surr-Phenol-d5	30.	1. - 75.
BNA Surr-2-Fluorophenol	44.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	76.	35. - 174.
pest surr-TCMX	46.	33. - 127.
surr-Dibutylchlorodate	49.	1. - 151.
surr-DCAA	88.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

id 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-A105533  
 Sample ID: SB04 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 15:40  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Matrix Spike			
			Reg Limit	Recovery (%)	Date	Method
Arsenic	0.630	mg/l	5.0	98	7/11/02	6010B
Barium	< 1.00	mg/l	100	98	7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96	7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92	7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96	7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101	7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105	7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99	7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108	7/10/02	8260-
Carbon tetrachloride	< 0.0200	mg/l	0.5	100	7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104	7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110	7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108	7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108	7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88	7/10/02	8260
Tetrachloroethene	< 0.0200	mg/l	0.7	108	7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104	7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108	7/10/02	8260
Cresols	< 0.0100	mg/l	200	55	7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	56	7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	72	7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	58	7/16/02	8270
Hexachlor-1,3-butadien	< 0.0100	mg/l	0.5	52	7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	54	7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	68	7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	74	7/16/02	8270

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

**Laboratory Number: 02-A105533**  
**Sample ID: SB04 1-2**  
**Project:**  
**Page 2**

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	36		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	76		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	74		7/16/02	8270
Chlordane	< 0.00050	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	0.00100	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	8081A
Lindane	0.00200	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace, Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	92.	80. - 121.
VOA Surr, 4-BFR	87.	80. - 128.
BNA Surr-Nitrobenzene-d5	72.	40. - 127.

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A105533

Sample ID: SB04 1-2

Project:

Page 3

Surrogate -----	% Recovery -----	Target Range -----
BNA Surr-2-Fluorobiphenyl	68.	42. - 113.
BNA Surr-Terphenyl-d14	74.	41. - 129.
BNA Surr-Phenol-d5	32.	1. - 75.
BNA Surr-2-Fluorophenol	48.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	78.	35. - 174.
pest surr-TOM	50.	33. - 127.
surr-Dibutylchloroendate	44.	1. - 151.
surr-DCAA	86.	61. - 159.

### LABORATORY COMMENTS:

- ND = Not detected at the report limit.
- 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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# TestAmerica

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## ANALYTICAL REPORT

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

Lab Number: 02-A105534  
 Sample ID: SB03 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 9:40  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	0.670	mg/l	5.0	98		7/11/02	6010B
Barium	< 1.00	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010D
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	0.0700	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	59		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	52		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	72		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	60		7/16/02	8270
Hexchlor-1,3-butadien	< 0.0100	mg/l	0.5	44		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	48		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	66		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	74		7/16/02	8270

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## ANALYTICAL REPORT

**Laboratory Number:** 02-A105534  
**Sample ID:** SB03 0-1  
**Project:**  
**Page 2**

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	44		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	78		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	76		7/16/02	8270
Chlordane	< 0.00050	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	< 0.00050	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	8081A
Lindane	< 0.00050	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP RNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	96.	80. - 121.
VOA Surr, 4-BPB	91.	80. - 128.
BNA Surr-Nitrobenzene-d5	72.	40. - 127.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A105534  
 Sample ID: SB03 0-1  
 Project:  
 Page 3

Surrogate	% Recovery	Target Range
BNA Surr-2-Fluorobiphenyl	66.	42. - 113.
BNA Surr-Terphenyl-d14	68.	41. - 129.
BNA Surr-Phenol-d5	30.	1. - 75.
BNA Surr-2-Fluorophenol	44.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	80.	35. - 174.
pest surr-TCMX	46.	33. - 127.
surr-Dibutylchlorodate	50.	1. - 151.
surr-DCAA	98.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

id of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A105535  
 Sample ID: SB03 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 10:10  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	0.830	mg/l	5.0	98		7/11/02	6010B
Barium	1.14	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	60		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	56		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	74		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	58		7/16/02	8270
Hexchlor-1,3-butadien	< 0.0100	mg/l	0.5	52		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	52		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	74		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	64		7/16/02	8270

Sample report continued . . .



## ANALYTICAL REPORT

Laboratory Number: 02-A105535  
 Sample ID: SB03 1-2  
 Project:  
 Page 2

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	38		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	76		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	74		7/16/02	8270
Chlordane	< 0.00050	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	0.00100	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	8081A
Lindane	0.00100	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Mt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP RNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	95.	80. - 121.
VOA Surr, 4-BFB	86.	80. - 128.
RNA Surr-Nitrobenzene-d5	72.	40. - 127.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A105535  
 Sample ID: SB03 1-2  
 Project:  
 Page 3

Surrogate	% Recovery	Target Range
BNA Surr-2-Fluorobiphenyl	66.	42. - 113.
BNA Surr-Terphenyl-d14	78.	41. - 129.
BNA Surr-Phenol-d5	32.	1. - 75.
BNA Surr-2-Fluorophenol	48.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	80.	35. - 174.
pest surr-TCMX	36.	33. - 127.
surr-Dibutylchloroendate	38.	1. - 151.
surr-DCAA	90.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

nd of Sample Report.

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## ANALYTICAL REPORT

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

Lab Number: 02-A105536  
 Sample ID: SB02 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 10:45  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	< 0.100	mg/l	5.0	98		7/11/02	6010B
Barium	1.53	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.8	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0588	mg/l	200	55		7/16/02	8270
1,4-Dichlorobenzene	< 0.0118	mg/l	7.5	56		7/16/02	8270
2,4-Dinitrotoluene	< 0.0118	mg/l	0.13	72		7/16/02	8270
Hexachlorobenzene	< 0.0118	mg/l	0.13	58		7/16/02	8270
Hexchlor-1,3-butadien	< 0.0118	mg/l	0.5	52		7/16/02	8270
Hexachloroethane	< 0.0118	mg/l	3.0	54		7/16/02	8270
Nitrobenzene	< 0.0118	mg/l	2.0	68		7/16/02	8270
Pentachlorophenol	< 0.0588	mg/l	100	74		7/16/02	8270

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A105536  
 Sample ID: SB02 0-1  
 Project:  
 Page 2

**TCLP Results**

Analyte	result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0118	mg/l	5.0	36		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0588	mg/l	400	76		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0588	mg/l	2.0	74		7/16/02	8270
Chlordane	< 0.00250	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	0.0150	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00250	mg/l	0.008	79		7/10/02	8081A
Lindane	0.0750	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00250	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0500	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00250	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace, Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	340. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	73. - 133.
VOA Surr Toluene-d8	97.	80. - 121.
VOA Surr, 4-BPB	88.	80. - 128.
BNA Surr-Nitrobenzene-d5	72.	40. - 127.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A105536  
 Sample ID: SB02 0-1  
 Project:  
 Page 3

Surrogate	% Recovery	Target Range
BNA Surr-2-Fluorobiphenyl	66.	42. - 113.
BNA Surr-Terphenyl-d14	74.	41. - 129.
BNA Surr-Phenol-d5	36.	1. - 75.
BNA Surr-2-Fluorophenol	52.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	76.	35. - 174.
pest surr-TCMX	46.	33. - 127.
surr-Dibutylchlorodate	52.	1. - 151.
surr-DCAA	86.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

nd of Sample Report.

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## ANALYTICAL REPORT

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

Lab Number: 02-A105537  
 Sample ID: SB02 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 11:10  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	< 0.100	mg/l	5.0	98		7/11/02	6010B
Barium	1.64	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	0.0600	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	59		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	52		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	73		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	60		7/16/02	8270
Hexchlor-1,3-butadien	< 0.0100	mg/l	0.5	44		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	48		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	66		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	74		7/16/02	8270

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A105537  
 Sample ID: SB02 1-2  
 Project:  
 Page 2

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	44		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	78		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	76		7/16/02	8270
Chlordane	< 0.00250	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	0.0150	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00250	mg/l	0.008	79		7/10/02	8081A
Lindane	0.0550	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00250	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0500	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00250	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
zero Headspace Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ul	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	73. - 133.
VOA Surr Toluene-d8	95.	80. - 121.
VOA Surr, 4-BFB	85.	80. - 128.
BNA Surr-Nitrobenzene-d5	68.	40. - 127.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A105537  
 Sample ID: SB02 1-2  
 Project:  
 Page 3

Surrogate	% Recovery	Target Range
-----	-----	-----
BNA Surr-2-Fluorobiphenyl	64.	42. - 113.
BNA Surr-Terphenyl-d14	74.	41. - 129.
BNA Surr-Phenol-d5	30.	1. - 75.
BNA Surr-2-Fluorophenol	46.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	80.	35. - 174.
pest surr-TOM	59.	33. - 127.
surr-Dibutylchloroendate	35.	1. - 151.
surr-DCAA	106.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

nd of Sample Report.



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## ANALYTICAL REPORT

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

Lab Number: 02-A105538  
 Sample ID: SB06 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 11:50  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	17.8	mg/l	5.0	98		7/11/02	6010B
Barium	< 1.00	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	60		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	56		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	74		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	58		7/16/02	8270
Hexachlor-1,3-butadien	< 0.0100	mg/l	0.5	52		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	52		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	74		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	64		7/16/02	8270

Sample report continued . . .

# Test America

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## ANALYTICAL REPORT

Laboratory Number: 02-A105538  
 Sample ID: SB06 0-1  
 Project:  
 Page 2

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	38		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	76		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	74		7/16/02	8270
Chlordane	< 0.00050	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	< 0.00050	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	0081A
Lindane	0.00100	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	2510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	73. - 133.
VOA Surr Toluene-d8	99.	80. - 121.
VOA Surr, 4-BFB	84.	80. - 128.
BNA Surr-Nitrobenzene-d5	74.	40. - 127.

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A105538  
 Sample ID: SB06 0-1  
 Project:  
 Page 3

Surrogate -----	% Recovery -----	Target Range -----
BNA Surr-2-Fluorobiphenyl	68.	42. - 113.
BNA Surr-Terphenyl-d14	78.	41. - 129.
BNA Surr-Phenol-d5	34.	1. - 75.
BNA Surr-2-Fluorophenol	48.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	80.	35. - 174.
pest surr-TCMX	42.	33. - 127.
surr-Dibutylchlorendate	46.	1. - 151.
surr-DCAA	119.	61. - 159.

**LABORATORY COMMENTS:**

- ND - Not detected at the report limit.
- 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

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

Lab Number: 02-A105539  
 Sample ID: SB06 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 12:35  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	1.98	mg/l	5.0	98		7/11/02	6010B
Barium	< 1.00	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	55		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	56		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	72		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	58		7/16/02	8270
Hexachlor-1,3-butadien	< 0.0100	mg/l	0.5	52		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	54		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	68		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	74		7/16/02	8270

Sample report continued . . .

# Test America

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## ANALYTICAL REPORT

Laboratory Number: 02-A105539  
 Sample ID: SB06 1-2  
 Project:  
 Page 2

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	36		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	76		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	74		7/16/02	8270
Chlordane	< 0.00050	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	< 0.00050	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	8081A
Lindane	< 0.00050	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	92.	80. - 121.
VOA Surr, 4-BFB	84.	80. - 128.
BNA Surr-Nitrobenzene-d5	64.	40. - 127.

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A105539  
 Sample ID: SB06 1-2  
 Project:  
 Page 3

Surrogate	% Recovery	Target Range
-----	-----	-----
MNA Surr-2-Fluorobiphenyl	58.	42. - 113.
BNA Surr-Terphenyl-d14	74.	41. - 129.
BNA Surr-Phenol-d5	30.	1. - 75.
BNA Surr-2-Fluorophenol	46.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	74.	35. - 174.
pest surr-TCMX	70.	33. - 127.
surr-Dibutylchlorodate	42.	1. - 151.
surr-DCAA	100.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

nd 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-A105540  
 Sample ID: SB01 0-1  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 13:00  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	< 0.100	mg/l	5.0	98		7/11/02	6010B
Barium	1.04	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	0.0500	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	6.8	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	59		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	52		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	72		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	60		7/16/02	8270
Hexchlor-1,3-butadien	< 0.0100	mg/l	0.5	44		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	48		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	66		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	74		7/16/02	8270

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A105540  
 Sample ID: SB01 0-1  
 Project:  
 Page 2

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	44		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	78		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	76		7/16/02	8270
Chlordane	< 0.00050	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	0.0150	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00050	mg/l	0.008	79		7/10/02	8081A
Lindane	0.00600	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00050	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0100	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00050	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	93.	80. - 121.
VOA Surr, 4-BPB	83.	80. - 128.
BNA Surr-Nitrobenzene-d5	74.	40. - 127.

Sample report continued . . .



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## ANALYTICAL REPORT

Laboratory Number: 02-A105540

Sample ID: SB01 0-1

Project:

Page 3

Surrogate	% Recovery	Target Range
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BNA Surr-2-Fluorobiphenyl	68.	42. - 113.
BNA Surr-Terphenyl-d14	80.	41. - 129.
BNA Surr-Phenol-d5	34.	1. - 75.
BNA Surr-2-Fluorophenol	48.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	82.	35. - 174.
pest surr-TOMX	48.	33. - 127.
surr-Dibutylchlorodate	56.	1. - 151.
surr-DCAA	106.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

id of Sample Report.

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## ANALYTICAL REPORT

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

Lab Number: 02-A105541  
 Sample ID: SB01 1-2  
 Sample Type: Soil  
 Site ID: MS

Project:  
 Project Name: RED PANTHER  
 Sampler: BRENT JACOBS

Date Collected: 6/25/02  
 Time Collected: 13:25  
 Date Received: 6/27/02  
 Time Received: 9:30  
 Page: 1

### TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Arsenic	< 0.100	mg/l	5.0	98		7/11/02	6010B
Barium	1.19	mg/l	100	98		7/11/02	6010B
Cadmium	< 0.100	mg/l	1.0	96		7/11/02	6010B
Chromium	< 0.500	mg/l	5.0	92		7/11/02	6010B
Lead	< 0.500	mg/l	5.0	96		7/11/02	6010B
Mercury	< 0.0100	mg/l	0.2	101		7/11/02	7470A
Selenium	< 0.100	mg/l	1.0	105		7/11/02	6010B
Silver	< 0.100	mg/l	5.0	99		7/11/02	6010B
Benzene	< 0.0200	mg/l	0.5	108		7/10/02	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	100		7/10/02	8260
Chlorobenzene	< 0.0200	mg/l	100	104		7/10/02	8260
Chloroform	< 0.0200	mg/l	6.0	110		7/10/02	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	108		7/10/02	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	108		7/10/02	8260
Methylethylketone	< 0.100	mg/l	200	88		7/10/02	8260
Tetrachloroethene	0.0400	mg/l	0.7	108		7/10/02	8260
Trichloroethene	< 0.0200	mg/l	0.5	104		7/10/02	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	108		7/10/02	8260
Cresols	< 0.0100	mg/l	200	60		7/16/02	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	56		7/16/02	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	74		7/16/02	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	58		7/16/02	8270
Hexachlor-1,3-butadien	< 0.0100	mg/l	0.5	52		7/16/02	8270
Hexachloroethane	< 0.0100	mg/l	3.0	52		7/16/02	8270
Nitrobenzene	< 0.0100	mg/l	2.0	74		7/16/02	8270
Pentachlorophenol	< 0.0100	mg/l	100	64		7/16/02	8270

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105541  
 Sample ID: SB01 1-2  
 Project:  
 Page 2

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Method
				Recovery (%)			
Pyridine	< 0.0100	mg/l	5.0	38		7/16/02	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	76		7/16/02	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	74		7/16/02	8270
Chlordane	< 0.00250	mg/l	0.030	96		7/10/02	8081A
2,4-D	< 0.100	mg/l	10.0	96		7/12/02	8151A
Endrin	0.0200	mg/l	0.02	85		7/10/02	8081A
Heptachlor	< 0.00250	mg/l	0.008	79		7/10/02	8081A
Lindane	0.0450	mg/l	0.4	75		7/10/02	8081A
Methoxychlor	< 0.00250	mg/l	10.0	78		7/10/02	8081A
Toxaphene	< 0.0500	mg/l	0.50	98		7/10/02	8081A
Silvex	< 0.0100	mg/l	1.0	77		7/12/02	8151A
Heptachlor epoxide	< 0.00250	mg/l	0.008	75		7/10/02	8081A
TCLP Extraction	Initiated					7/ 9/02	1311
Zero Headspace Extraction	Initiated					7/ 9/02	1311

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Herbicides	5.0 ml	5.00 ml	7/10/02		M. Cauthen	3510
TCLP Pesticides	100. ml	10.0 ml	7/10/02		M. Ricke	3510
TCLP BNA's	500. ml	1.0 ml	7/11/02		M. Cauthen	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	93.	80. - 121.
VOA Surr, 4-BFB	89.	80. - 128.
BNA Surr-Nitrobenzene-d5	72.	40. - 127.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A105541  
 Sample ID: SB01 1-2  
 Project:  
 Page 3

Surrogate	% Recovery	Target Range
BNA Surr-2-Fluorobiphenyl	66.	42. - 113.
BNA Surr-Terphenyl-d14	82.	41. - 129.
BNA Surr-Phenol-d5	32.	1. - 75.
BNA Surr-2-Fluorophenol	46.	3. - 97.
BNA Surr-2,4,6-Tribromophenol	84.	35. - 174.
pest surr-TCMX	39.	33. - 127.
surr-Dibutylchlorendate	48.	1. - 151.
surr-DCAA	132.	61. - 159.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- 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.

d of Sample Report.



**Appendix C**

**Nonhazardous Waste Profile Application**

02/04/2003 12:36 16523630178

THE TUNICA LANDFILL

PAGE 02

Nov 11 02 10:50a John Fanning

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p. 1

10/17/2002 13:39 16523630178

THE TUNICA LANDFILL

PAGE 02



GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File?  YES  NO
Hazardous  Non-Hazardous  TSCA

Profile Number: WM CU 4849
Renewal Date: 02/28/03

A. Waste Generator Information

1. Generator Name: Red Panther P&P Group
2. SIC Code:
3. Facility Street Address: 550 Patton Street
4. Phone:
5. Facility City: Clarkdale
6. State/Province: Mississippi
7. Zip/Postal Code: 38614
8. Generator USEPA/Federal ID #: NA
9. County: Leflore
10. State/Province ID #:
11. Customer Name: HEPACO
12. Customer Phone: (901) 345 6333
13. Customer Contact: David Moore
14. Customer Fax: 901 353 5982
15. Billing Address: 4000 N Watkins Memphis TN

B. Waste Stream Information

1. Description
a. Name of Waste: Contaminated Soil with Debris
b. Process Generating Waste: Runoff from pesticide facility

Table with 5 columns: c. Color, d. Strong odor, e. Physical state @ 70°F, f. Layers, g. Free liquid range. Includes handwritten entries like 'Brown to Grey Black', 'mild earthy odor', 'Solid', 'Single Layer', and '5 to 8 %'.

l. Liquid Flash Point: Not applicable
j. Chemical Composition (List all constituents including halogenated organics, PCBs, and UHC's)

Table with 4 columns: Constituents, Concentration Range, Constituents, Concentration Range. Includes handwritten entries like 'Soil' (24-95%), 'Debris (concrete, boards, plastic, metal, cardboard, asphalt)', and 'Pesticides' (25%).

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. Oxidizer, Carcinogen, Pyrophoric, Infectious, Explosive, Shock Sensitive, Radioactive, Water Reactive
l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification?
m. Does the waste represented by this profile contain dioxins?
n. Does the waste represented by this profile contain asbestos?
o. Does the waste represented by this profile contain benzene?
p. Is the waste subject to RCRA Subpart CC controls?
q. Does the waste contain any Class I or Class II ozone-depleting substances?
r. Does the waste contain debris?

2. Quantity of Waste
Estimated Annual Volume: 4000 Tons

3. Shipping Information
a. Packaging: Bulk Solid; Type/Size: End Uses or Reusable
b. Shipping Frequency: Units Per Month
c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material?

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THE TUNICA LANDFILL

PAGE 03

Nov 11 02:10:50a John Fanning

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P. 2

18/17/2002 17:29 16623630170

THE TUNICA LANDFILL

PAGE 03



GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

- d. Reportable Quantity (lbs.; kgs.): N/A
- e. Hazard Class/ID #: \_\_\_\_\_
- f. USDOJ Shipping Name: \_\_\_\_\_
- g. Personal Protective Equipment Requirements: Level "D"
- h. Transporter/Transfer Station: HEPACO

C. Generator's Certification. (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2.  YES  NO
  - a. If yes, identify ALL USEPA listed and universal waste code numbers (D, F, K, P, U) \_\_\_\_\_
  - b. If a characteristic hazardous waste, do underlying hazardous constituents (UICs) apply? (If yes, list in Section B.1.f.)  YES  NO
  - c. Does this waste contain solvent? (If yes, list size and type in Chemical Composition - B.1.)  YES  NO
2. Is this a state hazardous waste? Identify ALL state hazardous waste codes \_\_\_\_\_  YES  NO
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? If yes, attach Record of Decision (ROD), 104/108 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.  YES  NO
4. Does the waste represented by this waste profile sheet contain radioactive material, or is it disposed regulated by the Nuclear Regulatory Commission?  YES  NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.f.)  YES  NO
  - a. If yes, were the PCBs imported into the U.S.?  YES  NO
6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?  YES  NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?  YES  NO

Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of identification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Benita Jacobs Title: Project Coordinator  
 Name (Type or Print): Benita Jacobs Company Name: URS Corporation Date: 10/18/02

Check if additional information is attached. Indicate the number of attached pages 105

**D. WM Management's Decision** FOR WM USE ONLY

1. Management Method:  Landfill  Non-hazardous Solidification  Bioremediation  Incineration  
 Hazardous Stabilization  Other (Specify) \_\_\_\_\_
2. Proposed Ultimate Management Facility: THE TUNICA LF
3. Provisions, Special Handling Procedures, or Limitation on Approval: NO FREE LIQUIDS APPROVED. (2) SBO1 IS NOT APPROVED UNDER THIS PROFILE.
4. Waste Form \_\_\_\_\_ 5. Source \_\_\_\_\_ 6. System Type \_\_\_\_\_

Special Waste Decision:  Approved  Disapproved  
 Salesperson's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Division Approval Signature (Optional): \_\_\_\_\_ Date: \_\_\_\_\_  
 Special Waste Approvals Person Signature: \_\_\_\_\_ Date: 11/11/02





**Appendix D**

**Stockpile TCLP Analytical Data**

# TestAmerica

TESTAMERICA, INC.  
ATLANTA SERVICE CENTER

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: on file  
 City/State/Zip Code: Brent Jacobs  
 Project Manager: Brent Jacobs  
 Telephone Number: (678) 354-8205 Fax: (678) 354-0055  
 Sampler Name: (Print Name) Steven Suster / Rachel Atken  
 Sampler Signature: Rachel Atken

Project Name: Red Panther  
 Project #: 37778-010-1003  
 Site/location ID: Red Panther State: MS  
 Report To: Brent Jacobs  
 Invoice To: A  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT	Standard	Date Needed:	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers	Analyze For	QC Deliverables
<input checked="" type="checkbox"/>	Rush (surcharges may apply)	<u>11-19-02</u>								None
	48-hour									Level 2
										(batch QC)
										Level 3
										Level 4
										Other: _____

Sample ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers	Analyze For	QC Deliverables
D1-1'-2'	11-14-02	1440	C		S		TCLP - Pesticides TCLP - Volatiles Hold extract for future analysis	* Contact Steve Suster (404) 822-8463 w/ ANY QUESTIONS
D4-0'-2'	11-14-02	1445	C		S			

Special Instructions: 48-hour TAT  
Fed Ex 838191165900

Special Instructions: 48-hour TAT  
Fed Ex 838191165900

Results to Bert Cole 920-968-6940

Reinquinished By:	Date:	Time:	Received By:	Date:	Time:
<u>Rachel Atken</u>	<u>11/14/02</u>	<u>1600</u>	<u>[Signature]</u>	<u>11/15/02</u>	<u>900</u>

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

# TestAmerica

INCORPORATED

11/21/02

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

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 37778-010-1003 RED PANTHER. The Laboratory Project number is 309365.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1
		Collection Date
-----	-----	-----
D1-1-2	02-A187919	11/14/02
D4-0-2	02-A187920	11/14/02

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste effective 09/30/99-12/31/03.  
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/03.

These results relate only to the items tested.  
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Rexanne L Connor Report Date: 11/21/02

Paul E. Lane, Jr., Lab Director  
Michael H. Dunn, M.S., Technical Director  
Johnny A. Mitchell, Dir. Technical Serv.  
Eric S. Smith, Assistant Technical Director  
Roxanne L. Connor, Technical Services

Gail A. Lage, Technical Serv.  
Glenn L. Norton, Technical Serv.  
Kelly S. Comstock, Technical Serv.  
Pamela A. Langford, Technical Serv.

## ANALYTICAL REPORT

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

Lab Number: 02-A187919  
 Sample ID: D1-1-2  
 Sample Type: Solid waste  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S.SUSTEN/R.AITKEN

Date Collected: 11/14/02  
 Time Collected: 14:40  
 Date Received: 11/15/02  
 Time Received: 9:00  
 Page: 1

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Time	Analyst	Method	QC Batch
				Recovery (%)						
Chlordane	< 0.0025	mg/l	0.030	114		11/18/02	19:28	Carmichael	8081A	4616
Endrin	0.0150	mg/l	0.02	136		11/18/02	19:28	Carmichael	8081A	4616
Heptachlor	< 0.0025	mg/l	0.008	121		11/18/02	19:28	Carmichael	8081A	4616
Lindane	0.0350	mg/l	0.4	126		11/18/02	19:28	Carmichael	8081A	4616
Methoxychlor	< 0.0025	mg/l	10.0	158		11/18/02	19:28	Carmichael	8081A	4616
Toxaphene	0.550	mg/l	0.50	120		11/18/02	19:28	Carmichael	8081A	4616
Heptachlor epoxide	< 0.0025	mg/l	0.008	122		11/18/02	19:28	Carmichael	8081A	4616
TCLP Extraction	Initiated					11/15/02	15:30	B. Powell	1311	2313

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TCLP Pesticides	100. ml	10.0 ml	11/18/02		M. Lax	3510

Surrogate	% Recovery	Target Range
pest surr-TCMX	70.	33. - 127.
surr-Dibutylchloroendate	40.	1. - 151.

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A187919  
Sample ID: D1-1-2  
Project: 37778-010-1003  
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 results reported on a wet weight basis.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A187920  
 Sample ID: D4-0-2  
 Sample Type: Solid waste  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S.SUSTEN/R.AITKEN

Date Collected: 11/14/02  
 Time Collected: 14:45  
 Date Received: 11/15/02  
 Time Received: 9:00  
 Page: 1

**TCLP Results**

Analyte	Result	Units	Reg Limit	Matrix Spike		Date	Time	Analyst	Method	QC Batch
				Recovery (%)						
Benzene	< 0.0200	mg/l	0.5	102		11/17/02	23:33	J.Haley	8260	3762
Carbon tetrachloride	< 0.0200	mg/l	0.5	125		11/17/02	23:33	J.Haley	8260	3762
Chlorobenzene	< 0.0200	mg/l	100	101		11/17/02	23:33	J.Haley	8260	3762
Chloroform	< 0.0200	mg/l	6.0	102		11/17/02	23:33	J.Haley	8260	3762
1,2-Dichloroethane	< 0.0200	mg/l	0.5	96		11/17/02	23:33	J.Haley	8260	3762
1,1-Dichloroethene	< 0.0200	mg/l	0.7	96		11/17/02	23:33	J.Haley	8260	3762
Methylethylketone	< 0.100	mg/l	200	103		11/17/02	23:33	J.Haley	8260	3762
Tetrachloroethene	< 0.0200	mg/l	0.7	97		11/17/02	23:33	J.Haley	8260	3762
Trichloroethene	< 0.0200	mg/l	0.5	1030		11/17/02	23:33	J.Haley	8260	3762
Vinyl Chloride	< 0.0200	mg/l	0.2	103		11/17/02	23:33	J.Haley	8260	3762
Zero Headspace Extraction	Initiated					11/15/02	15:30	B. Powell	1311	2313

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	101.	80. - 128.

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A187920  
Sample ID: D4-0-2  
Project: 37778-010-1003  
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 results reported on a wet weight basis.

End of Sample Report.



**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 1**  
**Laboratory Receipt Date: 11/15/02**

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sa
<b>**VOA PARAMETERS**</b>								
Benzene	mg/l	< 0.0200	0.510	0.500	102	78. - 132.	3762	02-A187
Carbon tetrachloride	mg/l	< 0.0200	0.620	0.500	124	64. - 146.	3762	02-A187
Chlorobenzene	mg/l	< 0.0200	0.510	0.500	102	79. - 124.	3762	02-A187
Chloroform	mg/l	< 0.0200	0.510	0.500	102	73. - 133.	3762	02-A187
1,2-Dichloroethane	mg/l	< 0.0200	0.480	0.500	96	70. - 140.	3762	02-A187
1,1-Dichloroethene	mg/l	< 0.0200	0.480	0.500	96	68. - 141.	3762	02-A187
Methylethylketone	mg/l	< 0.100	2.58	2.50	103	69. - 142.	3762	02-A187
Tetrachloroethene	mg/l	< 0.0200	0.480	0.500	96	72. - 136.	3762	02-A187
Trichloroethene	mg/l	< 0.0200	0.510	0.500	102	73. - 137.	3762	02-A187
Vinyl Chloride	mg/l	< 0.0200	0.510	0.500	102	52. - 156.	3762	02-A187

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike S
<b>**PEST/PCB/HERB PARAMETERS**</b>								
Endrin	mg/l	< 0.00050	0.0138	0.0100	138	38. - 182.	4616	blank
Endrin	mg/l	< 0.00050	0.0142	0.0100	142	38. - 182.	4616	blank
Heptachlor	mg/l	< 0.00050	0.0126	0.0100	126	46. - 138.	4616	blank
Heptachlor	mg/l	< 0.00050	0.0128	0.0100	128	46. - 138.	4616	blank
Lindane	mg/l	< 0.00050	0.0126	0.0100	126	51. - 131.	4616	blank
Lindane	mg/l	< 0.00050	0.0133	0.0100	133#	51. - 131.	4616	blank
Methoxychlor	mg/l	< 0.00050	0.0157	0.0100	157	42. - 170.	4616	blank
Methoxychlor	mg/l	< 0.00050	0.0171	0.0100	171#	42. - 170.	4616	blank

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 2**  
**Laboratory Receipt Date: 11/15/02**

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
**VOA PARAMETERS**						
Benzene	mg/l	0.510	0.500	1.98	15.	3762
Carbon tetrachloride	mg/l	0.620	0.600	3.28	21.	3762
Chlorobenzene	mg/l	0.510	0.490	4.00	16.	3762
Chloroform	mg/l	0.510	0.510	0.00	20.	3762
1,2-Dichloroethane	mg/l	0.480	0.490	2.06	16.	3762
1,1-Dichloroethene	mg/l	0.480	0.470	2.11	19.	3762
Methylethylketone	mg/l	2.58	2.79	7.82	21.	3762
Tetrachloroethene	mg/l	0.480	0.460	4.26	23.	3762
Trichloroethene	mg/l	0.510	0.500	1.98	20.	3762
Vinyl Chloride	mg/l	0.510	0.500	1.98	28.	3762

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
**PEST/PCB/HERB PARAMETERS**						
Endrin	mg/l	0.0138	0.0142	2.86	29.	4616
Heptachlor	mg/l	0.0126	0.0128	1.57	36.	4616
Lindane	mg/l	0.0126	0.0133	5.41	42.	4616
Methoxychlor	mg/l	0.0157	0.0171	8.54	37.	4616

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**VOA PARAMETERS**						
Benzene	mg/l	0.0500	0.0480	96	78 - 127	3762

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 3**  
**Laboratory Receipt Date: 11/15/02**

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Carbon tetrachloride	mg/l	0.0500	0.0590	118	69 - 132	3762
Chlorobenzene	mg/l	0.0500	0.0510	102	81 - 120	3762
Chloroform	mg/l	0.0500	0.0500	100	77 - 125	3762
1,2-Dichloroethane	mg/l	0.0500	0.0500	100	71 - 135	3762
1,1-Dichloroethene	mg/l	0.0500	0.0430	86	72 - 128	3762
Methylethylketone	mg/l	0.250	0.256	102	75 - 140	3762
Tetrachloroethene	mg/l	0.0500	0.0480	96	76 - 123	3762
Trichloroethene	mg/l	0.0500	0.0490	98	78 - 125	3762
Vinyl Chloride	mg/l	0.0500	0.0450	90	61 - 140	3762

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**PEST/PCB/HERB PARAMETERS**						
Chlordane	mg/l	0.0500	0.0574	115	46 - 152	4616
Endrin	mg/l	0.0100	0.0136	136	50 - 170	4616
Heptachlor	mg/l	0.0100	0.0121	121	59 - 128	4616
Lindane	mg/l	0.0100	0.0126	126 #	61 - 121	4616
Methoxychlor	mg/l	0.0100	0.0158	158	42 - 169	4616
Toxaphene	mg/l	0.100	0.120	120	44 - 159	4616

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
**VOA PARAMETERS**					
Benzene	< 0.00200	mg/l	3762	11/17/02	23:33
Carbon tetrachloride	< 0.00200	mg/l	3762	11/17/02	23:33
Chlorobenzene	< 0.00200	mg/l	3762	11/17/02	23:33

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 4**  
**Laboratory Receipt Date: 11/15/02**

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Chloroform	0.00400	mg/l	3762	11/17/02	23:33
1,2-Dichloroethane	< 0.00200	mg/l	3762	11/17/02	23:33
1,1-Dichloroethene	< 0.00200	mg/l	3762	11/17/02	23:33
Methylethylketone	< 0.0100	mg/l	3762	11/17/02	23:33
Tetrachloroethene	< 0.00200	mg/l	3762	11/17/02	23:33
Trichloroethene	< 0.00200	mg/l	3762	11/17/02	23:33
Vinyl Chloride	< 0.00200	mg/l	3762	11/17/02	23:33
VOA Surr 1,2-DCA-d4	100.	† Rec	3762	11/17/02	23:33
VOA Surr Toluene-d8	100.	† Rec	3762	11/17/02	23:33
VOA Surr, 4-BFB	99.	† Rec	3762	11/17/02	23:33

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
**PEST/PCB/HERB PARAMETERS**					
Chlordane	< 0.00050	mg/l	4616	11/18/02	19:28
Endrin	< 0.00050	mg/l	4616	11/18/02	19:28
Heptachlor	< 0.00050	mg/l	4616	11/18/02	19:28
Lindane	< 0.00050	mg/l	4616	11/18/02	19:28
Methoxychlor	< 0.00050	mg/l	4616	11/18/02	19:28
Toxaphene	< 0.0100	mg/l	4616	11/18/02	19:28
pest surr-TCM	48.	† Rec	4616	11/18/02	19:28
surr-Dibutylchloroendate	62.	† Rec	4616	11/18/02	19:28

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 309365



**Appendix E**

**Ditch Confirmation Sample Analytical Data**

# TestAmerica

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TESTAMERICA, INC.  
ATLANTA SERVICE CENTER

30151

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:

DAV-FITE

Project Name:

RED PANTHER

City/State/Zip Code:

37778-010-1003

Project Manager:

BRENT JACOBS

Site/Location ID: RED PANTHER, State MS

Telephone Number:

(678) 356-8265 Fax (678) 356-0055

Sampler Name: (Print Name)

STEVEN SUSTEN

Report To:

BRENT JACOBS

Invoice To:

M

Sampler Signature:

*[Signature]*

Quote #:

PO#:

TAT Standard <input checked="" type="checkbox"/> Rush (surcharges may apply)	Date Needed: 11-15-02	Date Sampled	Time Sampled	Field Filtered	Matrix Preservation & # of Containers							Analyze For:	QC Deliverables	REMARKS
					SL - Sludge DW - Drinking Water	GW - Groundwater S - Solid/Solid	MW - Wastewater Specify Other	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>			
D2-C1	11-13-02	1100	G										186884	* Content
D2-C2	11-13-02	1110	G										885	SIGMA
D2-C3	11-13-02	1400	C										886	SUSTEN
D2-C4	11-13-02	1410	C										887	(404) 822-8483 w/ Andy Quitting

Special Instructions: \* 24-hour TAT \* FAX TRANSLIST BEAT COLE @ (920) 968-6940

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:

# Test America

INCORPORATED

11/19/02

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

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 37778-010-1003 RED PANTHER. The Laboratory Project number is 309151.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1
		Collection Date
-----	-----	-----
D2-C1	02-A186884	11/13/02
D2-C2	02-A186885	11/13/02
D2-C3	02-A186886	11/13/02
D2-C4	02-A186887	11/13/02

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste effective 09/30/99-12/31/03.  
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/03.

These results relate only to the items tested.  
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Roxanne L. Connor

Report Date: 11/19/02

Paul E. Lane, Jr., Lab Director  
Michael H. Dunn, M.S., Technical Director  
Johnny A. Mitchell, Dir. Technical Serv.  
Eric S. Smith, Assistant Technical Director  
Roxanne L. Connor, Technical Services

Gail A. Lage, Technical Serv.  
Glenn L. Norton, Technical Serv.  
Kelly S. Comstock, Technical Serv.  
Pamela A. Langford, Technical Serv.



## ANALYTICAL REPORT

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

Lab Number: 02-A186884  
 Sample ID: D2-C1  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 11/13/02  
 Time Collected: 11:00  
 Date Received: 11/14/02  
 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	73.3	mg/kg	6.66	2000	11/19/02	9:02	D. Desouza	8081A	2159
Toxaphene	509.	mg/kg	83.2	500	11/19/02	9:02	D. Desouza	8081A	2159
<b>*METALS*</b>									
Arsenic	31.9	mg/kg	1.01	1	11/14/02	9:43	C. Martin	6010B	1053

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	11/14/02		M. Ricke	3550

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A186884  
Sample ID: D2-C1  
Project: 37778-010-1003  
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 results reported on a wet weight basis.  
Pesticide surrogate diluted below detectable levels due to  
sample matrix.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A186885  
 Sample ID: D2-C2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 11/13/02  
 Time Collected: 11:10  
 Date Received: 11/14/02  
 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	19.0	mg/kg	3.33	1000	11/19/02	7:37	D. Desouza	8081A	2159
Toxaphene	209.	mg/kg	33.3	200	11/19/02	7:37	D. Desouza	8081A	2159
<b>*METALS*</b>									
Arsenic	119.	mg/kg	0.98	1	11/14/02	9:43	C. Martin	6010B	1053

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	11/14/02		M. Ricke	3550

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A186885  
Sample ID: D2-C2  
Project: 37778-010-1003  
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 results reported on a wet weight basis.  
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-A186886  
 Sample ID: D2-C3  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 11/13/02  
 Time Collected: 14:00  
 Date Received: 11/14/02  
 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	91.9	mg/kg	6.66	2000	11/19/02	8:06	D. Desouza	8081A	2159
Toxaphene	1280	mg/kg	166.	1000	11/19/02	8:06	D. Desouza	8081A	2159
<b>*METALS*</b>									
Arsenic	34.7	mg/kg	0.96	1	11/14/02	9:43	C. Martin	6010B	1053

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	11/14/02		M. Ricke	3550

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A186886  
Sample ID: D2-C3  
Project: 37778-010-1003  
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 results reported on a wet weight basis.  
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-A186887  
 Sample ID: D2-C4  
 Sample Type: Soil  
 Site ID:

Date Collected: 11/13/02  
 Time Collected: 14:10  
 Date Received: 11/14/02  
 Time Received: 9:00  
 Page: 1

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	117.	mg/kg	16.6	5000	11/19/02	8:34	D. Desouza	8081A	2159
Toxaphene	1680	mg/kg	333.	2000	11/19/02	8:34	D. Desouza	8081A	2159
*METALS*									
Arsenic	82.3	mg/kg	0.98	1	11/14/02	9:43	C. Martin	6010B	1053

### Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.0 gm	10.0 ml	11/14/02		M. Ricke	3550

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A186887  
Sample ID: D2-C4  
Project: 37778-010-1003  
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 results reported on a wet weight basis.  
Pesticide surrogate diluted below detectable levels due to  
sample matrix.

End of Sample Report.



**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 1**  
**Laboratory Receipt Date: 11/14/02**

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Samp.
---------	-------	------------	--------	------------	----------	--------------	------------	-------------

**\*\*METALS\*\***

Arsenic	mg/kg	1.57	18.0	20.0	82	80 - 120	1053	Duplicate
---------	-------	------	------	------	----	----------	------	-----------

**Matrix Spike Duplicate**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
---------	-------	------------	-----------	-----	-------	------------

**\*\*METALS\*\***

Arsenic	mg/kg	18.0	17.9	0.56	20	1053
---------	-------	------	------	------	----	------

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
---------	-------	------------	--------------	------------	--------------	------------

**\*\*PEST/PCB/HERB PARAMETERS\*\***

Dieldrin	mg/kg	0.0167	0.0153	92	64 - 146	2159
Toxaphene	mg/kg	0.333	0.340	102	64 - 154	2159

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
---------	-------	------------	--------------	------------	--------------	------------

**\*\*METALS\*\***

Arsenic	mg/kg	20.0	18.0	90	80 - 120	1053
---------	-------	------	------	----	----------	------

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 2**  
**Laboratory Receipt Date: 11/14/02**

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----						
**METALS**						

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----					
**PEST/PCB/HERB PARAMETERS**					
Dieldrin	< 0.0033	mg/kg	2159	11/19/02	7:37
Toxaphene	< 0.166	mg/kg	2159	11/19/02	7:37

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----					
**METALS**					
Arsenic	< 0.88	mg/kg	1053	11/14/02	9:43

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 309151



# TestAmerica

INCORPORATED

TESTAMERICA, INC.  
ATLANTA SERVICE CENTER

3093336  
681

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: ON FILE

City/State/Zip Code: \_\_\_\_\_

Project Manager: Brent Jacobs

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

Sampler Name: (Print Name) Steven Susten / Rachel Aitken

Sampler Signature: Rachel Aitken

Project Name: Red Panther

Project #: 37778-010-1003

Site/Location ID: Red Panther State: MS

Report To: Brent Jacobs

Invoice To: 1

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

TAT Standard <input checked="" type="checkbox"/> Rush (surcharges may apply)	Date Needed: <u>11-18-02</u>	Fax Results: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BERT Cole (920) 968-6940	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix Preservation & # of Containers					Analyze For:	QC Deliverables	REMARKS
									SL - Sludge DW - Drinking Water	GW - Groundwater S - Soil/Sediment	WW - Wastewater Specify Other	HNO <sub>3</sub>	HCl			
				D4-C1	11-14-02	1140	C							187	842	
				D4-C2	11-14-02	1145	C							43		
				D4-C3	11-14-02	1155	C							44		
				D1-C1	11-14-02	1100	C							45		
				D1-C2	11-14-02	1110	C							46		
				D3-C2	11-14-02	1405	C							47		
				D3-C1	11-14-02	1415	C							48		
				DUP-01	11-14-02	900	C							49		
				EQB-01*	11-14-02	1400	W							1878	49	

Matrix Preservation & # of Containers

Analyze For:

QC Deliverables

REMARKS

None

Level 2

(Batch QC)

Level 3

Level 4

Other: \_\_\_\_\_

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

\* 24-hour TAT 11/23  
\* Standard turnaround for EQB-01  
\* FAX results to Bert Cole @ 920-968-6940 FedEx 83819116908

Received By: [Signature] Date: 11/15/02 Time: 9:00

Received By: [Signature] Date: 11/15/02 Time: 9:00

Received By: [Signature] Date: 11/15/02 Time: 9:00

# TestAmerica

INCORPORATED

11/20/02

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

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 37778-010-1003 RED PANTHER. The Laboratory Project number is 309336.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
D4-C1	02-A187842	11/14/02
D4-C2	02-A187843	11/14/02
D4-C3	02-A187844	11/14/02
D1-C1	02-A187845	11/14/02
D1-C2	02-A187846	11/14/02
D3-C2	02-A187847	11/14/02
D3-C1	02-A187848	11/14/02
DUP-01	02-A187849	11/14/02

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste effective 09/30/99-12/31/03.  
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/03.

# TestAmerica

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Sample Identification  
-----

Lab Number  
-----

Page 2  
Collection Date  
-----

These results relate only to the items tested.  
This report shall not be reproduced except in full and with  
permission of the laboratory.

Report Approved By:



Report Date: 11/20/02

Paul E. Lane, Jr., Lab Director  
Michael H. Dunn, M.S., Technical Director  
Johnny A. Mitchell, Dir. Technical Serv.  
Eric S. Smith, Assistant Technical Director  
Roxanne L. Connor, Technical Services

Gail A. Lage, Technical Serv.  
Glenn L. Norton, Technical Serv.  
Kelly S. Comstock, Technical Serv.  
Pamela A. Langford, Technical Serv.

## ANALYTICAL REPORT

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

Lab Number: 02-A187842  
 Sample ID: D4-C1  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S. SUSTEN/R. AITKEN

Date Collected: 11/14/02  
 Time Collected: 11:40  
 Date Received: 11/15/02  
 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	0.140	mg/kg	0.0333	10	11/19/02	19:21	D. Desouza	8081A	4819
Toxaphene	1.24	mg/kg	0.166	1	11/19/02	19:21	D. Desouza	8081A	4819
<b>*METALS*</b>									
Arsenic	59.9	mg/kg	0.97	1	11/18/02	21:09	G. McCord	6010B	2279

**Sample Extraction Data**

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.3 gm	10.0 ml	11/18/02		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 results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A187843  
 Sample ID: D4-C2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S. SUSTEN/R. AITKEN

Date Collected: 11/14/02  
 Time Collected: 11:45  
 Date Received: 11/15/02  
 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	0.0899	mg/kg	0.0333	10	11/19/02	19:50	D. Desouza	8081A	4819
Toxaphene	0.519	mg/kg	0.166	1	11/19/02	19:50	D. Desouza	8081A	4819
<b>*METALS*</b>									
Arsenic	24.4	mg/kg	1.00	1	11/18/02	21:09	G. McCord	6010B	2279

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	11/18/02		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 results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.



## ANALYTICAL REPORT

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

Lab Number: 02-A187844  
 Sample ID: D4-C3  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S. SUSTEN/R. AITKEN

Date Collected: 11/14/02  
 Time Collected: 11:55  
 Date Received: 11/15/02  
 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	0.103	mg/kg	0.0333	10	11/19/02	20:20	D. Desouza	8081A	4819
Toxaphene	0.609	mg/kg	0.166	1	11/19/02	20:20	D. Desouza	8081A	4819
<b>*METALS*</b>									
Arsenic	104.	mg/kg	1.01	1	11/18/02	10:50	G. McCord	6010B	2280

**Sample Extraction Data**

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.0 gm	10.0 ml	11/18/02		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 results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A187845  
 Sample ID: D1-C1  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S. SUSTEN/R. AITKEN

Date Collected: 11/14/02  
 Time Collected: 11:00  
 Date Received: 11/15/02  
 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	131.	mg/kg	13.3	4000	11/19/02	20:50	D. Desouza	8081A	4819
Toxaphene	1190	mg/kg	166.	1000	11/19/02	20:50	D. Desouza	8081A	4819
<b>*METALS*</b>									
Arsenic	109.	mg/kg	0.96	1	11/18/02	10:50	G. McCord	6010B	2280

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	11/18/02		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 results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A187846  
 Sample ID: D1-C2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S. SUSTEN/R. AITKEN

Date Collected: 11/14/02  
 Time Collected: 11:10  
 Date Received: 11/15/02  
 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	5.16	mg/kg	1.66	500	11/19/02	14:54	D. Desouza	8081A	4819
Toxaphene	243.	mg/kg	83.2	500	11/19/02	14:54	D. Desouza	8081A	4819
<b>*METALS*</b>									
Arsenic	47.3	mg/kg	0.97	1	11/18/02	10:50	G. McCord	6010B	2280

**Sample Extraction Data**

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.1 gm	10.0 ml	11/18/02		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 results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A187847  
 Sample ID: D3-C2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S. SUSTEN/R. AITKEN

Date Collected: 11/14/02  
 Time Collected: 14:05  
 Date Received: 11/15/02  
 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	0.716	mg/kg	0.166	50	11/19/02	21:49	D. Desouza	8081A	4819
Toxaphene	7.69	mg/kg	1.66	10	11/19/02	21:49	D. Desouza	8081A	4819
<b>*METALS*</b>									
Arsenic	206.	mg/kg	1.00	1	11/18/02	10:50	G. McCord	6010B	2280

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.8 gm	10.0 ml	11/18/02		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 results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A187848  
 Sample ID: D3-C1  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S. SUSTEN/R. AITKEN

Date Collected: 11/14/02  
 Time Collected: 14:15  
 Date Received: 11/15/02  
 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	0.433	mg/kg	0.166	50	11/19/02	22:18	D. Desouza	8081A	4819
Toxaphene	3.83	mg/kg	1.66	10	11/19/02	22:18	D. Desouza	8081A	4819
<b>*METALS*</b>									
Arsenic	183.	mg/kg	0.97	1	11/18/02	10:50	G. McCord	6010B	2280

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	11/18/02		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 results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A187849  
 Sample ID: DUP-01  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: S. SUSTEN/R. AITKEN

Date Collected: 11/14/02  
 Time Collected: 9:00  
 Date Received: 11/15/02  
 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	5.46	mg/kg	0.666	200	11/19/02	22:48	D. Desouza	8081A	4819
Toxaphene	262.	mg/kg	33.3	200	11/19/02	22:48	D. Desouza	8081A	4819
<b>*METALS*</b>									
Arsenic	51.3	mg/kg	0.96	1	11/18/02	10:50	G. McCord	6010B	2280

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	11/18/02		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 results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 1**  
**Laboratory Receipt Date: 11/15/02**

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sam
**METALS**								
Arsenic	mg/kg	< 0.95	18.7	20.0	94	80 - 120	2279	Duplicat
Arsenic	mg/kg	157.	179.	20.0	110	80 - 120	2280	Duplicat

**Matrix Spike Duplicate**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
**METALS**						
Arsenic	mg/kg	18.7	20.7	10.15	20	2279
Arsenic	mg/kg	179.	181.	1.11	20	2280

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**PEST/PCB/HERB PARAMETERS**						
Dieldrin	mg/kg	0.0167	0.0176	105	64 - 146	4819
Toxaphene	mg/kg	0.330	0.383	116	64 - 154	4819

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**METALS**						
Arsenic	mg/kg	20.0	17.8	89	80 - 120	2279

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 2**  
**Laboratory Receipt Date: 11/15/02**

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
Arsenic	mg/kg	20.0	17.4	87	80 - 120	2280

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----

\*\*METALS\*\*

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----

\*\*PEST/PCB/HERB PARAMETERS\*\*

Dieldrin	< 0.0033	mg/kg	4819	11/20/02	10:33
Toxaphene	< 0.166	mg/kg	4819	11/20/02	10:33

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----

\*\*METALS\*\*

Arsenic	< 0.88	mg/kg	2279	11/18/02	21:09
Arsenic	< 0.88	mg/kg	2280	11/18/02	10:50

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 309336







# Test America

INCORPORATED

11/21/02

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

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 37778-010-1003 RED PANTHER. The Laboratory Project number is 309826.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
D3-C3	02-A190135	11/18/02

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste effective 09/30/99-12/31/03.  
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/03.

These results relate only to the items tested.  
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Roxanne L Connor Report Date: 11/21/02

Paul E. Lane, Jr., Lab Director  
Michael H. Dunn, M.S., Technical Director  
Johnny A. Mitchell, Dir. Technical Serv.  
Eric S. Smith, Assistant Technical Director  
Roxanne L. Connor, Technical Services

Gail A. Lage, Technical Serv.  
Glenn L. Norton, Technical Serv.  
Kelly S. Comstock, Technical Serv.  
Pamela A. Langford, Technical Serv.

## ANALYTICAL REPORT

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

Lab Number: 02-A190135  
 Sample ID: D3-C3  
 Sample Type: Soil  
 Site ID: REDPANTHER

Project: 37778-010-1003  
 Project Name: RED PANTHER  
 Sampler: RACHEL AITKEN

Date Collected: 11/18/02  
 Time Collected: 15:45  
 Date Received: 11/19/02  
 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	0.0626	mg/kg	0.0067	2	11/21/02	14:46	D. Desouza	8081A	5838
Toxaphene	ND	mg/kg	0.166	1	11/21/02	14:46	D. Desouza	8081A	5838
<b>*METALS*</b>									
Arsenic	56.5	mg/kg	0.95	1	11/20/02	18:44	G. McCord	6010B	4917

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	11/19/02		M. Lax	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	140. #	48. - 132.
pest surr-DCB	128.	46. - 140.

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A190135  
Sample ID: D3-C3  
Project: 37778-010-1003  
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 results reported on a wet weight basis.

End of Sample Report.

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 1**  
**Laboratory Receipt Date: 11/19/02**

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Samp.
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**\*\*PEST/PCB/HERB PARAMETERS\*\***

Dieldrin	mg/kg	0.0626	0.0818	0.0167	115	42. - 164.	5838	02-A19013
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**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Samp.
---------	-------	------------	--------	------------	----------	--------------	------------	-------------

**\*\*METALS\*\***

Arsenic	mg/kg	< 0.96	19.9	20.0	100	80 - 120	4917	Duplicate
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**Matrix Spike Duplicate**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
---------	-------	------------	-----------	-----	-------	------------

**\*\*PEST/PCB/HERB PARAMETERS\*\***

Dieldrin	mg/kg	0.0818	0.0841	2.77	24.	5838
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**Matrix Spike Duplicate**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
---------	-------	------------	-----------	-----	-------	------------

**\*\*METALS\*\***

Arsenic	mg/kg	19.9	19.8	0.50	20	4917
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Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 2**  
**Laboratory Receipt Date: 11/19/02**

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**PEST/PCB/HERB PARAMETERS**						
Dieldrin	mg/kg	0.0167	0.0173	104	64 - 146	5838
Toxaphene	mg/kg	0.330	0.406	123	64 - 154	5838

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**METALS**						
Arsenic	mg/kg	20.0	19.4	97	80 - 120	4917

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**METALS**						

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
**PEST/PCB/HERB PARAMETERS**					
Dieldrin	< 0.0033	mg/kg	5838	11/20/02	5:43
Toxaphene	< 0.166	mg/kg	5838	11/20/02	5:43

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1003**  
**Page: 3**  
**Laboratory Receipt Date: 11/19/02**

pest surr-TCMX	110.	‡ Rec	5838	11/20/02	5:43
pest surr-DCB	96.	‡ Rec	5838	11/20/02	5:43

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----

**\*\*METALS\*\***

Arsenic	< 0.88	mg/kg	4917	11/20/02	18:44
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# - Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 309826







# Test America

INCORPORATED

12/ 2/02

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

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 37778-010-1008 RED PANTHER. The Laboratory Project number is 310714.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1
		Collection Date
-----	-----	-----
D1-C3	02-A194149	11/22/02
D2-C5	02-A194150	11/22/02
D2-C6	02-A194151	11/22/02
D2-C7	02-A194152	11/22/02

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste effective 09/30/99-12/31/03.  
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/03.

These results relate only to the items tested.  
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: *Paul E. Lane, Jr.*

Report Date: 12/ 2/02

Paul E. Lane, Jr., Lab Director  
Michael H. Dunn, M.S., Technical Director  
Johnny A. Mitchell, Dir. Technical Serv.  
Eric S. Smith, Assistant Technical Director  
Roxanne L. Connor, Technical Services

Gail A. Lage, Technical Serv.  
Glenn L. Norton, Technical Serv.  
Kelly S. Comstock, Technical Serv.  
Pamela A. Langford, Technical Serv.

## ANALYTICAL REPORT

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

Lab Number: 02-A194149  
 Sample ID: D1-C3  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1008  
 Project Name: RED PANTHER  
 Sampler: STEVEN S.

Date Collected: 11/22/02  
 Time Collected: 10:15  
 Date Received: 11/23/02  
 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	140.	mg/kg	33.3	10000	11/29/02	10:40	Henderson	8081A	4084
Toxaphene	3130	mg/kg	832.	5000	11/29/02	10:40	Henderson	8081A	4084
<b>*METALS*</b>									
Arsenic	14.5	mg/kg	0.99	1	11/30/02	17:32	C. Johnson	6010B	2152

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	11/26/02		M. Cauthen	3550

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A194149  
Sample ID: D1-C3  
Project: 37778-010-1008  
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 results reported on a wet weight basis.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A194150  
 Sample ID: D2-C5  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1008  
 Project Name: RED PANTHER  
 Sampler: STEVEN S.

Date Collected: 11/22/02  
 Time Collected: 8:55  
 Date Received: 11/23/02  
 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	13.3	mg/kg	3.33	1000	11/29/02	11:06	Henderson	8081A	4084
Toxaphene	157.	mg/kg	83.2	500	11/29/02	11:06	Henderson	8081A	4084
<b>*METALS*</b>									
Arsenic	26.8	mg/kg	0.98	1	11/30/02	17:32	C.Johnson	6010B	2152

**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	11/26/02		M. Cauthen	3550

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A194150  
Sample ID: D2-C5  
Project: 37778-010-1008  
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 results reported on a wet weight basis.  
Pesticide surrogate diluted below detectable levels due to  
sample matrix.

End of Sample Report.

## ANALYTICAL REPORT

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

Lab Number: 02-A194151  
 Sample ID: D2-C6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1008  
 Project Name: RED PANTHER  
 Sampler: STEVEN S.

Date Collected: 11/22/02  
 Time Collected: 8:40  
 Date Received: 11/23/02  
 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	1.93	mg/kg	0.333	100	11/29/02	11:34	Henderson	8081A	4084
Toxaphene	19.0	mg/kg	8.32	50	11/29/02	11:34	Henderson	8081A	4084
<b>*METALS*</b>									
Arsenic	44.1	mg/kg	0.98	1	11/30/02	17:32	C. Johnson	6010B	2152

**Sample Extraction Data**

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.0 gm	10.0 ml	11/26/02		M. Cauthen	3550

Sample report continued . . .



## ANALYTICAL REPORT

Laboratory Number: 02-A194151  
Sample ID: D2-C6  
Project: 37778-010-1008  
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 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  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A194152  
 Sample ID: D2-C7  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1008  
 Project Name: RED PANTHER  
 Sampler: STEVEN S.

Date Collected: 11/22/02  
 Time Collected: 8:30  
 Date Received: 11/23/02  
 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	9.66	mg/kg	3.33	1000	11/29/02	12:03	Henderson	8081A	4084
Toxaphene	378.	mg/kg	83.2	500	11/29/02	12:03	Henderson	8081A	4084
<b>*METALS*</b>									
Arsenic	42.7	mg/kg	0.96	1	11/30/02	17:32	C. Johnson	6010B	2152

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	11/26/02		M. Cauthen	3550

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A194152  
Sample ID: D2-C7  
Project: 37778-010-1008  
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 results reported on a wet weight basis.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1008**  
**Project Name: RED PANTHER**  
**Page: 1**  
**Laboratory Receipt Date: 11/23/02**

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Samp.
---------	-------	------------	--------	------------	----------	--------------	------------	-------------

**\*\*METALS\*\***

Arsenic	mg/kg	< 0.96	17.5	20.0	88	80 - 120	2152	Duplicate
---------	-------	--------	------	------	----	----------	------	-----------

**Matrix Spike Duplicate**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
---------	-------	------------	-----------	-----	-------	------------

**\*\*METALS\*\***

Arsenic	mg/kg	17.5	18.0	2.82	20	2152
---------	-------	------	------	------	----	------

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
---------	-------	------------	--------------	------------	--------------	------------

**\*\*PEST/PCB/HERB PARAMETERS\*\***

Dieldrin	mg/kg	0.0167	0.0200	120	64 - 146	4084
Toxaphene	mg/kg	0.333	0.496	149	64 - 154	4084

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
---------	-------	------------	--------------	------------	--------------	------------

**\*\*METALS\*\***

Arsenic	mg/kg	20.0	16.8	84	80 - 120	2152
---------	-------	------	------	----	----------	------

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**  
**Project Number: 37778-010-1008**  
**Project Name: RED PANTHER**  
**Page: 2**  
**Laboratory Receipt Date: 11/23/02**

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**METALS**						

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
**PEST/PCB/HERB PARAMETERS**					
Dieldrin	< 0.0033	mg/kg	4084	11/29/02	19:20
Toxaphene	< 0.166	mg/kg	4084	11/29/02	19:20

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
**METALS**					
Arsenic	< 0.88	mg/kg	2152	11/30/02	17:32

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 310714



**Appendix F**

**Statistical Evaluation of Ditch Confirmation Sample Data**

## Red Panther Project Memorandum

December 6, 2002

To: Bert Cole  
Brent Jacobs  
Cc: Bob Mowrey  
Billy Hall

From: Warner Golden

Re: Ditch Confirmation Samples  
Site Characterization Grids  
Sample QA/QC review

### Current Ditch Confirmation Samples

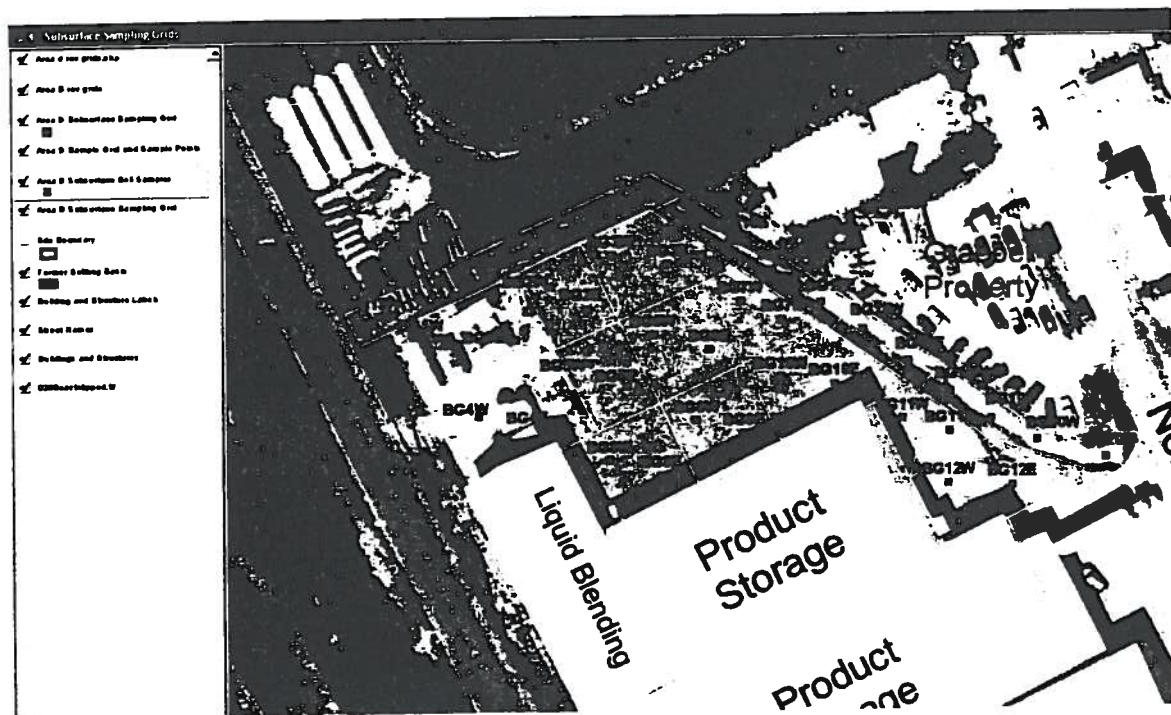
Second round confirmation sample results have been obtained from the area of 1 foot of additional excavation in ditch areas D1-1, D2-1, D2-3 and D2-4. The second statistical run with the second results replacing the results in the first round indicates that the ditch domain fails the subsurface performance standards for toxaphene and dieldrin. The subsurface standard for arsenic passes. Therefore, the ditch domain will have to be addressed in the Phase II Work Plan. The table below shows the current results for the ditch domain.

	A	B	C	D	E	F	G
1							
2	95% UCL of Mean ----->			109.9	805.1	36.7	
3	# Blocks Sampled w/ results->			12	12	12	
4	Excavated Values Mean ->			77.4	345.8	16.3	
5	Performance Standard Value->			270	220	15	
6	Student's T			1.8	1.8	1.8	
7		<b>Grid #</b>	<b>Status</b>	<b>Arsenic</b>	<b>Toxaphene</b>	<b>Dieldrin</b>	<b>Backfill Status</b>
8	1	<b>D1-1 (D1-c3)</b>	<b>Sampled</b>	<b>14.5</b>	<b>3130.0</b>	<b>140.0</b>	
9	2	D1-2	Sampled	47.3	243.0	9.8	
10	3	<b>D2-1 (D2-c5)</b>	<b>Sampled</b>	<b>26.8</b>	<b>157.0</b>	<b>13.3</b>	
11	4	D2-2	Sampled	119.0	209.0	19.0	
12	5	<b>D2-3 (D2-c6)</b>	<b>Sampled</b>	<b>44.1</b>	<b>19.0</b>	<b>1.9</b>	
13	6	<b>D2-4 (D2-c7)</b>	<b>Sampled</b>	<b>42.7</b>	<b>378.0</b>	<b>9.7</b>	
14	7	D3-1	Sampled	183.0	3.8	0.4	
15	8	D3-2	Sampled	206.0	7.7	0.7	
16	9	D3-3	Sampled	56.5	0.1	0.1	
17	10	D4-1	Sampled	59.9	1.2	0.1	
18	11	D4-2	Sampled	24.4	0.5	0.1	
19	12	D4-3	Sampled	104.0	0.6	0.1	
21							
22	<b>Notes:</b>						
23	Grids highlighted (D1-1, D2-2, D2-3, D2-4) were excavated additional 1 foot						
24	Grid numbers in parenthesis are second round results						



## Area B Site Characterization Grids

After more careful inspection of the concrete in area B, NewFields recommends that the grids in the tank farm be sampled as originally called for in the work plan. The concrete containment found in the tank farm area covered by grids BG-1 and BG-4 is in very poor condition with several large cracks and holes. In addition, a large portion of the concrete in the NE corner has been pulled back completely. In contrast, the tank farm in area D, which is not being sampled, is in very good condition. The logic is sound for sampling the containment in poor condition and not sampling the containment in good condition. Therefore in order to avoid future questions about this area, grids BG-1 and BG-4 should be sampled at this time as originally planned.



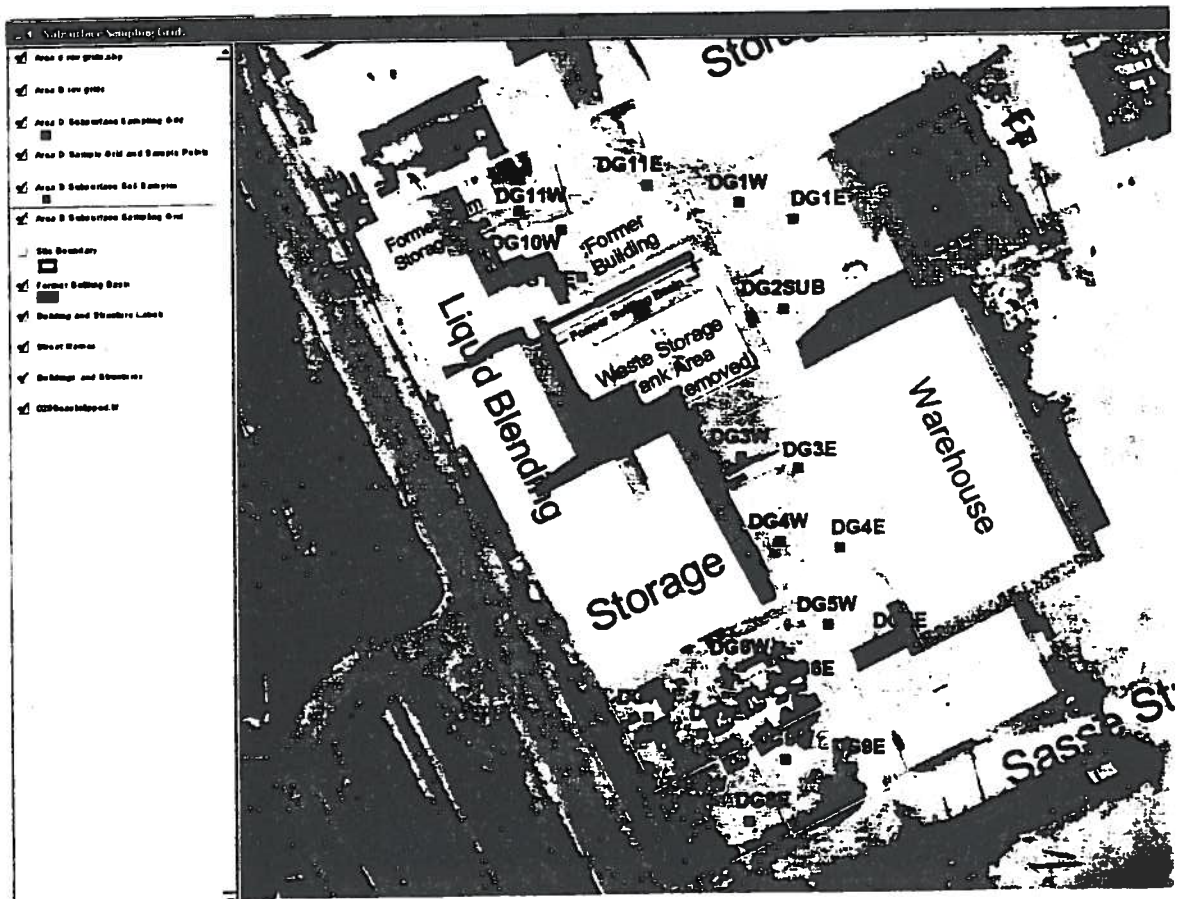
Concrete slabs in area B have been found. NewFields recommends that these concrete slabs be cored through and the soil samples be collected as planned.

## NEWFIELDS

1965 Lakemont Drive, Birmingham AL 35244  
Phone 205-428-8388, fax 205-426-0694

### Area D Site Characterization Grids

As previously discussed, two additional grids have been added to Area D. The two grids cover the area of exposed soils in the NW corner of the area adjacent to the buildings. The subsurface samples approximate locations are shown below. The 5 aliquots for the surface samples should be collected from random locations within each grid. As with the other grids, coordinates for the actual sample location will be obtained by the surveyor following sample collection. The new grids, D-10 and D-11 are shown in the figure below.



Concrete slabs have also been found in Area D. NewFields recommends that these concrete slabs be cored through and the soil samples be collected as planned.

### QA/QC Samples

The Work Plan calls for level III data packages from the lab with 10 percent of the samples at level IV. Please be sure to have 10 percent of the samples processed with level IV data packages.

**NEWFIELDS**

1965 Lakemont Drive, Birmingham AL 35244  
Phone 205-428-8388, fax 205-426-0694

The following figure provides a closeup view of the new grids in Area D.





**Appendix G**  
**Soil Disposal Manifests**

**THE TUNICA LANDFILL**

6035 Bowdre Road  
Robinsonville, MS 38664  
(662) 363-2282  
(662) 363-0170 Fax

# Certificate of Disposal

Red Panther Chemical  
WMI Profile Number CU4849

Be It Known By All Men,

Beginning on November 11, 2002, through December 27, 2002, 33 loads containing 854.16 tons of non-regulated solids from Red Panther 550 Patton Road in Clarksdale, Mississippi were transported by Matthews Trucking under the direction of Hepaco, Inc. 4000 North Watkins Memphis, Tennessee to Waste Management of Tunica Landfill Inc.

These loads were deposited on the landfill; the exact location determined by an agent of the landfill owner and equipment operator. Each load was placed within the confines of approved Sub-titled D Lined Area for final interment, properly destroying the entire shipment.

As previously mentioned this project to date has consisted of destruction of 33 loads and an Online Report substantiating this fact is enclosed.

I, Jeffrey H. Papasan, agent for Waste Management of Tunica Landfill Inc., certify that said destruction did occur at this facility located at 6035 Bowdre Road in Robinsonville, Mississippi.

If you should have any questions in regard to this matter please feel free to contact me at 662-363-2282.

Respectfully Submitted,



Jeffrey H. Papasan  
District Manager  
Waste Management of Tunica Landfill Inc

Enclosure



# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc

Address: 4000 N. Watkins  
Memphis, TN. 38127

Phone No.: (901) 345-6333

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical

Address: 550 Patton  
Clarksdale, MS.

Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole - AS agent for the Red Panther PRP Group  
Generator Authorized Agent

Albert W. Cole  
Signature

11/12/03  
Shipment Date

### TRANSPORTER

Truck No.: BAT 013

Transporter Name: \_\_\_\_\_

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

Transporter Phone No.: (901) 481-2948

Driver Name (print): William W. Taylor

Vehicle License No./State: A 47764

Vehicle Certification: \_\_\_\_\_

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William W. Taylor  
Signature

11/11/03  
Pickup Date

William W. Taylor  
Signature

11/11/03  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill

Phone No.: 1-877-989-2783

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

F.C. Boyd  
Name (print)

F.C. Boyd  
Signature

12/11/03  
Receipt Date

010510

TOTAL TO DATE: 24.5970

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6025 Bowdre Rd.  
 Robinsonville, MS 38664  
 877-989-2783

176006

ORIGINAL

MATTHEWS TRUCKING	TBI	Francis	03:17:44 P	03:17:44	11/12/2002
HEPACO	HEPACO				GROSS Lbs: 82,700.00
					Tare Lbs: 28,340.00
					Net Lbs: 54,360.00
HEPACO					All Adjustments: 0.00
2275 AIRPORT INTERCHANGE AVE.					Adjusted Lbs: 54,360.00
MEMPHIS	TN	38312			Adjusted Tons: 27.18
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

RED PANTHER/C/DALE  
 Destination:  
 WMI TUNICA LANDFILL  
 CU4849



CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	27.18	TON	\$21.00	\$570.78
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				<u>\$570.78</u>



# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, Td. 38327  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole, As Agent for the Red Panther DRP 6-04P  
 Generator Authorized Agent  
Albert W. Cole - URS Signature  
 11/12/02 Shipment Date

### TRANSPORTER

Truck No.: TB7  
 Transporter Name: Bilbro Trucking  
 Address: SARAH MS.

Transporter Phone No.: \_\_\_\_\_  
 Driver Name (print): Tim Bilbro  
 Vehicle License No./State: A34259  
 Vehicle Certification: US DOT 81257

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tim Bilbro Signature  
 11/12/02 Pickup Date

Tim Bilbro Signature  
 11/12/02 Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.  
F. C. Bond Name (print)  
F. C. Bond Signature  
 11/12/02 Receipt Date

010678

TOTAL TO DATE: 27,85

DRIVER: PLEASE SIGN HERE

*Billy*

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6035 Bowdre Rd.  
 Robinsonville, MS 38664  
 977-989-2783

TICKET NBR

176006

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
MATTHEWS TRUCKING	2	Francis	03:37:01 P	03:37:01	11/12/2002
HEPACC	HEPACC			GROSS Lbs:	94,920.00
				Tare Lbs:	30,100.00
				Net Lbs:	64,820.00
HEPACC				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	64,820.00
MEMPHIS	TN	38312		Adjusted Tons:	32.41
*****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					
SOURCES			OTHER INFORMATION		
PEB PANTHER/C/D/LE Destination: WM TUNICA LANDFILL 604649					
000110					
outside					
MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT	
CST21 CON./ SOIL/SAND/DEBRIS/SLAG	32.41	TON	\$21.00	\$680.61	
TOTAL FEES				0.00	
TOTAL TAX				0.00	
TOTAL AMOUNT				<u>\$680.61</u>	

#123833pc.qxd (1 of 1)

The Reliton Company

# WM THE TUNICA LANDFILL

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

#### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN 38127  
 Phone No.: (901) 481-2948  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS..  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole - As Agent for the Red Panther PRP Group      Albert W. Cole - URS      11/12/02  
 Generator Authorized Agent      Signature      Shipment Date

#### TRANSPORTER

Truck No.: R-002  
 Transporter Name: Matthews & Kopf  
 Address: 1250 Matthews Dr  
Savannah

Transporter Phone No.: (601) 560-6516  
 Driver Name (print): Billy  
 Vehicle License No./State: A 43429  
 Vehicle Certification: Miss 492077

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Billy Sexton      11/12/02  
 Signature      Pickup Date

Billy Sexton      11/12/02  
 Signature      Delivery Date

#### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

F.C. Bond      F.C. Bond      11/12/02  
 Name (print)      Signature      Receipt Date

010679

TOTAL TO DATE: 32.4

DRIVER: PLEASE SIGN HERE

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 5035 Bowdre Rd.  
 Robinsonville, MS 38664  
 877-989-2789

TICKET NBR  
 176013

ORIGINAL

HAULER NAME		TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
HEPACO		BAT1	Francis	03:58:48 P	04:10:53	11/12/2002
HEPACO	HEPACO				GROSS Lbs:	91,940.00
					Tare Lbs:	32,860.00
					Net Lbs:	59,080.00
HEPACO					All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.					Adjusted Lbs:	59,080.00
MEMPHIS	TN	38312			Adjusted Tons:	29.54
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****						
SOURCES				OTHER INFORMATION		
RED PANTHER/C/DALE Destination: WM TUNICA LANDFILL CU4849				000110  outside		
MATERIAL CODE/DESCRIPTION		QUANTITY	MEASURE	RATE	AMOUNT	
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG		29.54	TON	\$21.00	\$620.34	
TOTAL FEES					0.00	
TOTAL TAX					0.00	
TOTAL AMOUNT					<u>\$620.34</u>	

#72933pc.qxd (1-3) F

The Relison Company

# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarendale, MS.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non-Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole As Agent for Red Panther PRP Group  
 Generator Authorized Agent  
[Signature] - URS  
 Signature  
11 12 182  
 Shipment Date

### TRANSPORTER

Truck No.: BAT 1  
 Transporter Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

Transporter Phone No.: (\_\_\_\_) \_\_\_\_\_  
 Driver Name (print): \_\_\_\_\_  
 Vehicle License No./State: \_\_\_\_\_  
 Vehicle Certification: \_\_\_\_\_

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_ Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.  
F.C. Beard  
 Name (print) Signature  
[Signature]  
 Signature  
11 12 182  
 Receipt Date

010676

TOTAL TO DATE: 295470

RECYCLE PLEASE DON HEPAC

*Gene Haly*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
677-989-2783

176012

ORIGINAL

HEPACO	BAT 2	Francis	03:56:57 P	04:09:00	11/12/2002
HEPACO	HEPACO			GROSS Lbs:	74,420.00
				Tare Lbs:	30,380.00
				Net Lbs:	44,040.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	44,040.00
MEMPHIS	TN	38312		Adjusted Tons:	22.02
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

RED PANTHER/C/DALE  
 Destination:  
 WM TUNICA LANDFILL  
 CU4849 000110  
 outside

MATERIAL CODE	DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./	SOIL/SAND/DEBRIS/SLAG	22.02	TON	\$21.00	\$462.42
TOTAL FEES					0.00
TOTAL TAX					0.00
TOTAL AMOUNT					\$462.42

4723933sec.qxd (11-3) F

The Refitron Company



# THE TUNICA LANDFILL

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

176012

#### GENERATOR

Name of Generator: Hepaco, Inc.

Address: 4000 N. Watkins  
Memphis, TN 38127

Phone No.: (901) 345-6333

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical

Address: 550 Patton  
Clarksdale, MS.

Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole As Agent to  
the Red Panther PRS Group  
Generator Authorized Agent

Albert W. Cole - URS  
Signature

11/12/02  
Shipment Date

#### TRANSPORTER

Truck No.: Bot 2

Transporter Name: Bot's Trucking

Address: Furness Point MS

Transporter Phone No.: (601) 453-6722

Driver Name (print): Gene McGee

Vehicle License No./State: MS

Vehicle Certification: \_\_\_\_\_

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Gene McGee Jr.  
Signature

11/12/02  
Pickup Date

Signature \_\_\_\_\_

Delivery Date \_\_\_\_\_

#### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill

Phone No.: 1-877-989-2783

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

F. C. Beard  
Name (print)

F. C. Beard  
Signature

11/12/02  
Receipt Date

010677

TOTAL TO DATE: 22.02 T

DRIVER PLEASE SIGN HERE

Donald

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176066

ORIGINAL

MATTHEWS TRUCKING		3	Tammy	12:05:31 P	12:05:31	11/13/2002
HEPACO	HEPACO				GROSS Lbs:	81,860.00
					Tare Lbs:	29,700.00
					Net Lbs:	52,160.00
HEPACO					All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.					Adjusted Lbs:	52,160.00
MEMPHIS	TN	38312			Adjusted Tons:	26.08
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****						
SOURCES			OTHER INFORMATION			
RED PANTHER/C/DALE						
Destination:						
WM TUNICA LANDFILL						
CU4649			000110			
outside						
MATERIAL CODE/DESCRIPTION		QUANTITY	MEASURE	RATE	AMOUNT	
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG		26.08	TON	\$21.00	\$547.68	
TOTAL FEES					0.00	
TOTAL TAX					0.00	
TOTAL AMOUNT					\$547.68	

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The Relison Company



# THE TUNICA LANDFILL

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

110060

#### GENERATOR

Name of Generator: Hepco, Inc.  
 Address: 4000 Watties  
Memphis, TN 38129  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 500 Patton  
Clarksdale, MS  
 Phone No.: (901) 481-2748

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole - URS  
As Agent for Red Panther Site  
 Generator Authorized Agent \_\_\_\_\_ Signature \_\_\_\_\_ 11/13/02 Shipment Date

#### TRANSPORTER

Truck No.: RMJ  
 Transporter Name: MATTHEWS & KOPH  
 Address: SARAH MISS

Transporter Phone No.: (901) 499-6863  
 Driver Name (print): DONALD  
 Vehicle License No./State: A44352  
 Vehicle Certification: U90277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Donald Mah 11/13/02 Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_  
Donald Mah 11/13/02 Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

#### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tammy Red 11/13/02 Name (print) \_\_\_\_\_ Signature \_\_\_\_\_ Receipt Date

**010508** TOTAL TO DATE: 26.0  
 White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldstrod - CONTRACTOR

DRIVER: PLEASE SIGN HERE

Willie Beer

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

TICKET NBR  
176063

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
MATTHEWS TRUCKING	BAT4	Tanny	11:21:54 A	11:36:46	11/13/2002
HEPACC	HEPACC			GROSS Lbs:	85,460.00
				Tare Lbs:	33,880.00
				Net Lbs:	51,580.00
HEPACC				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	51,590.00
MEMPHIS	TN	38312		Adjusted Tons:	25.79
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					
SOURCES			OTHER INFORMATION		
RED PANTHER/C/DALE Destination: WM TUNICA LANDFILL CU4549			000110 COAHOMA MISSISSIPPI outside		
MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT	
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	25.79	TON	\$21.00	\$541.59	
TOTAL FEES				0.00	
TOTAL TAX				0.00	
TOTAL AMOUNT				\$541.59	

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The Reltron Company

# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

176063

### GENERATOR

Name of Generator: Nepaco Inc.

Address: 4000 N. Watkins  
Memphis, TN. 38127

Phone No.: (901) 345-6333

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical

Address: 550 Patton  
Clarksdale, MS.

Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non-Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Robert W. Hill - AS Agent for  
Red Panther PRP Committee  
Generator Authorized Agent Signature Robert W. Hill - URS 11/13/02  
Shipment Date

### TRANSPORTER

Truck No.: BATA

Transporter Name: BATRUCKS

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

Transporter Phone No.: (\_\_\_\_) \_\_\_\_\_

Driver Name (print): Willie Bell

Vehicle License No./State: \_\_\_\_\_

Vehicle Certification: \_\_\_\_\_

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Willie Bell  
Signature Pickup Date

Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill

Phone No.: 1-877-989-2783

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tammy Red  
Name (print) Signature Tammy Red 11/13/02  
Receipt Date

010503

TOTAL TO DATE: 25.79





# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

116062

### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 500 Patton  
Clarksdale, Ms.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solid		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole - URS  
Agent Red Panther Site  
 Generator Authorized Agent

Albert W. Cole  
 Signature

11/13/02  
 Shipment Date

### TRANSPORTER

Truck No.: DG-1  
 Transporter Name: Red Panther  
 Address: 6035 Bowdre Road  
Robinsonville, MS 38664

Transporter Phone No.: (662) 457-6706  
 Driver Name (print): C. Carter JA  
 Vehicle License No./State: \_\_\_\_\_  
 Vehicle Certification: \_\_\_\_\_

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

C. Carter JA  
 Signature

11/13/02  
 Pickup Date

C. Carter JA  
 Signature

11/13/02  
 Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tammy Red  
 Name (print)

Tammy Red  
 Signature

11/13/02  
 Receipt Date

010505

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 22.73  
 TONS

*Don't miss it*

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6035 Bowdre Rd.  
 Robinsonville, MS 38654  
 877-989-2782

176061

ORIGINAL

MATTHEWS TRUCKING	BAT2	Tanny	11:22:36 A	11:22:36	11/13/2002
HEPACO	HEPACO			GROSS Lbs:	69,380.00
				Tare Lbs:	30,580.00
HEPACO				Net Lbs:	38,800.00
2275 AIRPORT INTERCHANGE AVE.				All Adjustments:	0.00
				Adjusted Lbs:	38,800.00
MEMPHIS	TN	38312		Adjusted Tons:	19.40
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

The Reitzel Company

RED PANTHER/C/DALE	INFORMATION				
Destination:	WM TUNICA LANDFILL				
CU4849	WM 000110				
	outside				

CODE	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
CST21 \	CON./ SOIL/SAND/DEBRIS/SLAG	19.40	TON	\$21.00	\$407.40
	TOTAL FEES				0.00
	TOTAL TAX				0.00
	TOTAL AMOUNT				\$407.40



# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

174000  
Ticket # 176

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) ~~880~~ 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 500 Patton  
Clarksdale, MS.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

RED PANTHER PRP COMMITTEE  
Albert W. Hill - Authorized Agent Albert W. Hill - URS 11/13/02  
 Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: Bot 2  
 Transporter Name: BGS Trucking  
 Address: Epides Pk + N

Transporter Phone No.: (662) 453-6706  
 Driver Name (print): Gene Mcbray  
 Vehicle License No./State: MS  
 Vehicle Certification: \_\_\_\_\_

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Gene Mcbray 11/13/02  
 Signature Pickup Date  
 Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill Phone No.: 1-877-989-2783  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.  
Tammy Red Tammy Red 11.13.02  
 Name (print) Signature Receipt Date

010504

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 19.40  
Tons

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6035 Bowdre Rd.  
 Robinsonville, MS 38664  
 677-989-2783

176099

ORIGINAL

MATTHEWS TRUCKING

BAT009

Tummy

10:56:27 A

11:14:16

11/13/2002

HEPACO

HEPACO

GROSS Lbs: 83,160.00

Tare Lbs: 31,620.00

Net Lbs: 51,540.00

HEPACO

All Adjustments: 0.00

2275 AIRPORT INTERCHANGE AVE.

Adjusted Lbs: 51,540.00

MEMPHIS

TN

38312

Adjusted Tons: 25.77

\*\*\*\*We will be closed Thursday November 28 in observance of  
 Thanksgiving. We will reopen on Friday November 29 with normal  
 hours.\*\*\*\*\*

RED PANTHER/C/DALE

Destination:

WM TUNICA LANDFILL

CU4849

**WM** 000110

outside

CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG

25.77

TON

\$21.00

\$541.17

TOTAL FEES

0.00

TOTAL TAX

0.00

TOTAL AMOUNT

\$541.17





# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

116057

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 500 Patton St.  
Clarksdale, MS.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Gola - URS  
As Agent for Red Panther  
 Generator Authorized Agent PRP Group Signature Albert W. Gola Shipment Date 11.13.02

### TRANSPORTER

Truck No.: 003 R07  
 Transporter Name: William Maitland  
 Address: \_\_\_\_\_

Transporter Phone No.: (\_\_\_\_) 299-7585  
 Driver Name (print): William Maitland  
 Vehicle License No./State: A 7764  
 Vehicle Certification: \_\_\_\_\_

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_ Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783

Discrepancies: \_\_\_\_\_  
 hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tammy Red  
 Name (print) Signature Tammy Red Receipt Date 11.13.02

010502

TOTAL TO DATE: 25.79

DRIVER: PLEASE SIGN HERE

Danny J. Willett

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6035 Bowdre Rd.  
 Robinsonville, MS 38664  
 677-989-2783

176068

ORIGINAL

TRUCKER NAME	TRUCK #	OPERATOR	IN TIME	TIME OUT	DATE
MATTHEWS TRUCKING	21	Tanny	12:09:08 P	12:09:08	11/13/2002

HEPACO	HEPACO	GROSS Lbs:	71,860.00	
		Tare Lbs:	27,840.00	
		Net Lbs:	44,020.00	
HEPACO		All Adjustments:	0.00	
2275 AIRPORT INTERCHANGE AVE.		Adjusted Lbs:	44,020.00	
MEMPHIS	TN	38312	Adjusted Tons:	22.01

\*\*\*\*We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.\*\*\*\*\*

SOURCES

OTHER INFORMATION

RED PANTHER/C/DALE  
 Destination:  
 WM TUNICA LANDFILL  
 CU4849 000110  
 outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	22.01	TON	\$21.00	\$462.21
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$462.21

#22843pc.qxd (1 of 1)

The Relixon Company



# THE TUNICA LANDFILL

1140040

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

#### GENERATOR

Name of Generator: Hepaco, Inc.

Address: 4000 N. Watkins  
Memphis, TN 38127

Phone No.: (901) 345-6333

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical

Address: 550 Patton  
Clareedale, MS

Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0726010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole URS  
As Agent for the Red Panther PRP  
Generator Authorized Agent 6 rows

Albert W. Cole - URS  
Signature

11/13/02  
Shipment Date

#### TRANSPORTER

Truck No.: A 221

Transporter Name: MATTHEW KOPE

Address: Sarch miss

Transporter Phone No.: (662) 560-6516

Driver Name (print): DANNY L. WILLARD

Vehicle License No./State: A-33447

Vehicle Certification: DOT 450177

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Danny L. Willard 11/13/02  
Signature Pickup Date

Danny L. Willard 11/13/02  
Signature Delivery Date

#### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill

Phone No.: 1-877-989-2783

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tommy Red  
Name (print)

Tommy Red  
Signature

11/13/02  
Receipt Date

010508

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 22.01

DRIVER PLEASE SIGN HERE

*Janner*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176069

ORIGINAL

MATTHEWS TRUCKING	8	Tenny	12:12:04 P	12:12:04	11/19/2002
HEPACO	HEPACO			GROSS Lbs:	73,180.00
				Tare Lbs:	30,720.00
				Net Lbs:	42,460.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	42,460.00
MEMPHIS	TN	38312		Adjusted Tons:	21.23
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

SOURCES

OTHER INFORMATION

RED PANTHER/C/DALE  
Destination:  
WM TUNICA LANDFILL  
CU4849 000110  
outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
C5T21 \ CON./ SOIL/SAND/DEBRIS/SLAG	21.23	TON	\$21.00	\$445.83
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$445.83

#729833pc.qxd (1-3) F

The Helixon Company



# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

11606

### GENERATOR

Name of Generator: Hepaco, Inc.

Waste Generation Location: Red Panther Chemical

Address: 4000 N. Watkins  
Memphis, TN.

Address: 550 Patton  
Clarksdale, MS

Phone No.: (901) 345-6333

Phone No.: (901) 481-2948

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. [unclear] - URS  
As Agent for the Red Panther [unclear]  
Generator Authorized Agent Group

[Signature] - URS  
Signature

11/13/02  
Shipment Date

### TRANSPORTER

Truck No.: PM-8

Transporter Phone No.: (662) 560-6516

Transporter Name: Matthews & Kopf

Driver Name (print): JAMES DELORD

Address: 1250 Matthews Rd  
Spartanburg, MS

Vehicle License No./State: A

Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 11/13/02  
Signature Pickup Date

[Signature] 11/13/02  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill

Phone No.: 1-877-989-2783

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tammy Red  
Name (print)

[Signature]  
Signature

11/13/02  
Receipt Date

010509

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 21.23  
TONS

DRIVER: PLEASE SIGN HERE

*Tim Bilbro*

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6025 Bowdre Rd.  
 Robinsonville, MS 38664  
 677-989-2783

TICKET NBR  
 176074

ORIGINAL

TRUCK #	OPERATOR	IN	OUT	DATE	
MATTHEWS TRUCKING	TE1	Tanny	12:44:48 P	12:44:48	11/13/2002

HEPACO	HEPACO	GROSS Lbs:	83,640.00	
		Tare Lbs:	28,340.00	
		Net Lbs:	55,300.00	
HEPACO		All Adjustments:	0.00	
2275 AIRPORT INTERCHANGE AVE.		Adjusted Lbs:	55,300.00	
MEMPHIS	TN	38312	Adjusted Tons:	27.65

\*\*\*\*We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.\*\*\*\*\*

SOURCES

OTHER INFORMATION

RED PANTHER/C/DALE  
 Destination:  
 WM TUNICA LANDFILL  
 CU4849 000110  
 outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	27.65	TON	\$21.00	\$580.65
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$580.65

#729933pc.qxd (1 of 1)

The Reilzon Company

# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

110017

### GENERATOR

Name of Generator: Hepeco, Inc.

Waste Generation Location: Red Panther Chemical

Address: 4000 N. Watkins  
Memphis, TN. 38127

Address: 550 Patton  
Clarksdale, MS

Phone No.: (901) 345-6333

Phone No.: (901) 481-2948

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cox Ac Agent for  
Red Panther PRP Group  
Generator Authorized Agent

Albert W. Cox - URS  
Signature

11/13/05  
Shipment Date

### TRANSPORTER

Truck No.: TB1  
Transporter Name: B. B. B. Trucking  
Address: SARAH MS

Transporter Phone No.: \_\_\_\_\_  
Driver Name (print): Tim B. B. B.  
Vehicle License No./State: A221259  
Vehicle Certification: 801257

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
Signature

Pickup Date

[Signature]  
Signature

Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tommy Red  
Name (print)

[Signature]  
Signature

11/13/05  
Receipt Date

010681

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldstamped - CONTRACTOR

TOTAL TO DATE: 27.65  
TONS

DRIVER: PLEASE SIGN HERE

*Ray Y*

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 5035 Bowdre Rd.  
 Robinsonville, MS 38664  
 877-989-2783

176357

ORIGINAL

MATERIAL		QUANTITY	UNIT	TIME IN	TIME OUT	DATE
MATTHEWS TRUCKING		4	Tonny	06:06:15 A	06:06:15	11/19/2002
HEPACO	HEPACO					GROSS Lbs: 96,320.00
						Tare Lbs: 32,300.00
						Net Lbs: 64,020.00
HEPACO	2275 AIRPORT INTERCHANGE AVE.					All Adjustments: 0.00
						Adjusted Lbs: 64,020.00
MEMPHIS	TN	38312				Adjusted Tons: 32.01
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****						

SOURCES	OTHER INFORMATION
RED PANTHER/C/DALE	
Destination:	
WM TUNICA LANDFILL	
CU4849	000110
	outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	32.01	TON	\$21.00	\$672.21
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$672.21

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The Reardon Company





# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

114551

### GENERATOR

Name of Generator: Hexco, Inc

Address: 4000 N. Watkins  
Memphis TN 38127

Phone No.: (901) 345-6333

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther

Address: 550 Patton  
Clarksdale, Ms

Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Rachel Aitken  
Generator Authorized Agent

Rachel Aitken  
Signature

11, 18, 02  
Shipment Date

### TRANSPORTER

Truck No.: RM1

Transporter Name: Matthew T Kopf

Address: Sarab MS

Transporter Phone No.: (662) 560-6516

Driver Name (print): Rail Young

Vehicle License No./State: A 43430 MS

Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

Rail Young 11, 18, 02  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Rail Young 11, 19, 02  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tommy Red  
Name (print)

Tommy Red  
Signature

11, 19, 02  
Receipt Date

010691

TOTAL TO DATE: 32.01

DRIVER PLEASE SIGN HERE

*Larry James*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6025 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

TICKET NUMBER  
176447

ORIGINAL

TRUCKING	TRUCK	DRIVER	IN	OUT	DATE
MATTHEWS TRUCKING	11	Tammy	08:29:56 A	08:29:56	11/20/2002

HEPACO	HEPACO	GROSS Lbs:	87,440.00	
		Tare Lbs:	28,600.00	
		Net Lbs:	58,840.00	
HEPACO		All Adjustments:	0.00	
2275 AIRPORT INTERCHANGE AVE.		Adjusted Lbs:	58,840.00	
MEMPHIS	TN	38312	Adjusted Tons:	29.42
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****				

SOURCE	OTHER INFORMATION
RED PANTHER/C/DALE Destination: WM TUNICA LANDFILL CU4849	000110 outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	29.42	TON	\$21.00	\$617.82
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$617.82

# WM THE TUNICA LANDFILL

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

110447

#### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345.6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS  
 Phone No.: (901) 481.2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non-Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified packaged, and is in proper condition for transportation according to applicable regulations.

Albert G. ... as Agent for the Red Panther PRP Group  
 Generator Authorized Agent  
 Signature: [Signature] URS  
 Shipment Date: 11,20,02

#### TRANSPORTER

Truck No.: Rm 11  
 Transporter Name: MATTHEWS KOPF  
 Address: SARAH MS

Transporter Phone No.: (662) 560 6516  
 Driver Name (print): GARY LENARD  
 Vehicle License No./State: \_\_\_\_\_  
 Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.  
 Signature: [Signature]  
 Pickup Date: 11,20,02

With my signature, I certify that the above named material was delivered without incident to the destination listed below.  
 Signature: \_\_\_\_\_  
 Delivery Date: \_\_\_\_\_

#### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664  
 Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.  
 Name (print): Tommy Red  
 Signature: [Signature]  
 Receipt Date: 11,20,02

010684

TOTAL TO DATE: 29.42

DRIVER: PLEASE SIGN HERE

*Billy*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6025 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176463

ORIGINAL

SOURCE				DATE	
MATTHEWS TRUCKING	2	Tanny	10:02:42 A	10:02:42	11/20/2002
HEPACO	HEPACO			GROSS Lbs:	94,720.00
				Tare Lbs:	30,100.00
				Net Lbs:	64,620.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	64,620.00
MEMPHIS	TN	38312		Adjusted Tons:	32.31
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

SOURCE		OTHER INFORMATION	
RED PANTHER/C/DALE			
Destination:			
WM TUNICA LANDFILL			
CU4849		000110	
		outside	

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	32.31	TON	\$21.00	\$678.51
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$678.51

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The Helixon Company

# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 Watkins  
Memphis, TN.  
 Phone No.: (901) 481-2948  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther  
 Address: 550 Patton  
Clarksdale, MS  
 Phone No.: (901) 345-6333

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert Cole - URS as Agent for Red Panther RP Group  
 Generator Authorized Agent Signature Albert W. Cole Shipment Date 11, 26, 02

### TRANSPORTER

Truck No.: R-m-2  
 Transporter Name: Matthews + Kemp  
 Address: 1750 Matthews Dr  
Seneca, Miss

Transporter Phone No.: (662) 560-6516  
 Driver Name (print): Billy Sexton  
 Vehicle License No./State: A-43427 miss  
 Vehicle Certification: 492077

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature Billy Sexton Pickup Date 11/20/02

Signature Billy Sexton Delivery Date 11/20/02

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate

Name (print) Tommy Red Signature Tommy Red Receipt Date 11/20/02

010685

TOTAL TO DATE: 32.31

DRIVER LICENSE

Larry Lee

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6035 Bowdza Rd.  
 Robinsonville, MS 38664  
 877-989-2783

176476

ORIGINAL

SOURCE	ID	DRIVER	IN TIME	OUT TIME	DATE
MATTHEWS TRUCKING	11	Francis	11:49:15 A	11:49:15	11/20/2002
HEPACO	HEPACO			GROSS Lbs:	43,640.00
				Tare Lbs:	28,600.00
				Net Lbs:	15,040.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	15,040.00
MEMPHIS	TN	38312		Adjusted Tons:	7.52
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

SOURCE	OTHER INFORMATION
RED PANTHER/C/DALE	
Destination:	
WM TUNICA LANDFILL	
CU4849	000110
	outside

DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CS121 \ CON./ SOIL/SAND/DEBRIS/SLAG	7.52	TON	\$21.00	\$157.92
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$157.92

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The Relison Company

# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepco, Inc.  
 Address: 4600 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 481-2948  
 Waste ID. Code No.: CW4849  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther  
 Address: 550 Parton  
Clarksdale, MS  
 Phone No.: (901) 3456333

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non-Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

STEVEN SUSTEN  
 Generator Authorized Agent

Steven J. Susten, For URS  
 Signature

11/20/02  
 Shipment Date

### TRANSPORTER

Truck No.: Rm 11  
 Transporter Name: Matthews & Kopf  
 Address: SARAH MS

Transporter Phone No.: (662) 560 6516  
 Driver Name (print): GARY LENARD  
 Vehicle License No./State: \_\_\_\_\_  
 Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Gary Lenard 11/20/02  
 Signature Pickup Date

\_\_\_\_\_  
 Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

\_\_\_\_\_  
 hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

F.C. Boyd  
 Name (print)

F.C. Boyd  
 Signature

11/20/02  
 Receipt Date

**010686**

**TOTAL TO DATE: 7.52**

DRIVER: PLEASE SIGN HERE

*Day & Willett*

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6035 Bowdre Rd.  
 Robinsonville, MS 38664  
 677-989-2783

TICKET NBR
176523

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
MATTHEWS TRUCKING	21	Tammy	08:45:01 A	08:45:01	11/21/2002
HEPACO	HEPACO			GROSS Lbs:	90,820.00
				Tare Lbs:	27,840.00
				Net Lbs:	62,980.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	62,980.00
MEMPHIS	TN	38312		Adjusted Tons:	31.49
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

The Helixon Company

SOURCES	OTHER INFORMATION
RED PANTHER/C/DALE	
Destination:	
WM TUNICA LANDFILL	
CU4849	000110
	outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	31.49	TON	\$21.00	\$661.29
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$661.29





# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco  
 Address: 4000 N Watkins  
Memphis, TN  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther  
 Address: 550 Patton  
Clarksdale, MS.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert Ellis - UPS As agent for  
Red Panther P2P E-142  
 Generator Authorized Agent

[Signature]  
 Signature

11/21/02  
 Shipment Date

### TRANSPORTER

Truck No.: Am 21  
 Transporter Name: MATHEWS + NOPE  
 Address: SAGE A MISS

Transporter Phone No.: (662) 560-6516  
 Driver Name (print): DANNY L WILLIAMS  
 Vehicle License No./State: A-23447  
 Vehicle Certification: 007480271

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
 Signature

11/21/02  
 Pickup Date

[Signature]  
 Signature

11/21/02  
 Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tammy Red  
 Name (print)

[Signature]  
 Signature

11/21/02  
 Receipt Date

010687

TOTAL TO DATE: 31.49

*L. L. Lumber*

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6025 Bowdre Rd.  
 Robinsonville, MS 38664  
 877-989-2783

176532

ORIGINAL

MATTHEWS TRUCKING	14	Tenny	08:59:06 A	09:10:13	11/21/2002
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HEPACO HEPACO GROSS Lbs: 87,820.00  
 30YARD Tare Lbs: 31,740.00  
 HEPACO Net Lbs: 56,080.00  
 2275 AIRPORT INTERCHANGE AVE. All Adjustments: 0.00  
 Adjusted Lbs: 56,080.00  
 MEMPHIS TN 38312 Adjusted Tons: 28.04

\*\*\*\*We will be closed Thursday November 28 in observance of  
 Thanksgiving. We will reopen on Friday November 29 with normal  
 hours.\*\*\*\*\*

SOURCE OTHER INFORMATION

RED PANTHER/C/DALE  
 Destination:  
 WM TUNICA LANDFILL  
 CU4849 000110  
 30 30YARD  
 outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	28.04	TON	\$21.00	\$588.84
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$588.84

# WM THE TUNICA LANDFILL

176532

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc.

Address: 4000 N. Watkins  
Memphis, TN. 38127

Phone No.: (901) 345-6333

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical

Address: 550 Patton  
Clarksdale, MS

Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>New Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Albert Cole - URS  
is Agent for Red Panther PRP Corp  
Generator Authorized Agent

Albert Cole - URS  
Signature

11/21/02  
Shipment Date

### TRANSPORTER

Truck No.: RM 14  
Transporter Name: Matthews & Host  
Address: 1350 Matthews Dr.  
Sarah, MS

Transporter Phone No.: (662) 560-6510  
Driver Name (print): L. Tankersley  
Vehicle License No./State: A 48636 MS  
Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

L. Tankersley  
Signature  
11/21/02  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

\_\_\_\_\_  
Signature  
1/1  
Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
Time: \_\_\_\_\_

The above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Red  
Signature

Sammy Red  
Signature

11/21/02  
Receipt Date

TOTAL TO DATE: 28.04



# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc

Address: 4000 N. Watkins  
Memphis, TN. 38127

Phone No.: (901) 345-6333

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical

Address: 550 Patton  
Clarksdale, MS

Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Robert W. Cole - URS As Agent for  
Red Panther PRP Group  
Generator Authorized Agent

[Signature]  
Signature

11/21/02  
Shipment Date

### TRANSPORTER

Truck No.: RM 11

Transporter Name: MATTHEW ST KOPF

Address: SARAH MS.

Transporter Phone No.: (662) 560 6516

Driver Name (print): GARY LEARRE

Vehicle License No./State: \_\_\_\_\_

Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

[Signature] 11/21/02  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

\_\_\_\_\_  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill

Phone No.: 1-877-989-2783

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

11/21/02  
Receipt Date

010692

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: \_\_\_\_\_

DRIVER: PLEASE SIGN HERE

*Danny J. W. [Signature]*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6025 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176550

ORIGINAL

MATTHEWS TRUCKING	21	Francis	11:54:13 A	11:54:13	11/21/2002
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HEPACO	HEPACO	GROSS Lbs:	82,640.00	
		Tare Lbs:	27,840.00	
		Net Lbs:	54,800.00	
HEPACO		All Adjustments:	0.00	
2275 AIRPORT INTERCHANGE AVE.		Adjusted Lbs:	54,800.00	
MEMPHIS	TN	38312	Adjusted Tons:	27.40

\*\*\*\*We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.\*\*\*\*\*

RED PANTHER/C/DALE	OTHER INFORMATION		
Destination:	WM TUNICA LANDFILL		
CU4849	000110	outside	

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 (CON-) SOIL/SAND/DEBRIS/SLAG	27.40	TON	\$21.00	\$575.40
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$575.40

1000  
1000  
The Relison Company

# WM THE TUNICA LANDFILL

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

#### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345.6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS  
 Phone No.: (901) 7481.2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Lake As Agent for the Red Panther PRP Group      Albert W. Lake URS      11/21/02  
 Generator Authorized Agent      Signature      Shipment Date

#### TRANSPORTER

Truck No.: A m 21  
 Transporter Name: Matthew HoPE  
 Address: Satch Miss

Transporter Phone No.: (662) - 550 - 651A  
 Driver Name (print): DANNY L. WILLARD  
 Vehicle License No./State: A-33247  
 Vehicle Certification: 450 27 ?

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Danny L. Willard 11/21/02      Danny L. Willard 11/21/02  
 Signature      Pickup Date      Signature      Delivery Date

#### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664  
 Discrepancies: \_\_\_\_\_

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.  
F.C. Boyd      F.C. Boyd      11/21/02  
 Name (print)      Signature      Receipt Date

**010690**

TOTAL TO DATE: \_\_\_\_\_

DRIVER PLEASE SIGN HERE

*Tim Bilbro*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176593

ORIGINAL

				DATE
MATTHEWS TRUCKING	TB1	Tammy	06:45:18 A	06:45:18 11/22/2002

HEPACO HEPACO GROSS Lbs: 87,740.00  
 Tare Lbs: 28,340.00  
 Net Lbs: 59,400.00  
 HEPACO All Adjustments: 0.00  
 2275 AIRPORT INTERCHANGE AVE. Adjusted Lbs: 59,400.00

MEMPHIS TN 38312 Adjusted Tons: 29.70

\*\*\*\*We will be closed Thursday November 28 in observance of  
 Thanksgiving. We will reopen on Friday November 29 with normal  
 hours.\*\*\*\*\*

SOURCES OTHER INFORMATION

RED PANTHER/C/DALE  
 Destination:  
 WM TUNICA LANDFILL  
 CU4849 000110  
 outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/ SAND/ DEBRIS/ SLAG	29.70	TON	\$21.00	\$623.70
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$623.70

The Relizon Company



# THE TUNICA LANDFILL

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

#### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 Watkins  
Memphis, TN.  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent: Agent W. Mc - URS Signature: \_\_\_\_\_ Shipment Date: 11/21/02

#### TRANSPORTER

Truck No.: TB1  
 Transporter Name: Bilbro Truckery  
 Address: SARAH'S

Transporter Phone No.: \_\_\_\_\_  
 Driver Name (print): Tim Bilbro  
 Vehicle License No./State: A321259  
 Vehicle Certification: 801237

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: Tim Bilbro Pickup Date: 11/21/02

Signature: Tim Bilbro Delivery Date: 11/21/02

#### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): Tammy Red Signature: Tammy Red Receipt Date: 11/21/02

010695

TOTAL TO DATE: 29.75

DRIVER PLEASE SIGN HERE

Tim Bilbo

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176582

ORIGINAL

MATTHEWS TRUCKING	TB1	Francis	03:55:12 P	03:55:12	11/21/2002
HEPACO	HEPACO			GROSS Lbs:	84,240.00
				Tare Lbs:	28,340.00
				Net Lbs:	55,900.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	55,900.00
MEMPHIS	TN	38312		Adjusted Tons:	27.95
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

SOURCE	OTHER INFORMATION
RED PANTHER/C/DALE	
Destination:	
WM TUNICA LANDFILL	
CU4849	000110
	outside

DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 ( CON.) SOIL/ SAND/ DEBRIS/ SLAG	27.95	TON	\$21.00	\$586.95
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$586.95

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The Reliston Company

# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

114002

### GENERATOR

Name of Generator: Hepaco, Inc  
 Address: 4000 N. Watkins  
Memphis, TN. 380127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified packaged, and is in proper condition for transportation according to applicable regulations.

Albert C. ... - URS ...  
... Red Panther Chemical  
 Generator Authorized Agent Signature: \_\_\_\_\_ Shipment Date: 11/21/02

### TRANSPORTER

Truck No.: TB1  
 Transporter Name: B. I. Die Trucking  
 Address: SARAHMS  
 Transporter Phone No.: \_\_\_\_\_  
 Driver Name (print): Tim Bilbo  
 Vehicle License No./State: A 311259  
 Vehicle Certification: 801257

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: Tim Bilbo Pickup Date: 11/21/02  
 Signature: Tim Bilbo Delivery Date: 11/21/02

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill Phone No.: 1-877-989-2783  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): Tammy Reed Signature: Tammy Reed Receipt Date: 11/21/02

010693

TOTAL TO DATE: 27.95

DRIVER: PLEASE SIGN HERE

*L. O.*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
677-989-2783

176666

ORIGINAL

TRUCKER	TRUCK	DRIVER	ARRIVAL	DEPARTURE	DATE
MATTHEWS TRUCKING	18	Francis	02:44:09 P	03:20:11	11/22/2002

HEPACO	HEPACO		GROSS Lbs:	57,140.00
			Tare Lbs:	34,080.00
			Net Lbs:	23,060.00
HEPACO			All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.			Adjusted Lbs:	23,060.00
MEMPHIS	TN	38312	Adjusted Tons:	11.53
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****				

SOURCES	OTHER INFORMATION
RED PANTHER/C/DALE Destination: WM TUNICA LANDFILL CU4649	000110  outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
C9721 \ CON./ SOIL/SAND/DEBRIS/SLAG	11.53	TON	\$21.00	\$242.13
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$242.13

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The Reitzel Company

HHHH

# THE TUNICA LANDFILL #17666

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc Waste Generation Location: Red Panther Chemical  
 Address: 4000 N Watkins Address: 550 Patton  
Memphis TN 38127 Clarksdale MS  
 Phone No.: (901) 345-6333 Phone No.: (601) 481-2948  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applk state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, class and packaged, and is in proper condition for transportation according to applicable regulations.

Albert Cole - WRS AI Agent for Red Panther TRP Group Albert W. [Signature] - WRS 11, 22, 02  
 Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: RA18 Transporter Phone No.: (662) 560-6516  
 Transporter Name: Matthews Driver Name (print): Tim Oliver  
 Address: SAK. H. MS Vehicle License No./State: \_\_\_\_\_  
 Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above. With my signature, I certify that the above named material delivered without incident to the destination listed below.

[Signature] 11, 22, 02 \_\_\_\_\_ 11-11-02  
 Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill Phone No.: 1-877-989-2783  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and acc

F.C. Boyd F.C. Boyd 11, 22, 02  
 Name (print) Signature Receipt Date

**010697**

**TOTAL TO DATE:**

*Tim B. [unclear]*

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6025 Bowdre Rd.  
 Robinsonville, MS 38664  
 677-989-2783

176663

ORIGINAL

MATTHEWS TRUCKING	TB1	Francis	02:48:37 P	02:48:37	11/22/2002
HEPACO	HEPACO			GROSS Lbs:	82,480.00
				Tare Lbs:	28,340.00
				Net Lbs:	54,140.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	54,140.00
MEMPHIS	TN	38312		Adjusted Tons:	27.07
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

SOURCE		OTHER INFORMATION			
RED PANTHER/C/DALE	Destination:				
	WM TUNICA LANDFILL				
CU4849			000110		
			outside		

DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CS121 (CON.) SOIL/SAND/DEBRIS/SLAG	27.07	TON	\$21.00	\$568.47
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$568.47

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The Helixon Company

# WM THE TUNICA LANDFILL

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

#### GENERATOR

Name of Generator: Hepco, Inc.  
 Address: 400 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

David Moore as agent for Red Panther David Moore 11/22/02  
 Generator Authorized Agent Signature Shipment Date

#### TRANSPORTER

Truck No.: TB 1  
 Transporter Name: Billbird  
 Address: SARATHEMS

Transporter Phone No.: \_\_\_\_\_  
 Driver Name (print): Tim Billbird  
 Vehicle License No./State: A 34259  
 Vehicle Certification: 801257

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tim Billbird 11/22/02  
 Signature Pickup Date

Tim Billbird 11/22/02  
 Signature Delivery Date

#### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

F.C. Boyd F.C. Boyd 11/22/02  
 Name (print) Signature Receipt Date

010698

TOTAL TO DATE:

DRIVER: PLEASE SIGN HERE

*Ray Leonard*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176643

ORIGINAL

MATTHEWS TRUCKING	11	Francis	12:22:03 P	12:22:03	11/22/2002
HEPACO	HEPACO			GROSS Lbs:	100,880.00
				Tare Lbs:	28,600.00
				Net Lbs:	72,280.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	72,280.00
MEMPHIS	TN	38312		Adjusted Tons:	36.14
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

SOURCES	OTHER INFORMATION
REE PANTHER/C/DALE	
Destination:	
WM TUNICA LANDFILL	
CU4849	000110
	outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CON./ SOIL/ SAND/ DEBRIS/ SLAG	36.14	TON	\$21.00	\$758.94
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$758.94





# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

1176053

### GENERATOR

Name of Generator: H&PACO Inc.

Address: 4000 N WATKINS  
Memphis, TN 38127

Phone No.: (901) 345-6333

Waste ID. Code No.: \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther chemical

Address: 550 PATTON  
CLARKSDALE, MS.

Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>NON REGULATED SOLID</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole URS, Inc.  
Agent for Red Panther PRP  
Generator Authorized Agent 6-2002

[Signature]  
Signature

11/22/02  
Shipment Date

### TRANSPORTER

Truck No.: Rm 11

Transporter Name: MATTHEWS + KOPF

Address: 1250 Matthews Dr  
FARAH MS.

Transporter Phone No.: (662) 5606516

Driver Name (print): GARY REMARD

Vehicle License No./State: \_\_\_\_\_

Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

[Signature]  
Signature 11/22/02  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

\_\_\_\_\_  
Signature 11/22/02  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and correct.

F.C. Beard  
Name (print)

[Signature]  
Signature

11/22/02  
Receipt Date

**008395**

TOTAL TO DATE: \_\_\_\_\_

DRIVER: PLEASE SIGN HERE

*L. Tomberly*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

TICKET NUM  
176612

ORIGINAL

MATTHEWS TRUCKING	14	Tammy	08:40:19 A	08:40:19	11/22/2002
HEPACO	HEPACO			GROSS Lbs:	94,300.00
30YARD				Tare Lbs:	31,740.00
HEPACO				Net Lbs:	62,560.00
2275 AIRPORT INTERCHANGE AVE.				All Adjustments:	0.00
				Adjusted Lbs:	62,560.00
MEMPHIS	TN	38312		Adjusted Tons:	31.28
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

SOURCES	OTHER INFORMATION
RED PANTHER/C/DALE	
Destination:	
WM TUNICA LANDFILL	
CU4849	000110
30	30YARD
	outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	31.28	TON	\$21.00	\$656.88
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$656.88

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The Relizon Company

HHHH

HHHH



# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

176612

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: HEACO, INC  
 Address: 4000 N. Watkins  
Memphis, TN 38127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Site  
 Address: 550 Patton  
Clarksdale, Ms.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non-Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applical state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classifi and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole, JR  
As Agent for Red Panther PR & Co  
 Generator Authorized Agent Signature \_\_\_\_\_ Shipment Date 11/22/02

### TRANSPORTER

Truck No.: RM 14  
 Transporter Name: Matthews & Hopt  
 Address: Sarob, Ms

Transporter Phone No.: (662) 560-6516  
 Driver Name (print): L. Tankersley  
 Vehicle License No./State: \_\_\_\_\_  
 Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material v delivered without incident to the destination listed below.

L. Tankersley Signature \_\_\_\_\_ 11/22/02 Pickup Date \_\_\_\_\_ Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664  
 Discrepancies: \_\_\_\_\_

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accur

Tammy Red Name (print) \_\_\_\_\_ Tammy Red Signature \_\_\_\_\_ 11/22/02 Receipt Date \_\_\_\_\_

008398

TOTAL TO DATE: 31.28



# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc  
 Address: 4008 N. Watkins  
Memphis, TN, 38127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS.  
 Phone No.: (901) 481-2948

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole - U.S. As Agent  
for the Red Panther PRP Group  
 Generator Authorized Agent

[Signature]  
 Signature

11, 21, 02  
 Shipment Date

### TRANSPORTER

Truck No.: RM 11  
 Transporter Name: MATTHEWS + KCFP  
 Address: 1250 MATTHEWS DR.  
SARAH MS.

Transporter Phone No.: (662) 560 6516  
 Driver Name (print): GARY LEONARD  
 Vehicle License No./State: \_\_\_\_\_  
 Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 11, 22, 02  
 Signature Pickup Date

\_\_\_\_\_  
 Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Tommy Red  
 Name (print)

[Signature]  
 Signature

11, 22, 02  
 Receipt Date

010689

TOTAL TO DATE: 31.83

DRIVER, PLEASE SIGN HERE

*Ray Linder*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176603

ORIGINAL

MATTHEWS TRUCKING	11	Tanny	08:01:03 A	08:01:03	11/22/2002
-------------------	----	-------	------------	----------	------------

HEPACO HEPACO

GROSS Lbs: 92,260.00

Tare Lbs: 28,600.00

Net Lbs: 63,660.00

HEPACO

All Adjustments: 0.00

2275 AIRPORT INTERCHANGE AVE.

Adjusted Lbs: 63,660.00

MEMPHIS TN 38312

Adjusted Tons: 31.83

\*\*\*\*We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.\*\*\*\*\*

SOURCES OTHER INFORMATION

RED PANTHER/C/DALE

Destination:

WM TUNICA LANDFILL

CU4849

000110

outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	31.83	TON	\$21.00	\$668.43
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$668.43

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The Helixon Company



# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

15140  
1-7-02

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco Inc  
 Address: 400 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: C144P07  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther  
 Address: 550 Patton  
Clarksdale, MS  
 Phone No.: (961) 491-2944

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non-Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

David Moore Generator Authorized Agent Red Panther Signature David Moore Signature 12, 2, 02 Shipment Date

### TRANSPORTER

Truck No.: P1611  
 Transporter Name: Hepaco Inc  
 Address: 400 N. Watkins  
Memphis, TN 38127  
 Transporter Phone No.: (901) 345-6333  
 Driver Name (print): David Moore  
 Vehicle License No./State: TN. P2 36446  
 Vehicle Certification: \_\_\_\_\_

With my signature, I certify that the above material was picked up at the Generator site listed above.  
David Moore Signature 12, 2, 02 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.  
David Moore Signature 12, 2, 02 Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill Phone No.: 1-877-989-2783  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.  
F.C. Boyd Name (print) F.C. Boyd Signature 12/02/02 Receipt Date

010683

TOTAL TO DATE:



# THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

17659

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 Watkins  
Memphis, TN.  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton  
Clarksdale, MS  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

A part of the - UPS AS Agent for Red Panther PRP Group  
 Generator Authorized Agent: \_\_\_\_\_ Signature: [Signature] Shipment Date: 11/21/02

### TRANSPORTER

Truck No.: R-m-2  
 Transporter Name: Matthews + Kemp  
 Address: 1250 Matthews Dr.  
Sarah, Miss

Transporter Phone No.: (662) 560-6516  
 Driver Name (print): Billy  
 Vehicle License No./State: 11/434297  
 Vehicle Certification: 492077

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: [Signature] Pickup Date: 11/21/02  
 Signature: [Signature] Delivery Date: 11/21/02

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate

Name (print): Tammy Red Signature: [Signature] Receipt Date: 11/22/02

010694

TOTAL TO DATE: 33.25

DRIVER: PLEASE SIGN HERE

Billy

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6005 Bowdrie Rd.  
Robinsonville, MS 38664  
877-989-2783

176593

ORIGINAL

MATTHEWS TRUCKING      2      Tammy      06:29:59 A      06:29:59      11/22/2002

HEPACO      HEPACO      GROSS Lbs:      96,600.00  
Tare Lbs:      30,100.00  
Net Lbs:      66,500.00  
HEPACO      All Adjustments:      0.00  
2275 AIRPORT INTERCHANGE AVE.      Adjusted Lbs:      66,500.00  
MEMPHIS      TN      38312      Adjusted Tons:      33.25

\*\*\*\*We will be closed Thursday November 28 in observance of  
Thanksgiving. We will reopen on Friday November 29 with normal  
hours.\*\*\*\*\*

SOURCE      OTHER INFORMATION

RED PANTHER/C/DALE  
Destination:  
WM TUNICA LANDFILL  
CU4849      000110  
outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 CON./ SOIL/SAND/DEBRIS/SLAG	33.25	TON	\$21.00	\$698.25
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$698.25

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The Relison Company



# WM THE TUNICA LANDFILL

## A WASTE MANAGEMENT COMPANY

### NON-HAZARDOUS WASTE MANIFEST

#### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345-6333  
 Waste ID. Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 500 Patton  
Clarksdale, MS.  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Non Regulated Solids		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Albert W. Cole - URS  
As Agent for Red Panther PRP Group  
 Generator Authorized Agent  
Albert W. Cole - URS  
 Signature  
11/13/02  
 Shipment Date

#### TRANSPORTER

Truck No.: 1275  
 Transporter Name: M. Jones - TRP  
 Address: Forest Hill

Transporter Phone No.: (662) 835-6516  
 Driver Name (print): \_\_\_\_\_  
 Vehicle License No./State: 9975  
 Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Michael Jones  
 Signature  
 Pickup Date  
Michael Jones  
 Signature  
 Delivery Date

#### DESTINATION

Site Name: Trash Hunters of Tunica, Inc dba The Tunica Landfill Phone No.: 1-877-989-2783  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.  
Tommy Red  
 Name (print) Signature  
11/13/02  
 Receipt Date

010507

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 25.79  
TONS

DRIVER: PLEASE SIGN HERE

*Jackie Beh*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
877-989-2783

176054

MANUAL  
ORIGINAL

MATTHEWS TRUCKING	5	Tassy	11:01:03 A	11:01:03	11/13/2002
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HEPACO	HEPACO	GROSS Lbs:	80,580.00	
		Tare Lbs:	29,000.00	
		Net Lbs:	51,580.00	
HEPACO		All Adjustments:	0.00	
2275 AIRPORT INTERCHANGE AVE.		Adjusted Lbs:	51,580.00	
MEMPHIS	TN	38312	Adjusted Tons:	25.79

\*\*\*\*We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.\*\*\*\*\*

OTHER INFORMATION

RED PANTHER/C/DALE  
Destination:  
WM TUNICA LANDFILL  
CU4849 000110  
outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	25.79	TON	\$21.00	\$541.59
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$541.59

The Reltron Company

# WM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Hepaco, Inc.  
 Address: 4000 N. Watkins  
Memphis, TN. 38127  
 Phone No.: (901) 345-6333  
 Waste ID Code No.: \_\_\_\_\_  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther Chemical  
 Address: 550 Patton St.  
Clarksdale, TN. 3  
 Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non-Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Albert W Cole as Agent for  
the Red Panther PRP Group  
 Generator Authorized Agent

Albert W. Cole - URS  
 Signature

11/12/02  
 Shipment Date

### TRANSPORTER

Truck No.: Rm 15  
 Transporter Name: Matthews & Kopf  
 Address: 1250 Matthews Rd.  
Sarah MS

Transporter Phone No.: (662) 560-6516  
 Driver Name (print): John DeLoach  
 Vehicle License No./State: 31723  
 Vehicle Certification: 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

John DeLoach  
 Signature 11/12/02  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

John DeLoach  
 Signature 1/1  
 Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill  
 Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

F.C. Bond  
 Name (print)

F.C. Bond  
 Signature

11/12/02  
 Receipt Date

! **010680**

TOTAL TO DATE: 27.3670

DRIVER: PLEASE SIGN HERE

*John DuBois*

Waste Management Of Tunica Inc.  
The Tunica Landfill  
6035 Bowdre Rd.  
Robinsonville, MS 38664  
677-989-2783

TICKET NUMBER  
176010

ORIGINAL

TRUCKER				DATE	
MATTHEWS TRUCKING	15	Francis	04:00:13 P	04:00:13	11/12/2002
HEPACO	HEPACO			GROSS Lbs:	87,400.00
				Tare Lbs:	32,680.00
				Net Lbs:	54,720.00
HEPACO				All Adjustments:	0.00
2275 AIRPORT INTERCHANGE AVE.				Adjusted Lbs:	54,720.00
MEMPHIS	TN	38312		Adjusted Tons:	27.36
****We will be closed Thursday November 28 in observance of Thanksgiving. We will reopen on Friday November 29 with normal hours.*****					

SOURCE	OTHER INFORMATION
RED PANTHER/C/DALE	
Destination:	
WM TUNICA LANDFILL	
CU4849	000110
	outside

MATERIAL CODE / DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	27.36	TON	\$21.00	\$574.56
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$574.56

8723833pc.qxd (1-3) F

The Reliston Company

# WWM THE TUNICA LANDFILL

A WASTE MANAGEMENT COMPANY  
NON-HAZARDOUS WASTE MANIFEST

#178730

### GENERATOR

Name of Generator: Hepaco, Inc.  
Address: 4000 N. Watkins  
Memphis, TN 38127  
Phone No.: (901) 345-6333  
Waste ID. Code No.: CL4849  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: Red Panther  
Address: 550 Patton  
Clarksdale, MS  
Phone No.: (901) 481-2948

Trash Hunters of Tunica dba THE TUNICA LANDFILL Permit # SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Non Regulated Solids</u>		<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input type="checkbox"/> Carton <input type="checkbox"/> Bag <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

David Moore as agent for Red Panther Generator Authorized Agent  
David Moore Signature  
12, 27, 02 Shipment Date

### TRANSPORTER

Truck No.: Bma1  
Transporter Name: Matthews  
Address: Satcha Miss

Transporter Phone No.: (662) 560-6516  
Driver Name (print): DANNY L. WELLS  
Vehicle License No./State: A-33447  
Vehicle Certification: 067490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Danny L. Wells Signature 12, 27, 02 Pickup Date  
Danny L. Wells Signature 12, 27, 02 Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Ins dba The Tunica Landfill  
Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate

F.C. Bond Name (print) F.C. Bond Signature 12, 27, 02 Receipt Date

NO: 006531

TOTAL TO DATE: \_\_\_\_\_

DRIVER: PLEASE SIGN HERE

TICKET NBR

178923

Waste Management Of Tunica Inc.  
 The Tunica Landfill  
 6025 Bowdye Rd.  
 Robinsonville, MS 38664  
 877-989-2783

MANUAL ORIGINAL

TRUCKER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
MATTHEWS TRUCKING	21	TERRY	08:38:20 A	08:38:20	12/27/2002
HEPACO	HEPACO				
				GROSS Lbs:	86,020.00
				Tare Lbs:	27,840.00
				Net Lbs:	58,180.00
HEPACO				All Adjustments:	0.00
4000 NORTH WATKINS				Adjusted Lbs:	58,180.00
MEMPHIS	TN	38127		Adjusted Tons:	29.09
WE WILL BE CLOSED NEW YEARS DAY JAN. 1st. AND WILL REOPEN JAN. 2nd. HAVE A SAFE NEW YEAR !!!!!					
SOURCE			OTHER INFORMATION		

RED PANTHER/C/DALE

Destination:

WM TUNICA LANDFILL

CU4849

RED PANTHER

2006-19

outside

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
CST21 \ CON./ SOIL/SAND/DEBRIS/SLAG	29.09	TON	\$21.00	\$610.89
TOTAL FEES				0.00
TOTAL TAX				0.00
TOTAL AMOUNT				\$610.89

The Paltrn Company



**Appendix H**

**Borrow Material Analytical Data**





# TestAmerica

INCORPORATED

11/15/02

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

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project

RED PANTHER. The Laboratory Project number is 308935.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
SBP-01	02-A186013	11/12/02

A2LA certification number 0453.07 for analysis of wastewater and solid/hazardous waste effective 09/30/99-12/31/03.  
NELAC/Florida certification number E87358 for analysis of environmental water, soil/hazardous waste, and drinking water effective 07/01/99-06/30/03.

These results relate only to the items tested.  
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Alexander Lane Report Date: 11/15/02

Paul E. Lane, Jr., Lab Director  
Michael H. Dunn, M.S., Technical Director  
Johnny A. Mitchell, Dir. Technical Serv.  
Eric S. Smith, Assistant Technical Director  
Roxanne L. Connor, Technical Services

Gail A. Lage, Technical Serv.  
Glenn L. Norton, Technical Serv.  
Kelly S. Comstock, Technical Serv.  
Pamela A. Langford, Technical Serv.

## ANALYTICAL REPORT

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

Lab Number: 02-A186013  
 Sample ID: SBP-01  
 Sample Type: Soil  
 Site ID:

Project:  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 11/12/02  
 Time Collected: 8:40  
 Date Received: 11/13/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*VOLATILE ORGANICS*</b>									
Acetone	ND	mg/kg	0.0312	1	11/13/02	23:10	J. Adams	8260B	814
Benzene	ND	mg/kg	0.0012	1	11/13/02	23:10	J. Adams	8260B	814
Bromobenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Bromochloromethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Bromoform	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Bromomethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
2-Butanone	ND	mg/kg	0.0312	1	11/13/02	23:10	J. Adams	8260B	814
n-Butylbenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
sec-Butylbenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
t-Butylbenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Carbon disulfide	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Carbon tetrachloride	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Chlorobenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Chloroethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Chloroform	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Chloromethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
2-Chlorotoluene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
4-Chlorotoluene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.00625	1	11/13/02	23:10	J. Adams	8260B	814
Dibromochloromethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,2-Dibromoethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Dibromomethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,2-Dichlorobenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,3-Dichlorobenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A186013  
 Sample ID: SBP-01  
 Project:  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Dichlorodifluoromethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,1-Dichloroethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,2-Dichloroethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,1-Dichloroethene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
cis-1,2-Dichloroethene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
trans-1,2-Dichloroethene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,2-Dichloropropane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,3-Dichloropropane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
2,2-Dichloropropane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,1-Dichloropropene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
cis-1,3-Dichloropropene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
trans-1,3-Dichloropropene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Ethylbenzene	ND	mg/kg	0.0012	1	11/13/02	23:10	J. Adams	8260B	814
Hexachlorobutadiene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
2-Hexanone	ND	mg/kg	0.00625	1	11/13/02	23:10	J. Adams	8260B	814
Isopropylbenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
4-Isopropyltoluene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
4-Methyl-2-pentanone	ND	mg/kg	0.00625	1	11/13/02	23:10	J. Adams	8260B	814
Methylene chloride	ND	mg/kg	0.00312	1	11/13/02	23:10	J. Adams	8260B	814
Naphthalene	ND	mg/kg	0.00312	1	11/13/02	23:10	J. Adams	8260B	814
n-Propylbenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Styrene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Tetrachloroethene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Toluene	ND	mg/kg	0.0012	1	11/13/02	23:10	J. Adams	8260B	814
1,2,3-Trichlorobenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,2,4-Trichlorobenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,1,1-Trichloroethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,1,2-Trichloroethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Trichloroethene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,2,3-Trichloropropane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
1,2,4-Trimethylbenzene	ND	mg/kg	0.0012	1	11/13/02	23:10	J. Adams	8260B	814

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A186013

Sample ID: SBP-01

Project:

Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3,5-Trimethylbenzene	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Vinyl chloride	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Xylenes (Total)	ND	mg/kg	0.0012	1	11/13/02	23:10	J. Adams	8260B	814
Bromodichloromethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
Trichlorofluoromethane	ND	mg/kg	0.00125	1	11/13/02	23:10	J. Adams	8260B	814
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
a-BHC	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
b-BHC	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
d-BHC	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
g-BHC, Lindane	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
4,4'-DDD	ND	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
4,4'-DDE	ND	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
4,4'-DDT	0.0080	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
Dieldrin	ND	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
Endosulfan I	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
Endosulfan II	ND	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
Endosulfan sulfate	ND	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
Endrin	ND	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
Endrin aldehyde	ND	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
Endrin Ketone	ND	mg/kg	0.0033	1	11/14/02	19:39	Henderson	8081A	923
Heptachlor	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
Heptachlor epoxide	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
Methoxychlor	ND	mg/kg	0.0166	1	11/14/02	19:39	Henderson	8081A	923
Toxaphene	ND	mg/kg	0.166	1	11/14/02	19:39	Henderson	8081A	923
alpha-Chlordane	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
gamma-Chlordane	ND	mg/kg	0.0017	1	11/14/02	19:39	Henderson	8081A	923
<b>*METALS*</b>									
Arsenic	4.92	mg/kg	0.98	1	11/14/02	10:40	G. McCord	6010B	9783
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	85.2	%			11/13/02	14:30	K. Keller	CLP	9791

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 02-A186013  
 Sample ID: SBP-01  
 Project:  
 Page 4

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	11/13/02		M. Lax	3550
Volatile Organics	8.0 g	5.0 ml	11/12/02	8:40	K. Turner	5035

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	56. - 155.
VOA Surr Toluene-d8	98.	79. - 130.
VOA Surr, 4-BFB	101.	62. - 155.
VOA Surr, DBFM	103.	74. - 127.
pest surr-TCMX	92.	48. - 132.
pest surr-DCB	88.	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 results reported on a wet weight basis.

End of Sample Report.

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 1**

**Laboratory Receipt Date: 11/13/02**

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sam
**VOA PARAMETERS**								
Benzene	mg/kg	< 0.0020	0.0502	0.0500	100	63. - 133.	814	blank
Chlorobenzene	mg/kg	< 0.00200	0.0463	0.0500	93	65. - 129.	814	blank
1,1-Dichloroethene	mg/kg	< 0.00200	0.0536	0.0500	107	68. - 130.	814	blank
Toluene	mg/kg	< 0.0020	0.0478	0.0500	96	61. - 131.	814	blank
Trichloroethene	mg/kg	< 0.00200	0.0466	0.0500	93	62. - 131.	814	blank

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sam
**PEST/PCB/HERB PARAMETERS**								
Aldrin	mg/kg	< 0.0017	0.0143	0.0167	86	49. - 154.	923	02-A1856
g-BHC, Lindane	mg/kg	< 0.0017	0.0143	0.0167	86	46. - 159.	923	02-A1856
4,4' DDT	mg/kg	< 0.0033	0.0127	0.0167	76	44. - 163.	923	02-A1856
Dieldrin	mg/kg	< 0.0033	0.0150	0.0167	90	42. - 164.	923	02-A1856
Endrin	mg/kg	< 0.0033	0.0137	0.0167	82	53. - 149.	923	02-A1856
Heptachlor	mg/kg	< 0.0017	0.0153	0.0167	92	53. - 149.	923	02-A1856

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 2**

**Laboratory Receipt Date: 11/13/02**

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sampl
-----	-----	-----	-----	-----	-----	-----	-----	-----

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sampl
-----	-----	-----	-----	-----	-----	-----	-----	-----

**\*\*METALS\*\***

Arsenic	mg/kg	4.92	22.4	20.0	87	80 - 120	9783	Duplicate
---------	-------	------	------	------	----	----------	------	-----------

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----

**\*\*VOA PARAMETERS\*\***

Benzene	mg/kg	0.0502	0.0526	4.67	19.	814
Chlorobenzene	mg/kg	0.0463	0.0482	4.02	26.	814
1,1-Dichloroethene	mg/kg	0.0536	0.0541	0.93	18.	814
Toluene	mg/kg	0.0478	0.0497	3.90	28.	814
Trichloroethene	mg/kg	0.0466	0.0475	1.91	21.	814

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----

**\*\*PEST/PCB/HERB PARAMETERS\*\***

Aldrin	mg/kg	0.0143	0.0143	0.00	25.	923
--------	-------	--------	--------	------	-----	-----

Project QC continued . . .



**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 3**

**Laboratory Receipt Date: 11/13/02**

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
g-BHC, Lindane	mg/kg	0.0143	0.0140	2.12	28.	923
4,4' DDT	mg/kg	0.0127	0.0127	0.00	36.	923
Dieldrin	mg/kg	0.0150	0.0147	2.02	24.	923
Endrin	mg/kg	0.0137	0.0176	24.92	25.	923
Heptachlor	mg/kg	0.0153	0.0147	4.00	30.	923

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
**METALS**						
Arsenic	mg/kg	22.4	22.8	1.77	20	9783

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**VOA PARAMETERS**						
Acetone	mg/kg	0.250	0.292	117	50 - 154	814
Benzene	mg/kg	0.0500	0.0551	110	77 - 123	814
Bromobenzene	mg/kg	0.0500	0.0555	111	72 - 121	814
Bromochloromethane	mg/kg	0.0500	0.0626	125 #	80 - 125	814
Bromoform	mg/kg	0.0500	0.0644	129 #	67 - 125	814
Bromomethane	mg/kg	0.0500	0.0536	107	47 - 156	814
2-Butanone	mg/kg	0.250	0.288	115	61 - 143	814
n-Butylbenzene	mg/kg	0.0500	0.0584	117	48 - 140	814
sec-Butylbenzene	mg/kg	0.0500	0.0578	116	68 - 126	814
t-Butylbenzene	mg/kg	0.0500	0.0581	116	72 - 124	814
Carbon disulfide	mg/kg	0.0500	0.0569	114	74 - 129	814
Carbon tetrachloride	mg/kg	0.0500	0.0550	110	74 - 129	814

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 4**

**Laboratory Receipt Date: 11/13/02**

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Chlorobenzene	mg/kg	0.0500	0.0549	110	74 - 124	814
Chloroethane	mg/kg	0.0500	0.0534	107	67 - 164	814
Chloroform	mg/kg	0.0500	0.0529	106	79 - 121	814
Chloromethane	mg/kg	0.0500	0.0642	128	39 - 147	814
2-Chlorotoluene	mg/kg	0.0500	0.0554	111	67 - 127	814
4-Chlorotoluene	mg/kg	0.0500	0.0557	111	62 - 130	814
1,2-Dibromo-3-chloropropane	mg/kg	0.0500	0.0596	119	60 - 138	814
Dibromochloromethane	mg/kg	0.0500	0.0588	118	73 - 129	814
1,2-Dibromoethane	mg/kg	0.0500	0.0616	123	70 - 131	814
Dibromomethane	mg/kg	0.0500	0.0622	124	77 - 130	814
1,2-Dichlorobenzene	mg/kg	0.0500	0.0569	114	67 - 125	814
1,3-Dichlorobenzene	mg/kg	0.0500	0.0567	113	59 - 129	814
1,4-Dichlorobenzene	mg/kg	0.0500	0.0588	118	57 - 130	814
Dichlorodifluoromethane	mg/kg	0.0500	0.0681	136	44 - 148	814
1,1-Dichloroethane	mg/kg	0.0500	0.0563	113	76 - 126	814
1,2-Dichloroethane	mg/kg	0.0500	0.0561	112	71 - 133	814
1,1-Dichloroethene	mg/kg	0.0500	0.0558	112	79 - 122	814
cis-1,2-Dichloroethene	mg/kg	0.0500	0.0606	121	77 - 125	814
trans-1,2-Dichloroethene	mg/kg	0.0500	0.0564	113	76 - 124	814
1,2-Dichloropropane	mg/kg	0.0500	0.0564	113	76 - 127	814
1,3-Dichloropropane	mg/kg	0.0500	0.0582	116	78 - 125	814
2,2-Dichloropropane	mg/kg	0.0500	0.0618	124	68 - 129	814
1,1-Dichloropropene	mg/kg	0.0500	0.0545	109	80 - 120	814
cis-1,3-Dichloropropene	mg/kg	0.0500	0.0556	111	82 - 120	814
trans-1,3-Dichloropropene	mg/kg	0.0500	0.0566	113	78 - 123	814
Ethylbenzene	mg/kg	0.0500	0.0564	113	73 - 134	814
Hexachlorobutadiene	mg/kg	0.0500	0.0611	122	51 - 136	814
2-Hexanone	mg/kg	0.250	0.321	128	65 - 143	814
Isopropylbenzene	mg/kg	0.0500	0.0554	111	72 - 124	814
4-Isopropyltoluene	mg/kg	0.0500	0.0565	113	62 - 129	814
4-Methyl-2-pentanone	mg/kg	0.250	0.302	121	68 - 142	814
Methylene chloride	mg/kg	0.0500	0.0558	112	66 - 136	814

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 5**

**Laboratory Receipt Date: 11/13/02**

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/kg	0.0500	0.0600	120	54 - 135	814
n-Propylbenzene	mg/kg	0.0500	0.0548	110	65 - 129	814
Styrene	mg/kg	0.0500	0.0564	113	71 - 126	814
1,1,1,2-Tetrachloroethane	mg/kg	0.0500	0.0562	112	77 - 127	814
1,1,2,2-Tetrachloroethane	mg/kg	0.0500	0.0627	125	67 - 139	814
Tetrachloroethene	mg/kg	0.0500	0.0562	112	67 - 127	814
Toluene	mg/kg	0.0500	0.0532	106	76 - 120	814
1,2,3-Trichlorobenzene	mg/kg	0.0500	0.0583	117	46 - 140	814
1,2,4-Trichlorobenzene	mg/kg	0.0500	0.0617	123	37 - 145	814
1,1,1-Trichloroethane	mg/kg	0.0500	0.0545	109	75 - 128	814
1,1,2-Trichloroethane	mg/kg	0.0500	0.0564	113	73 - 131	814
Trichloroethene	mg/kg	0.0500	0.0540	108	78 - 121	814
1,2,3-Trichloropropane	mg/kg	0.0500	0.0636	127	66 - 138	814
1,2,4-Trimethylbenzene	mg/kg	0.0500	0.0557	111	63 - 126	814
1,3,5-Trimethylbenzene	mg/kg	0.0500	0.0563	113	66 - 128	814
Vinyl chloride	mg/kg	0.0500	0.0590	118	67 - 131	814
Xylenes (Total)	mg/kg	0.150	0.166	111	75 - 123	814
Bromodichloromethane	mg/kg	0.0500	0.0564	113	81 - 125	814
Trichlorofluoromethane	mg/kg	0.0500	0.0564	113	37 - 134	814

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**PEST/PCB/HERB PARAMETERS**						
Aldrin	mg/kg	0.0167	0.0153	92	61 - 151	923
a-BHC	mg/kg	0.0167	0.0160	96	60 - 154	923
b-BHC	mg/kg	0.0167	0.0157	94	62 - 146	923
d-BHC	mg/kg	0.0167	0.0150	90	14 - 174	923
g-BHC, Lindane	mg/kg	0.0167	0.0150	90	59 - 153	923
4,4'-DDD	mg/kg	0.0167	0.0157	94	60 - 154	923

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 6**

**Laboratory Receipt Date: 11/13/02**

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
4,4'-DDE	mg/kg	0.0167	0.0150	90	59 - 150	923
4,4'-DDT	mg/kg	0.0167	0.0147	88	55 - 148	923
Dieldrin	mg/kg	0.0167	0.0160	96	64 - 146	923
Endosulfan I	mg/kg	0.0167	0.0140	84	55 - 152	923
Endosulfan II	mg/kg	0.0167	0.0147	88	56 - 150	923
Endosulfan sulfate	mg/kg	0.0167	0.0180	108	56 - 150	923
Endrin	mg/kg	0.0167	0.0160	96	61 - 151	923
Endrin aldehyde	mg/kg	0.0167	0.0130	78	62 - 151	923
Endrin Ketone	mg/kg	0.0167	0.0147	88	63 - 145	923
Heptachlor	mg/kg	0.0167	0.0163	98	61 - 147	923
Heptachlor epoxide	mg/kg	0.0167	0.0147	88	61 - 147	923
Methoxychlor	mg/kg	0.0167	0.0196	117	57 - 147	923
Toxaphene	mg/kg	0.333	0.306	92	64 - 154	923
alpha-Chlordane	mg/kg	0.0167	0.0140	84	64 - 141	923
gamma-Chlordane	mg/kg	0.0167	0.0147	88	62 - 145	923

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**METALS**						
Arsenic	mg/kg	20.0	18.6	93	80 - 120	9783

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**METALS**						

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 7**

**Laboratory Receipt Date: 11/13/02**

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----					
**VOA PARAMETERS**					
Acetone	< 0.0500	mg/kg	814	11/13/02	16:12
Benzene	< 0.0020	mg/kg	814	11/13/02	16:12
Bromobenzene	< 0.00200	mg/kg	814	11/13/02	16:12
Bromochloromethane	< 0.00200	mg/kg	814	11/13/02	16:12
Bromoform	< 0.00200	mg/kg	814	11/13/02	16:12
Bromomethane	< 0.00200	mg/kg	814	11/13/02	16:12
2-Butanone	< 0.0500	mg/kg	814	11/13/02	16:12
n-Butylbenzene	< 0.00200	mg/kg	814	11/13/02	16:12
sec-Butylbenzene	< 0.00200	mg/kg	814	11/13/02	16:12
t-Butylbenzene	< 0.00200	mg/kg	814	11/13/02	16:12
Carbon disulfide	< 0.00200	mg/kg	814	11/13/02	16:12
Carbon tetrachloride	< 0.00200	mg/kg	814	11/13/02	16:12
Chlorobenzene	< 0.00200	mg/kg	814	11/13/02	16:12
Chloroethane	< 0.00200	mg/kg	814	11/13/02	16:12
Chloroform	< 0.00200	mg/kg	814	11/13/02	16:12
Chloromethane	< 0.00200	mg/kg	814	11/13/02	16:12
2-Chlorotoluene	< 0.00200	mg/kg	814	11/13/02	16:12
4-Chlorotoluene	< 0.00200	mg/kg	814	11/13/02	16:12
1,2-Dibromo-3-chloropropane	< 0.0100	mg/kg	814	11/13/02	16:12
Dibromochloromethane	< 0.00200	mg/kg	814	11/13/02	16:12
1,2-Dibromoethane	< 0.00200	mg/kg	814	11/13/02	16:12
Dibromomethane	< 0.00200	mg/kg	814	11/13/02	16:12
1,2-Dichlorobenzene	< 0.00200	mg/kg	814	11/13/02	16:12
1,3-Dichlorobenzene	< 0.00200	mg/kg	814	11/13/02	16:12
1,4-Dichlorobenzene	< 0.00200	mg/kg	814	11/13/02	16:12
Dichlorodifluoromethane	< 0.00200	mg/kg	814	11/13/02	16:12
1,1-Dichloroethane	< 0.00200	mg/kg	814	11/13/02	16:12
1,2-Dichloroethane	< 0.00200	mg/kg	814	11/13/02	16:12
1,1-Dichloroethene	< 0.00200	mg/kg	814	11/13/02	16:12
cis-1,2-Dichloroethene	< 0.00200	mg/kg	814	11/13/02	16:12

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 8**

**Laboratory Receipt Date: 11/13/02**

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
trans-1,2-Dichloroethene	< 0.00200	mg/kg	814	11/13/02	16:12
1,2-Dichloropropane	< 0.00200	mg/kg	814	11/13/02	16:12
1,3-Dichloropropane	< 0.00200	mg/kg	814	11/13/02	16:12
2,2-Dichloropropane	< 0.00200	mg/kg	814	11/13/02	16:12
1,1-Dichloropropene	< 0.00200	mg/kg	814	11/13/02	16:12
cis-1,3-Dichloropropene	< 0.00200	mg/kg	814	11/13/02	16:12
trans-1,3-Dichloropropene	< 0.00200	mg/kg	814	11/13/02	16:12
Ethylbenzene	< 0.0020	mg/kg	814	11/13/02	16:12
Hexachlorobutadiene	< 0.00200	mg/kg	814	11/13/02	16:12
2-Hexanone	< 0.0100	mg/kg	814	11/13/02	16:12
Isopropylbenzene	< 0.00200	mg/kg	814	11/13/02	16:12
4-Isopropyltoluene	< 0.00200	mg/kg	814	11/13/02	16:12
4-Methyl-2-pentanone	< 0.0100	mg/kg	814	11/13/02	16:12
Methylene chloride	0.00100	mg/kg	814	11/13/02	16:12
Naphthalene	< 0.00500	mg/kg	814	11/13/02	16:12
n-Propylbenzene	< 0.00200	mg/kg	814	11/13/02	16:12
Styrene	< 0.00200	mg/kg	814	11/13/02	16:12
1,1,1,2-Tetrachloroethane	< 0.00200	mg/kg	814	11/13/02	16:12
1,1,2,2-Tetrachloroethane	< 0.00200	mg/kg	814	11/13/02	16:12
Tetrachloroethene	< 0.00200	mg/kg	814	11/13/02	16:12
Toluene	< 0.0020	mg/kg	814	11/13/02	16:12
1,2,3-Trichlorobenzene	< 0.00200	mg/kg	814	11/13/02	16:12
1,2,4-Trichlorobenzene	< 0.00200	mg/kg	814	11/13/02	16:12
1,1,1-Trichloroethane	< 0.00200	mg/kg	814	11/13/02	16:12
1,1,2-Trichloroethane	< 0.00200	mg/kg	814	11/13/02	16:12
Trichloroethene	< 0.00200	mg/kg	814	11/13/02	16:12
1,2,3-Trichloropropane	< 0.00200	mg/kg	814	11/13/02	16:12
1,2,4-Trimethylbenzene	< 0.0020	mg/kg	814	11/13/02	16:12
1,3,5-Trimethylbenzene	< 0.00200	mg/kg	814	11/13/02	16:12
Vinyl chloride	< 0.00200	mg/kg	814	11/13/02	16:12
Xylenes (Total)	< 0.0020	mg/kg	814	11/13/02	16:12
Bromodichloromethane	< 0.00200	mg/kg	814	11/13/02	16:12

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 9**

**Laboratory Receipt Date: 11/13/02**

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Trichlorofluoromethane	< 0.00200	mg/kg	814	11/13/02	16:12
VOA Surr 1,2-DCA-d4	113.	µg Rec	814	11/13/02	16:12
VOA Surr Toluene-d8	101.	µg Rec	814	11/13/02	16:12
VOA Surr, 4-BFB	102.	µg Rec	814	11/13/02	16:12
VOA Surr, DBFM	100.	µg Rec	814	11/13/02	16:12

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
**PEST/PCB/HERB PARAMETERS**					
Aldrin	< 0.0017	mg/kg	923	11/14/02	15:05
a-BHC	< 0.0017	mg/kg	923	11/14/02	15:05
b-BHC	< 0.0017	mg/kg	923	11/14/02	15:05
d-BHC	< 0.0017	mg/kg	923	11/14/02	15:05
g-BHC, Lindane	< 0.0017	mg/kg	923	11/14/02	15:05
4,4'-DDD	< 0.0033	mg/kg	923	11/14/02	15:05
4,4'-DDE	< 0.0033	mg/kg	923	11/14/02	15:05
4,4'-DDT	< 0.0033	mg/kg	923	11/14/02	15:05
Dieldrin	< 0.0033	mg/kg	923	11/14/02	15:05
Endosulfan I	< 0.0017	mg/kg	923	11/14/02	15:05
Endosulfan II	< 0.0033	mg/kg	923	11/14/02	15:05
Endosulfan sulfate	< 0.0033	mg/kg	923	11/14/02	15:05
Endrin	< 0.0033	mg/kg	923	11/14/02	15:05
Endrin aldehyde	< 0.0033	mg/kg	923	11/14/02	15:05
Endrin Ketone	< 0.0033	mg/kg	923	11/14/02	15:05
Heptachlor	< 0.0017	mg/kg	923	11/14/02	15:05
Heptachlor epoxide	< 0.0017	mg/kg	923	11/14/02	15:05
Methoxychlor	< 0.0166	mg/kg	923	11/14/02	15:05
Toxaphene	< 0.166	mg/kg	923	11/14/02	15:05
alpha-Chlordane	< 0.0017	mg/kg	923	11/14/02	15:05

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Page: 10**

**Laboratory Receipt Date: 11/13/02**

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
gamma-Chlordane	< 0.0017	mg/kg	923	11/14/02	15:05
pest surr-TCMX	106.	‡ Rec	923	11/14/02	15:05
pest surr-DCB	100.	‡ Rec	923	11/14/02	15:05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
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**\*\*METALS\*\***

Arsenic	< 0.88	mg/kg	9783	11/14/02	10:40
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# = Value outside Laboratory historical or method prescribed QC limits.





**Appendix I**

**Storm Water Analytical Data**

Attention: Mr. Brent Jacobs  
URS - Atlanta  
235 Peachtree Street, N.E.  
North Tower, Suite 2000  
Atlanta, GA 30303

Report No. 166978

**ASI****ANALYTICAL SERVICES, INC.**

Environmental Monitoring &amp; Laboratory Analysis

110 Technology Parkway Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

**Laboratory Report**Report Number **166978**

Project: Red Panther, Project#37778-010-1008

Prepared For:

**URS - Atlanta****235 Peachtree Street, N.E.****North Tower, Suite 2000****Atlanta, GA 30303****Attention: Mr. Brent Jacobs**

November 22, 2002

P.O. No. 37778-010-1008

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

**Project Manager****Quality Assurance**

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## Definitions of Terms

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- B** - Found in Laboratory Blank
- BDL** - Below Detection Limit
- C** - Co-eluting Isomer Present
- E** - Estimated Concentration
- F** - Positively Identified Below the Reporting Limit
- H** - Results Within Limits, See Attached
- J** - Estimated Concentration
- M** - A Matrix Effect was Determined to be Present in the Sample
- ND** - None Detected
- R** - The Data is Unusable Due to the Inability to Analyze the Sample  
and Meet the Quality Control Criteria
- TIC** - Tentatively Identified Compound
- U** - Not Detected at the Level Reported
- CFU** - Colony Forming Units

**NOTE: Unless otherwise noted, all results are reported on an as received basis.**



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis

110 Technology Parkway Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

URS - Atlanta  
235 Peachtree Street, N.E.  
North Tower, Suite 2000  
Atlanta, GA 30303

Attention: Mr. Brent Jacobs  
Report No. **166978-1**

November 22, 2002

### Sample Description

URS - Atlanta

Wastewater, Grab, Red Panther, Project#37778-010-1008, Ditch Water, 11/20/2002, 14:55, received 11/21/2002

Analytical Method	Analyte	Result	Detection Limit	Units
<b>Metals</b>				
EPA 6010B	Total Arsenic (As)	3.6	0.03	mg/L
<b>Pesticides</b>				
EPA 8081A	Toxaphene	BDL	2.0	ug/L
EPA 8081A	Dieldrin	1.2	0.1	ug/L

## Organochlorine Pesticides by Method EPA 8081

## Spike Recovery

Matrix : AQUEOUS

Batch # 85951

Lab Control Information Analyte	LC %Rec	LCD %Rec	LC/LCD RPD	%Recovery Range	RPD Range
4,4'-DDT	73	70	4	58 - 136	0 - 36
Endrin	69	71	3	55 - 133	0 - 35
Dieldrin	94	97	3	66 - 152	0 - 36
Aldrin	28	31	10	42 - 115	0 - 40
Note : low in lcs/lcsd but within 3sd					
Heptachlor	61	68	11	56 - 135	0 - 30
BHC-gamma (Lindane)	61	71	15	55 - 139	0 - 32
Matrix Spike Information Analyte	MS %Rec	MSD %Rec	MS/MSD RPD	%Recovery Range	RPD Range
4,4'-DDT	63	75	17	42 - 118	0 - 44
Endrin	74	87	16	47 - 120	0 - 45
Dieldrin	100	117	16	54 - 140	0 - 45
Aldrin	30	37	21	26 - 105	0 - 44
Note : low in lcs/lcsd but within 3sd					
Heptachlor	68	83	20	46 - 123	0 - 47
BHC-gamma (Lindane)	69	83	18	42 - 122	0 - 46

**Organochlorine Pesticides by Method EPA 8081  
Surrogate Recovery**

Batch # 85951

Matrix : AQUEOUS

## % Recovery Objectives

Surrogate #	Surrogate Name	Surrogate Range
S1	Tetrachloro-m-xylene	14 - 147
S2	Decachlorobiphenyl	10 - 136

Sample	File	S1	S2	S3	S4	S5	S6
85951BLK	112102014F	76	50				
85951LCS	112102015F	52	58				
85951LCSD	112102016F	65	38				
165166-1MS	112102017F	61	29				
165166-1MSD	112102018F	74	35				
166978-1	112102019F	84	53				
165166-1	112102020F	74	35				



**Organochlorine Pesticides by Method EPA 8081**  
**Blank Results Information**

Batch # 85951

**Matrix : AQUEOUS**

Analyte	Blank Hits	Lowest Sample Det. Limit	Units
Toxaphene	None	2.0	ug/L
Dieldrin	None	0.1	ug/L

**Organochlorine Pesticides by Method EPA 8081**  
**Sample Batch Information****Batch # 85951****Matrix : AQUEOUS**

Sample ID	Preparation				Analysis			Inst #
	Date	Time	By	Notes	Date	Time	By	
85951BLK	11/21/02	1130	AK		11/22/02	0003	DEB	GC6
85951LCS	11/21/02	1130	AK		11/22/02	0028	DEB	GC6
85951LCSD	11/21/02	1130	AK		11/22/02	0054	DEB	GC6
165166-1MS	11/21/02	1230	AK		11/22/02	0120	DEB	GC6
165166-1MSD	11/21/02	1230	AK		11/22/02	0146	DEB	GC6
166978-1	11/21/02	1130	AK		11/22/02	0212	DEB	GC6
165166-1	11/21/02	1230	AK		11/22/02	0238	DEB	GC6

**Single Analyte Data  
Blank Results Information**

Batch Number	Analyte	Analysis Method	Preparation Method	Units	Blank Result	Matrix
84111	As	EPA 6010		mg/L	< 0.0100	AQUEOUS

**Lab Control Information**

Batch Number	Analyte	Analysis Method	LC % Rec.	LCD % Rec.	LC/LCD RPD	%Recovery Range	RPD Range
84111	As	EPA 6010	108	103	5	90 - 117	0 - 5

**Matrix Spike Information**

Batch Number	Analyte	Analysis Method	MS % Rec.	MSD % Rec.	MS/MSD RPD	%Recovery Range	RPD Range
84111	As	EPA 6010	107	106	1	76 - 124	0 - 20

**Post Digestion Spike Information**

Batch Number	Analyte	Analysis Method	PDS %Rec	%Recovery Range
4111	As	EPA 6010	106	76 - 124

**Single Analyte Data**  
**Sample Batch Information**  
**Analysis : As**

Batch # 84111

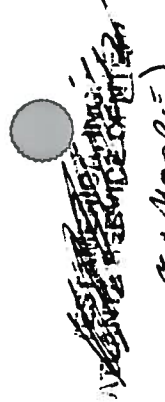
Matrix : AQUEOUS

Sample ID	Tag	Preparation			Notes	Analysis			Inst
		Date	Time	By		Date	Time	By	
84111LCS		11/20/02	0925	ALH	TRACE	11/21/02	1222	MLR	ICP2
84111LCSD		11/20/02	0925	ALH	TRACE	11/21/02	1227	MLR	ICP2
84111BLK		11/20/02	0925	ALH	TRACE	11/21/02	1230	MLR	ICP2
166786-24MS		11/20/02	0925	ALH	TRACE	11/21/02	1233	MLR	ICP2
166786-24MSD		11/20/02	0925	ALH	TRACE	11/21/02	1237	MLR	ICP2
166786-24PDS		11/20/02	0925	ALH	TRACE	11/21/02	1240	MLR	ICP2
166786-28DUP		11/20/02	0925	ALH	TRACE	11/21/02	1243	MLR	ICP2
166786-24		11/20/02	0925	ALH	TRACE	11/21/02	1246	MLR	ICP2
166786-28		11/20/02	0925	ALH	TRACE	11/21/02	1249	MLR	ICP2
166786-14		11/20/02	0925	ALH	TRACE	11/21/02	1253	MLR	ICP2
166786-16		11/20/02	0925	ALH	TRACE	11/21/02	1305	MLR	ICP2
166786-18		11/20/02	0925	ALH	TRACE	11/21/02	1309	MLR	ICP2
166786-20		11/20/02	0925	ALH	TRACE	11/21/02	1312	MLR	ICP2
166786-22		11/20/02	0925	ALH	TRACE	11/21/02	1315	MLR	ICP2
166786-26		11/20/02	0925	ALH	TRACE	11/21/02	1318	MLR	ICP2
166786-30		11/20/02	0925	ALH	NEAT	11/21/02	1322	MLR	ICP2
166786-32		11/20/02	0925	ALH	TRACE	11/21/02	1325	MLR	ICP2
BLK 11-21		11/21/02	0740	JAM	TRACE	11/21/02	1500	MLR	ICP2
'66849-2		11/21/02	0740	JAM	TRACE	11/21/02	1503	MLR	ICP2
166849-3		11/21/02	0740	JAM	TRACE	11/21/02	1506	MLR	ICP2
166849-4		11/21/02	0740	JAM	TRACE	11/21/02	1510	MLR	ICP2
166849-5		11/21/02	0740	JAM	TRACE	11/21/02	1513	MLR	ICP2
166849-6		11/21/02	0740	JAM	TRACE	11/21/02	1516	MLR	ICP2
166849-7		11/21/02	0740	JAM	TRACE	11/21/02	1519	MLR	ICP2
166849-8		11/21/02	0740	JAM	TRACE	11/21/02	1522	MLR	ICP2
166849-9		11/21/02	0740	JAM	TRACE	11/21/02	1526	MLR	ICP2
166849-1		11/21/02	0740	JAM	TRACE	11/21/02	1529	MLR	ICP2
166978-1		11/21/02	1040	JAM	TRACE	11/21/02	1542	MLR	ICP2
166786-16RA		11/20/02	0925	ALH	TRACE	11/21/02	1659	FBS	ICP3
166786-18RA		11/20/02	0925	ALH	TRACE	11/21/02	1703	FBS	ICP3
166786-20RA		11/20/02	0925	ALH	TRACE	11/21/02	1706	FBS	ICP3
166786-22RA		11/20/02	0925	ALH	TRACE	11/21/02	1716	FBS	ICP3
166786-26RA		11/20/02	0925	ALH	TRACE	11/21/02	1719	FBS	ICP3
166849-2RA		11/21/02	0740	JAM	TRACE	11/21/02	1723	FBS	ICP3
166849-3RA		11/21/02	0740	JAM	TRACE	11/21/02	1726	FBS	ICP3
166849-4RA		11/21/02	0740	JAM	TRACE	11/21/02	1729	FBS	ICP3
166849-6RA		11/21/02	0740	JAM	TRACE	11/21/02	1733	FBS	ICP3

**Single Analyte Data**  
**Sample Batch Information**  
*Analysis : As*

**Batch # 84111****Matrix : AQUEOUS**

Sample ID	Tag	Preparation			Notes	Analysis			Inst
		Date	Time	By		Date	Time	By	
166849-7RA		11/21/02	0740	JAM	TRACE	11/21/02	1736	FBS	ICP3
166849-8RA		11/21/02	0740	JAM	TRACE	11/21/02	1739	FBS	ICP3
166849-9RA		11/21/02	0740	JAM	TRACE	11/21/02	1743	FBS	ICP3



8 S1 ASLOW# 166970

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

Client Name: URS Corp (Parks + Moore) Client #

Address: DN - FILE

City/State/Zip Code: RED PANTHER MS

Project Manager: BRENT JACOBS State: MS

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

Sampler Name (Print Name): STEVEN SUSTON

Sampler Signature: Steve Jacobs PO#

TAT Standard	Date Sampled	Time Sampled	Matrix	Preservation & # of Containers	Analyze For	QC Deliverables	REMARKS
<input checked="" type="checkbox"/> Fish (surcharge may apply) Date Needed: Noon 11/22 Fax Results: <input checked="" type="checkbox"/> N DAVE MOORE/STEVEN SUSTON (662) 621-9838 SAMPLE ID	11-20-02	1455	WW		TOXAPHENES (808L) Dieldrin (808L) ARSENIC (808L)	None Level 2 (Match QC) Level 3 Level 4 Other	* CONTACT SUE BRITO @ ASI OR STEVE SUSTON (404) 822-8483 w/ Questions

Special Instructions: \* Must have FAXED Results by Noon 11/22/02 or SOONER  
 Fax ASAP to DAVE MOORE/STEVE SUSTON @ (662) 621-9838

Relinquished By: Steve Jacobs Date: 11-20-02 Time: 1600 Received By: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_

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

W/21/02 @ 8:30 FedEx  
 CW: [unclear] - [unclear] [unclear]



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Services  
110 Technology Parkway, Norcross, GA 30092  
(770)734-4200 FAX (770)734-4201

## LOG-IN CHECKLIST

Attn: Mr. Brent Jacobs

Client: URS - ATLANTA GA ATLANTA  
Project: Red Panther, Project#37778-010-1008  
Recvd : 11/21/2002

Logged By: CF

NPDES:  
Work Order: 166978

### OBSERVATIONS

#Samples: 1 #Containers: 3 Temp(C): 5 Ice: Yes Custody Seal(s): Intact  
pH: labeled pres

### CHECKLIST ITEMS\*\*

- |  |     |
|--|-----|
| 1. COC included with Samples                     | Yes |
| 2. Chain of Custody Complete                     | Yes |
| 3. Sample Container(s) Intact                    | Yes |
| 4. Sample Container(s) Match COC                 | Yes |
| 5. Params Designated by Client on COC            | Yes |
| 6. Temperature in Compliance                     | Yes |
| 7. Sufficient Sample Volume for Analysis         | Yes |
| 8. Zero HeadSpace Maintained for VOA Analyses    | N/A |
| 9. Samples properly preserved                    | Yes |
| 10. Samples Received within Allowable Hold Times | Yes |

**Attention: Mr. Brent Jacobs  
URS - Atlanta  
235 Peachtree Street, N.E.  
North Tower, Suite 2000  
Atlanta, GA 30303**

**Report No. 167175**





# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis

110 Technology Parkway Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Report Number **167175**

Project: Red Panther Clarksdale MS, Project#37778-010

Prepared For:

**URS - Atlanta**

**235 Peachtree Street, N.E.**

**North Tower, Suite 2000**

**Atlanta, GA 30303**


**Attention: Mr. Brent Jacobs**

December 6, 2002

P.O. No. 37778-010

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

  
\_\_\_\_\_  
Project Manager

  
\_\_\_\_\_  
Quality Assurance



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Definitions of Terms

---

- B** - Found in Laboratory Blank
- BDL** - Below Detection Limit
- C** - Co-eluting Isomer Present
- E** - Estimated Concentration
- F** - Positively Identified Below the Reporting Limit
- H** - Results Within Limits, See Attached
- J** - Estimated Concentration
- M** - A Matrix Effect was Determined to be Present in the Sample
- ND** - None Detected
- R** - The Data is Unusable Due to the Inability to Analyze the Sample  
and Meet the Quality Control Criteria
- TIC** - Tentatively Identified Compound
- U** - Not Detected at the Level Reported
- CFU** - Colony Forming Units

**NOTE: Unless otherwise noted, all results are reported on an as received basis.**



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

URS - Atlanta  
235 Peachtree Street, N.E.  
North Tower, Suite 2000  
Atlanta, GA 30303

Attention: Mr. Brent Jacobs  
Report No. 167175-1

December 6, 2002

### Sample Description

URS - Atlanta

Storm Water, Grab, Red Panther Clarksdale MS, Project#37778-010, SW-1, 11/25/2002, 13:30, received 11/26/2002

Analytical Method	Analyte	Result	Detection Limit	Units
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### Target Analyte List - Metals

Metals				
Analytical Method	Analyte	Result	Detection Limit	Units
EPA 6010B	Total Aluminum (Al)	1.9	0.2	mg/L
EPA 6010B	Total Antimony (Sb)	BDL	0.05	mg/L
EPA 6010B	Total Arsenic (As)	0.62	0.02	mg/L
EPA 6010B	Total Barium (Ba)	0.10	0.01	mg/L
EPA 6010B	Total Beryllium (Be)	BDL	0.005	mg/L
EPA 6010B	Total Cadmium (Cd)	BDL	0.005	mg/L
EPA 6010B	Total Calcium (Ca)	35	0.05	mg/L
EPA 6010B	Total Chromium (Cr)	BDL	0.01	mg/L
EPA 6010B	Total Cobalt (Co)	BDL	0.05	mg/L
EPA 6010B	Total Copper (Cu)	BDL	0.02	mg/L
EPA 6010B	Total Iron (Fe)	1.7	0.1	mg/L
EPA 6010B	Total Lead (Pb)	BDL	0.003	mg/L
EPA 7421	Total Magnesium (Mg)	5.8	0.05	mg/L
EPA 6010B	Total Manganese (Mn)	0.33	0.015	mg/L
EPA 7470A	Total Mercury (Hg)	BDL	0.0002	mg/L
EPA 6010B	Total Nickel (Ni)	BDL	0.02	mg/L
EPA 6010B	Total Potassium (K)	2.7	0.2	mg/L
EPA 7740	Total Selenium (Se)	BDL	0.005	mg/L
EPA 6010B	Total Silver (Ag)	BDL	0.01	mg/L
EPA 6010B	Total Sodium (Na)	31	0.05	mg/L
EPA 7841	Total Thallium (Tl)	BDL	0.01	mg/L
EPA 6010B	Total Vanadium (V)	BDL	0.05	mg/L
EPA 6010B	Total Zinc (Zn)	0.06	0.02	mg/L

### Pesticides

BDL - Below Detection Limit

**Sample Description**  
URS - Atlanta

Storm Water, Grab, Red Panther Clarksdale MS, Project #37778-010, SW-1, 11/25/2002, 13:30, received 11/26/2002

Analytical Method	Analyte	Result	Detection Limit	Units
EPA 8081A	Aldrin	BDL	0.1	ug/L
EPA 8081A	BHC-alpha	12.2	0.1	ug/L
EPA 8081A	BHC-beta	5.8	0.1	ug/L
EPA 8081A	BHC-delta	4.6	0.1	ug/L
EPA 8081A	BHC-gamma (Lindane)	3.6	0.1	ug/L
EPA 8081A	Chlordane	BDL	0.5	ug/L
EPA 8081A	4,4'-DDD	BDL	0.2	ug/L
EPA 8081A	4,4'-DDE	BDL	0.2	ug/L
EPA 8081A	4,4'-DDT	7.8	0.2	ug/L
EPA 8081A	Dieldrin	BDL	0.1	ug/L
EPA 8081A	Endosulfan I	BDL	0.5	ug/L
EPA 8081A	Endosulfan II	BDL	0.5	ug/L
EPA 8081A	Endosulfan sulfate	BDL	0.5	ug/L
EPA 8081A	Endrin	12.0	0.2	ug/L
EPA 8081A	Endrin aldehyde	BDL	0.2	ug/L
EPA 8081A	Heptachlor	BDL	0.1	ug/L
EPA 8081A	Heptachlor epoxide	BDL	0.1	ug/L
EPA 8081A	Methoxychlor	BDL	0.3	ug/L
EPA 8081A	Toxaphene	184	5.0	ug/L
<b>Chlorinated Herbicides</b>				
EPA 8151A	2,4-D	BDL	5.0	ug/L
EPA 8151A	2,4-DB	BDL	0.91	ug/L
EPA 8151A	2,4,5-T	BDL	0.20	ug/L
EPA 8151A	2,4,5-TP (Silvex)	BDL	10	ug/L
EPA 8151A	Dalapon	BDL	5.8	ug/L
EPA 8151A	Dicamba	BDL	0.80	ug/L
EPA 8151A	Dichloroprop	BDL	0.65	ug/L
EPA 8151A	Dinoseb	BDL	3.9	ug/L
EPA 8151A	MCPA	BDL	250	ug/L
EPA 8151A	MCPD	BDL	190	ug/L

**Chlorinated Herbicides by Method EPA 8151**  
**Spike Recovery**

*Matrix : AQUEOUS***Batch # 86079**

Lab Control Information Analyte	LC %Rec	LCD %Rec	LC/LCD RPD	%Recovery Range	RPD Range
2,4,5-T	113	135	18	42 - 116	0 - 40
2,4,5-TP (Silvex)	99	121	20	43 - 103	0 - 45
2,4-D	108	132	20	37 - 115	0 - 40
Matrix Spike Information Analyte	MS %Rec	MSD %Rec	MS/MSD RPD	%Recovery Range	RPD Range
2,4,5-T	100	93	7	47 - 110	0 - 26
2,4,5-TP (Silvex)	88	81	8	44 - 103	0 - 41
2,4-D	99	94	5	40 - 113	0 - 16

## Chlorinated Herbicides by Method EPA 8151

## Surrogate Recovery

Matrix : AQUEOUS

Batch # 86079

## % Recovery Objectives

Surrogate #	Surrogate Name	Surrogate Range
S1	Dichloroacetic acid	10 - 144

Sample	File	S1	S2	S3	S4	S5	S6
86079BLK	112702B028F	63					
86079LCS	112702B029F	63					
86079LCSD	112702B030F	83					
167064-1MS	112702B031F	58					
167064-1MSD	112702B032F	73					
167064-1	112702B033F	74					
167064-3	112702B034F	67					
167064-4	112702B035F	70					
167064-6	112702B038F	61					
167064-8	112702B039F	48					
167064-10	112702B040F	78					
167064-12	112702B041F	47					
167064-13	112702B042F	135					
167064-15	112702B043F	45					
DAYBLK11/27	112702B045F	124					
167175-1	112702B098F	90					
167193-3	120302005F	70					
167193-7	120302006F	75					
167193-11	120302007F	70					
167193-11DUP	120302008F	76					
167193-12	120302009F	37					
167193-14	120302010F	62					
167193-18	120302011F	73					

**Chlorinated Herbicides by Method EPA 8151**  
**Blank Results Information***Matrix : AQUEOUS***Batch # 86079**

Analyte	Blank Hits	Lowest Sample Det. Limit	Units
2,4-D	None	5.0	ug/L
2,4-DB	None	0.91	ug/L
2,4,5-T	None	0.20	ug/L
2,4,5-TP	None	10	ug/L
Dalapon	None	5.8	ug/L
Dicamba	None	0.80	ug/L
Dichloroprop	None	0.65	ug/L
Dinoseb	None	3.9	ug/L
MCPA	None	250	ug/L
MCP	None	190	ug/L

**Chlorinated Herbicides by Method EPA 8151**  
**Sample Batch Information**

Matrix : AQUEOUS

Batch # 86079

Sample ID	Preparation			Notes	Analysis			Inst #
	Date	Time	By		Date	Time	By	
86079BLK	11/26/02	1700	MP		11/28/02	0343	JG	GC1
86079LCS	11/26/02	1700	MP		11/28/02	0402	JG	GC1
86079LCSD	11/26/02	1700	MP		11/28/02	0422	JG	GC1
167064-1MS	11/26/02	1700	MP		11/28/02	0442	JG	GC1
167064-1MSD	11/26/02	1700	MP		11/28/02	0501	JG	GC1
167064-1	11/26/02	1700	MP		11/28/02	0521	JG	GC1
167064-3	11/26/02	1700	MP		11/28/02	0540	JG	GC1
167064-4	11/26/02	1700	MP		11/28/02	0600	JG	GC1
167064-6	11/26/02	1700	MP		11/28/02	0658	JG	GC1
167064-8	11/26/02	1700	MP		11/28/02	0718	JG	GC1
167064-10	11/26/02	1700	MP		11/28/02	0737	JG	GC1
167064-12	11/26/02	1700	MP		11/28/02	0757	JG	GC1
167064-13	11/26/02	1700	MP		11/28/02	0817	JG	GC1
167064-15	11/26/02	1700	MP		11/28/02	0836	JG	GC1
DAYBLK11/27	11/27/02	1200	MP		11/28/02	0915	JG	GC1
167175-1	11/27/02	1200	MP		11/28/02	0935	JG	GC1
167193-3	11/27/02	1200	MP		12/03/02	1532	JG	GC1
167193-7	11/27/02	1200	MP		12/03/02	1552	JG	GC1
167193-11	11/27/02	1200	MP		12/03/02	1612	JG	GC1
167193-11DUP	11/27/02	1200	MP		12/03/02	1632	JG	GC1
167193-12	11/27/02	1200	MP		12/03/02	1651	JG	GC1
167193-14	11/27/02	1200	MP		12/03/02	1711	JG	GC1
167193-18	11/27/02	1200	MP		12/03/02	1731	JG	GC1



**Organochlorine Pesticides by Method EPA 8081  
Spike Recovery**

Matrix : AQUEOUS

Batch # 86111

Lab Control Information Analyte	LC %Rec	LCD %Rec	LC/LCD RPD	%Recovery Range	RPD Range
4,4'-DDT	73	75	3	58 - 136	0 - 36
Endrin	75	78	4	55 - 133	0 - 35
Dieldrin	71	72	1	66 - 152	0 - 36
Aldrin	35	36	3	42 - 115	0 - 40
Note : LCS/LCSD WITHIN CONTROL LIMITS.					
Heptachlor	74	77	4	56 - 135	0 - 30
BHC-gamma (Lindane)	78	82	5	55 - 139	0 - 32

Matrix Spike Information Analyte	MS %Rec	MSD %Rec	MS/MSD RPD	%Recovery Range	RPD Range
4,4'-DDT	62	60	3	42 - 118	0 - 44
Endrin	79	75	5	47 - 120	0 - 45
Dieldrin	55	73	28	54 - 140	0 - 45
Aldrin	32	31	3	26 - 105	0 - 44
Note : LCS/LCSD WITHIN CONTROL LIMITS.					
Heptachlor	75	72	4	46 - 123	0 - 47
BHC-gamma (Lindane)	82	78	5	42 - 122	0 - 46

## Organochlorine Pesticides by Method EPA 8081

## Surrogate Recovery

Matrix : AQUEOUS

Batch # 86111

## % Recovery Objectives

Surrogate #	Surrogate Name	Surrogate Range
S1	Tetrachloro-m-xylene	14 - 147
S2	Decachlorobiphenyl	10 - 136

Sample	File	S1	S2	S3	S4	S5	S6
86111BLK	112702036f	80	66				
86111LCS	112702037f	75	66				
167064-3	112702042F	68	40				
86111LCSD	112702038f	79	71				
167064-4	112702043F	71	46				
167064-13MS	112702039f	92	49				
167064-13MSD	112702040f	83	48				
167064-1	112702041F	68	33				
167064-10	112702048B	59	41				
167064-12	112702049B	71	53				
167064-6	112702044F	117	50				
167064-13	112702050B	63	36				
167064-8	112702045F	86	23				
167064-15	112702051B	81	71				
167193-3	112702060B	82	16				
167193-7	112702061B	65	23				
167193-11	112702062B	87	48				
DAYBL11/27	112702058B	80	70				
167193-12	112702063F	62	13				
167193-14	112702066F	88	36				
167193-18	112702067F	47	18				
167175-1	120202002F	220	121				
167175-1D	120202005F	4	0				

Note: SURROGATES DILUTED OUT

167175-1RA 120202A010F 0 0

Note: RA'D FOR TOX ONLY

**Organochlorine Pesticides by Method EPA 8081**  
**Blank Results Information****Matrix : AQUEOUS****Batch # 86111**

Analyte	Blank Hits	Lowest Sample Det. Limit	Units
Aldrin	None	0.1	ug/L
BHC-alpha	None	0.1	ug/L
BHC-beta	None	0.1	ug/L
BHC-delta	None	0.1	ug/L
BHC-gamma	None	0.1	ug/L
Chlordane	None	0.5	ug/L
4,4'-DDD	None	0.2	ug/L
4,4'-DDE	None	0.2	ug/L
4,4'-DDT	None	0.2	ug/L
Dieldrin	None	0.1	ug/L
Endosulfan I	None	0.5	ug/L
Endosulfan II	None	0.5	ug/L
Endosulfan sulfate	None	0.5	ug/L
Endrin	None	0.2	ug/L
Endrin aldehyde	None	0.2	ug/L
Heptachlor	None	0.1	ug/L
Heptachlor epoxide	None	0.1	ug/L
Methoxychlor	None	0.3	ug/L
Toxaphene	None	5.0	ug/L

**Organochlorine Pesticides by Method EPA 8081**  
**Sample Batch Information**

Matrix : AQUEOUS

Batch # 86111

Sample ID	Preparation			Notes	Analysis		By	Inst #
	Date	Time	By		Date	Time		
86111BLK	11/26/02	1745	AK		11/28/02	1448	DEB	GC6
86111LCS	11/26/02	1745	AK		11/28/02	1514	DEB	GC6
167064-3	11/26/02	1745	AK		11/28/02	1522	DEB	GC6
86111LCS D	11/26/02	1745	AK		11/28/02	1539	DEB	GC6
167064-4	11/26/02	1745	AK		11/28/02	1548	DEB	GC6
167064-13MS	11/26/02	1745	AK		11/28/02	1605	DEB	GC6
167064-13MSD	11/26/02	1745	AK		11/28/02	1631	DEB	GC6
167064-1	11/26/02	1745	AK		11/28/02	1657	DEB	GC6
167064-10	11/26/02	1745	AK		11/28/02	1722	DEB	GC6
167064-12	11/26/02	1745	AK		11/28/02	1748	DEB	GC6
167064-6	11/26/02	1745	AK		11/28/02	1814	DEB	GC6
167064-13	11/26/02	1745	AK		11/28/02	1814	DEB	GC6
167064-8	11/26/02	1745	AK		11/28/02	1840	DEB	GC6
167064-15	11/26/02	1745	AK		11/28/02	1840	DEB	GC6
167193-14	11/27/02	0845	RM		11/28/02	1905	DEB	GC6
167193-3	11/27/02	0845	RM		11/28/02	1957	DEB	GC6
167193-7	11/27/02	0845	RM		11/28/02	2023	DEB	GC6
167193-11	11/27/02	0845	RM		11/28/02	2048	DEB	GC6
DAYBL11/27	11/27/02	0845	RM		11/28/02	2257	DEB	GC6
167193-12	11/27/02	0845	RM		11/29/02	0106	DEB	GC6
167193-18	11/27/02	0845	RM		11/29/02	0405	DEB	GC6
167175-1	11/27/02	0845	RM	ONLY NEED ONE S SURROGATE S DILU	12/02/02	1155	DEB	GC6
167175-1D	11/27/02	0845	RM		12/02/02	1313	DEB	GC6
167175-1RA	/ /				12/02/02	1734	DEB	GC6

**Single Analyte Data**  
**Blank Results Information**

Batch Number	Analyte	Analysis Method	Preparation Method	Units	Blank Result	Matrix
84145	Sb	EPA 6010		mg/L	< 0.0050	AQUEOUS
84145	As	EPA 6010		mg/L	< 0.0200	AQUEOUS
84145	Ba	EPA 6010		mg/L	< 0.0100	AQUEOUS
84145	Be	EPA 6010		mg/L	< 0.0020	AQUEOUS
84145	Cd	EPA 6010		mg/L	< 0.0030	AQUEOUS
84145	Cr	EPA 6010		mg/L	< 0.0050	AQUEOUS
84145	Co	EPA 6010		mg/L	< 0.0100	AQUEOUS
84145	Cu	EPA 6010		mg/L	< 0.0100	AQUEOUS
84145	Ni	EPA 6010		mg/L	< 0.0050	AQUEOUS
84145	Ag	EPA 6010		mg/L	< 0.0070	AQUEOUS
84145	V	EPA 6010		mg/L	< 0.0040	AQUEOUS
84145	Zn	EPA 6010		mg/L	< 0.0200	AQUEOUS
84145	Al	EPA 6010		mg/L	< 0.1000	AQUEOUS
84145	Ca	EPA 6010		mg/L	< 0.0500	AQUEOUS
84145	Fe	EPA 6010		mg/L	< 0.0400	AQUEOUS
84145	Mg	EPA 6010		mg/L	< 0.0500	AQUEOUS
84145	Mn	EPA 6010		mg/L	< 0.0400	AQUEOUS
84145	K	EPA 6010		mg/L	< 0.2000	AQUEOUS
84145	Na	EPA 6010		mg/L	< 0.0500	AQUEOUS
84147	Pb	EPA 7421		mg/L	< 0.0030	AQUEOUS
84147	Tl	EPA 7841		mg/L	< 0.0020	AQUEOUS
84147	Se	EPA 7740		mg/L	< 0.0050	AQUEOUS
84744	Hg	EPA 7470		mg/L	< 0.0005	AQUEOUS

**Lab Control Information**

Batch Number	Analyte	Analysis Method	LC % Rec.	LCD % Rec.	LC/LCD RPD	%Recovery Range	RPD Range
84145	Sb	EPA 6010	102	103	1	86 - 113	0 - 6
84145	As	EPA 6010	105	106	1	90 - 117	0 - 5
84145	Ba	EPA 6010	104	105	1	87 - 103	0 - 5
84145	Be	EPA 6010	109	110	1	91 - 111	0 - 7
84145	Cd	EPA 6010	107	108	1	89 - 114	0 - 6
84145	Cr	EPA 6010	108	109	1	88 - 112	0 - 6
84145	Co	EPA 6010	102	103	1	90 - 106	0 - 5
84145	Cu	EPA 6010	107	108	1	92 - 107	0 - 7
84145	Ni	EPA 6010	105	106	1	89 - 108	0 - 6

**Single Analyte Data  
Lab Control Information**

Batch Number	Analyte	Analysis Method	LC % Rec.	LCD % Rec.	LC/LCD RPD	%Recovery Range	RPD Range
84145	Ag	EPA 6010	104	105	1	82 - 126	0 - 27
84145	V	EPA 6010	107	108	1	88 - 108	0 - 6
84145	Zn	EPA 6010	107	108	1	90 - 113	0 - 9
84145	Al	EPA 6010	99	101	2	86 - 108	0 - 5
84145	Ca	EPA 6010	120	120	0	89 - 121	0 - 16
84145	Fe	EPA 6010	99	99	0	88 - 112	0 - 6
84145	Mg	EPA 6010	104	106	2	96 - 108	0 - 5
84145	Mn	EPA 6010	105	106	1	93 - 106	0 - 6
84145	K	EPA 6010	95	96	1	81 - 108	0 - 6
84145	Na	EPA 6010	103	102	1	85 - 104	0 - 11
84147	Pb	EPA 7421	99	98	1	76 - 119	0 - 6
84147	Tl	EPA 7841	106	106	0	87 - 120	0 - 7
84147	Se	EPA 7740	123	120	2	88 - 118	0 - 12
84744	Hg	EPA 7470	86	87	1	86 - 113	0 - 11

**Matrix Spike Information**

Batch Number	Analyte	Analysis Method	MS % Rec.	MSD % Rec.	MS/MSD RPD	%Recovery Range	RPD Range
84145	Sb	EPA 6010	100	98	2	76 - 124	0 - 20
84145	As	EPA 6010	102	99	3	76 - 124	0 - 20
84145	Ba	EPA 6010	103	101	2	76 - 124	0 - 20
84145	Be	EPA 6010	106	104	2	76 - 124	0 - 20
84145	Cd	EPA 6010	105	103	2	76 - 124	0 - 20
84145	Cr	EPA 6010	105	103	2	76 - 124	0 - 20
84145	Co	EPA 6010	99	97	2	76 - 124	0 - 20
84145	Cu	EPA 6010	105	102	3	76 - 124	0 - 20
84145	Ni	EPA 6010	103	101	2	76 - 124	0 - 20
84145	Ag	EPA 6010	99	98	1	76 - 124	0 - 20
84145	V	EPA 6010	105	103	2	76 - 124	0 - 20
84145	Zn	EPA 6010	103	101	2	76 - 124	0 - 20
84145	Al	EPA 6010	102	101	1	76 - 124	0 - 20
84145	Ca	EPA 6010	119	113	5	76 - 124	0 - 20
84145	Fe	EPA 6010	95	96	1	76 - 124	0 - 20
84145	Mg	EPA 6010	106	86	21	76 - 124	0 - 20
84145	Mn	EPA 6010	103	100	3	76 - 124	0 - 20
84145	K	EPA 6010	93	91	2	76 - 124	0 - 20
84145	Na	EPA 6010	111	96	14	76 - 124	0 - 20
84147	Pb	EPA 7421	83	96	15	56 - 129	0 - 14

**Single Analyte Data  
Matrix Spike Information**

Batch Number	Analyte	Analysis Method	MS % Rec.	MSD % Rec.	MS/MSD RPD	%Recovery Range	RPD Range
84147	Tl	EPA 7841	74	72	3	62 - 100	0 - 7
84147	Se	EPA 7740	49	67	31	23 - 106	0 - 25
84744	Hg	EPA 7470	87	96	10	84 - 116	0 - 13

**Post Digestion Spike Information**

Batch Number	Analyte	Analysis Method	PDS %Rec	%Recovery Range
84145	Sb	EPA 6010	95	76 - 124
84145	As	EPA 6010	98	76 - 124
84145	Ba	EPA 6010	99	76 - 124
84145	Be	EPA 6010	103	76 - 124
84145	Cd	EPA 6010	102	76 - 124
84145	Cr	EPA 6010	102	76 - 124
84145	Co	EPA 6010	96	76 - 124
84145	Cu	EPA 6010	101	76 - 124
84145	Ni	EPA 6010	100	76 - 124
84145	Ag	EPA 6010	98	76 - 124
84145	V	EPA 6010	102	76 - 124
84145	Zn	EPA 6010	100	76 - 124
84145	Al	EPA 6010	93	76 - 124
84145	Ca	EPA 6010	110	76 - 124
84145	Fe	EPA 6010	92	76 - 124
84145	Mg	EPA 6010	80	76 - 124
84145	Mn	EPA 6010	99	76 - 124
84145	K	EPA 6010	92	76 - 124
84145	Na	EPA 6010	92	76 - 124
84147	Pb	EPA 7421	89	76 - 124
84147	Tl	EPA 7841	70	76 - 124
84147	Se	EPA 7740	57	76 - 124

## Single Analyte Data

## Sample Batch Information

Analysis : Sb, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Ag, V, Zn, Al, Ca, Fe,

Matrix : AQUEOUS

Batch # 84145

Sample ID	Tag	Preparation			Notes	Analysis		By	Inst
		Date	Time	By		Date	Time		
84145BLK		11/27/02	0710	ALH	TRACE	12/02/02	0921	MLR	ICP2
84145LCS		11/27/02	0710	ALH	TRACE	12/02/02	0925	MLR	ICP2
84145LCSD		11/27/02	0710	ALH	TRACE	12/02/02	0928	MLR	ICP2
166025AT1-1		11/27/02	0710	ALH	TRACE	12/02/02	0931	MLR	ICP2
^^ Dilution factor: 10									
165915AT1-1		11/27/02	0710	ALH	TRACE	12/02/02	0934	MLR	ICP2
^^ Dilution factor: 10									
165915AT1-3		11/27/02	0710	ALH	TRACE	12/02/02	0937	MLR	ICP2
^^ Dilution factor: 10									
167175-1		11/27/02	0710	ALH	TRACE	12/02/02	0941	MLR	ICP2
167146-6MS		11/27/02	0710	ALH	TRACE	12/02/02	0950	MLR	ICP2
167146-6MSD		11/27/02	0710	ALH	TRACE	12/02/02	0953	MLR	ICP2
167146-6PDS		11/27/02	0710	ALH	TRACE	12/02/02	0957	MLR	ICP2
167158-6DUP		11/27/02	0710	ALH	TRACE	12/02/02	1000	MLR	ICP2
167146-6		11/27/02	0710	ALH	TRACE	12/02/02	1003	MLR	ICP2
167158-6		11/27/02	0710	ALH	TRACE	12/02/02	1006	MLR	ICP2
167064-9		11/27/02	0710	ALH	TRACE	12/02/02	1009	MLR	ICP2
167064-11		11/27/02	0710	ALH	TRACE	12/02/02	1013	MLR	ICP2
167064-12		11/27/02	0710	ALH	TRACE	12/02/02	1016	MLR	ICP2
167064-14		11/27/02	0710	ALH	TRACE	12/02/02	1019	MLR	ICP2
167064-16		11/27/02	0710	ALH	NEAT	12/02/02	1029	MLR	ICP2
167064-17		11/27/02	0710	ALH	TRACE	12/02/02	1032	MLR	ICP2
167146-2		11/27/02	0710	ALH	TRACE	12/02/02	1035	MLR	ICP2
167146-4		11/27/02	0710	ALH	TRACE	12/02/02	1038	MLR	ICP2
167146-8		11/27/02	0710	ALH	TRACE	12/02/02	1042	MLR	ICP2
167146-10		11/27/02	0710	ALH	TRACE	12/02/02	1045	MLR	ICP2
167158-2		11/27/02	0710	ALH	TRACE	12/02/02	1048	MLR	ICP2
167158-4		11/27/02	0710	ALH	TRACE	12/02/02	1051	MLR	ICP2
167158-8		11/27/02	0710	ALH	TRACE	12/02/02	1054	MLR	ICP2
167158-10		11/27/02	0710	ALH	NEAT	12/02/02	1058	MLR	ICP2
167064-9RA		11/27/02	0710	ALH	TRACE	12/02/02	1703	FBS	ICP3
167064-11RA		11/27/02	0710	ALH	TRACE	12/02/02	1707	FBS	ICP3
167064-12RA		11/27/02	0710	ALH	TRACE	12/02/02	1710	FBS	ICP3
167064-14RA		11/27/02	0710	ALH	TRACE	12/02/02	1713	FBS	ICP3



**Single Analyte Data**  
**Sample Batch Information**  
**Analysis : Pb, Tl, Se**

Batch # 84147

Matrix : AQUEOUS

Sample ID	Tag	Preparation			Notes	Analysis			Inst
		Date	Time	By		Date	Time	By	
167175-1	TI	11/27/02	0725	JAM	GFAA	12/02/02	0719	DCF	AA2
167165-15	TI	11/27/02	0725	JAM	GFAA	12/02/02	0719	DCF	AA2
167165-1	TI	11/27/02	0725	JAM	GFAA	12/02/02	0719	DCF	AA2
167165-15DUP	TI	11/27/02	0725	JAM	GFAA	12/02/02	0719	DCF	AA2
167165-3PDS	TI	11/27/02	0725	JAM	GFAA	12/02/02	0719	DCF	AA2
167165-3MSD	TI	11/27/02	0725	JAM	AKA 167165-1	12/02/02	0719	DCF	AA2
167165-2MS	TI	11/27/02	0725	JAM	AKA 167165-1	12/02/02	0719	DCF	AA2
84147LCSD	TI	11/27/02	0725	JAM	GFAA	12/02/02	0719	DCF	AA2
84147LCS	TI	11/27/02	0725	JAM	GFAA	12/02/02	0719	DCF	AA2
84147BLK	TI	11/27/02	0725	JAM	GFAA	12/02/02	0719	DCF	AA2
167175-1	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167150-2	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167150-1	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-17	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-15	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-11	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-10	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-9	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-8	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-7	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-4	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-1	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167146-81	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167146-80	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167146-79	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167146-78	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA1
167165-15DUP	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-3PDS	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
167165-3MSD	Pb	11/27/02	0725	JAM	AKA 167165-1	12/02/02	0751	DCF	AA4
167165-2MS	Pb	11/27/02	0725	JAM	AKA 167165-1	12/02/02	0751	DCF	AA4
84147LCSD	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
84147LCS	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4
84147BLK	Pb	11/27/02	0725	JAM	GFAA	12/02/02	0751	DCF	AA4

**Single Analyte Data**  
**Sample Batch Information**  
**Analysis : Pb, Tl, Se**

Matrix : AQUEOUS

Batch # 84147

Sample ID	Tag	Preparation			Notes	Analysis			Inst
		Date	Time	By		Date	Time	By	
167150-2	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167150-1	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-17	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-15	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-10	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-9	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-8	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-7	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-4	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-1	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167146-81	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167146-80	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167146-79	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167146-78	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-15DUP	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-3PDS	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167165-3MSD	As	11/27/02	0725	JAM	AKA 167165-1	12/02/02	0818	DCF	AA3
167165-2MS	As	11/27/02	0725	JAM	AKA 167165-1	12/02/02	0818	DCF	AA3
84147LCSD	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
84147LCS	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
84147BLK	As	11/27/02	0725	JAM	GFAA	12/02/02	0818	DCF	AA3
167175-1	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167150-2	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167150-1	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167165-15	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167165-1	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167146-81	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167146-80	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167146-79	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167146-78	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167165-15DUP	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167165-3PDS	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167165-3MSD	Se	11/27/02	0725	JAM	AKA 167165-1	12/02/02	1102	DCF	AA1
167165-2MS	Se	11/27/02	0725	JAM	AKA 167165-1	12/02/02	1102	DCF	AA1

**Single Analyte Data**  
**Sample Batch Information**  
**Analysis : Pb, Tl, Se**

Matrix : AQUEOUS

Batch # 84147

Sample ID	Tag	Preparation				Analysis			
		Date	Time	By	Notes	Date	Time	By	Inst
84147LCSD	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
84147LCS	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
84147BLK	Se	11/27/02	0725	JAM	GFAA	12/02/02	1102	DCF	AA1
167165-17	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-15	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-11	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-10	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-9	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-8	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-7	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-4	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-1	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-15DUP	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-3PDS	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-3MSD	Cd	11/27/02	0725	JAM	AKA 167165-1	12/02/02	1402	DCF	AA4
167165-2MS	Cd	11/27/02	0725	JAM	AKA 167165-1	12/02/02	1402	DCF	AA4
84147LCSD	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
84147LCS	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
84147BLK	Cd	11/27/02	0725	JAM	GFAA	12/02/02	1402	DCF	AA4
167165-11	As	11/27/02	0725	JAM	GFAA	12/02/02	1723	DCF	AA3

**Single Analyte Data**  
**Sample Batch Information**  
**Analysis : Hg**

Matrix : AQUEOUS

Batch # 84744

Sample ID	Tag	Preparation			Notes	Analysis			Inst
		Date	Time	By		Date	Time	By	
84744BLK	Hg	11/27/02	0910	EO		11/27/02	1217	EO	HG1
84744LCS	Hg	11/27/02	0910	EO		11/27/02	1222	EO	HG1
84744LCSD	Hg	11/27/02	0910	EO		11/27/02	1302	EO	HG1
167119-3MS	Hg	11/27/02	0910	EO		11/27/02	1304	EO	HG1
167119-3MSD	Hg	11/27/02	0910	EO		11/27/02	1306	EO	HG1
167119-4DUP	Hg	11/27/02	0910	EO		11/27/02	1309	EO	HG1
167119-2	Hg	11/27/02	0910	EO		11/27/02	1312	EO	HG1
167119-1	Hg	11/27/02	0910	EO		11/27/02	1316	EO	HG1
167119-1	Hg	11/27/02	0910	EO	DISSOLVED	11/27/02	1318	EO	HG1
167119-2	Hg	11/27/02	0910	EO	DISSOLVED	11/27/02	1323	EO	HG1
167119-3	Hg	11/27/02	0910	EO		11/27/02	1325	EO	HG1
167119-3	Hg	11/27/02	0910	EO	DISSOLVED	11/27/02	1328	EO	HG1
167119-4	Hg	11/27/02	0910	EO	DISSOLVED	11/27/02	1330	EO	HG1
167119-4	Hg	11/27/02	0910	EO		11/27/02	1332	EO	HG1
167119-5	Hg	11/27/02	0910	EO	DISSOLVED	11/27/02	1335	EO	HG1
167119-5	Hg	11/27/02	0910	EO		11/27/02	1337	EO	HG1
167119-6	Hg	11/27/02	0910	EO	DISSOLVED	11/27/02	1400	EO	HG1
167119-6	Hg	11/27/02	0910	EO		11/27/02	1402	EO	HG1
167119-7	Hg	11/27/02	0910	EO	DISSOLVED	11/27/02	1405	EO	HG1
167119-7	Hg	11/27/02	0910	EO		11/27/02	1407	EO	HG1
167119-8	Hg	11/27/02	0910	EO	DISSOLVED	11/27/02	1409	EO	HG1
167119-8	Hg	11/27/02	0910	EO		11/27/02	1411	EO	HG1
167119-8	Hg	11/27/02	0910	EO		11/27/02	1414	EO	HG1
167120-1	Hg	11/27/02	0910	EO		11/27/02	1416	EO	HG1
167175-1	Hg	11/27/02	0910	EO		11/27/02	1418	EO	HG1
167122-1	Hg	11/27/02	0910	EO		11/27/02	1418	EO	HG1





# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Services  
110 Technology Parkway, Norcross, GA 30092  
(770)734-4200 FAX.(770)734-4201

## LOG-IN CHECKLIST

Attn: Mr. Brent Jacobs

Client: URS - ATLANTA GA ATLANTA

Project: Red Panther Clarksdale MS, Project#37778-010

Recvd : 11/26/2002

Logged By: CF

NPDES:

Work Order: 167175

### OBSERVATIONS

#Samples: 1

#Containers: 3

pH: labeled pres

Temp(C): 4

Ice: Yes

Custody Seal(s): Intact

### CHECKLIST ITEMS\*\*

- |  |     |
|--|-----|
| 1. COC included with Samples                     | Yes |
| 2. Chain of Custody Complete                     | Yes |
| 3. Sample Container(s) Intact                    | Yes |
| 4. Sample Container(s) Match COC                 | Yes |
| 5. Params Designated by Client on COC            | Yes |
| 6. Temperature in Compliance                     | Yes |
| 7. Sufficient Sample Volume for Analysis         | Yes |
| 8. Zero HeadSpace Maintained for VOA Analyses    | N/A |
| 9. Samples properly preserved                    | Yes |
| 10. Samples Received within Allowable Hold Times | Yes |

*Metals per SB conversation with Client.*

*BAM 11-26-02*



**Appendix J**

**Storm Water Disposal Manifests**



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
CESQG

Manifest Document No. 2

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

Red Panther Chemical  
550 Patton Clarksdale Ms 38614  
(901) 481-2948 David Moore Hepaco

4. Generator's Phone ( )

61 NR000019265  
US EPA ID Number

C. State Transporter's ID

5. Transporter 1 Company Name

D. Transporter's Phone (612) 764-4448

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Excel Tech Inc.  
602 Rivergate Road  
Memphis, TN 38109

10. US EPA ID Number

ITND980647024

G. State Facility's ID

H. Facility's Phone (901) 774-8145

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

12. Containers No. Type

13. Total Quantity

14. Unit W/Vol

15. Waste No.

a. Non-hazardous, Non-Regulated Liquid

00

T

5529

G

J. Additional Descriptions for Materials Listed Above

a. MIF #5061-001, Non-Haz Liquid

K. Handling Codes for Wastes Listed Above

D80/H111

15. Special Handling Instructions and Additional Information

ROR No 19382 Certificate of Destruction Requested  
24 HOUR EMERGENCY PHONE CONTACT (901) 345-6333

Allen Higginbotham

COYES

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

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

On Behalf of Red Panther  
Eddie Spears Jr

Signature

Month Day Year

11/21/01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Dale W Dieterle

Signature

Month Day Year

1/21/01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Nancy Lawrence

Signature

Month Day Year

1/21/01

ORIGINAL-RETURN TO GENERATOR



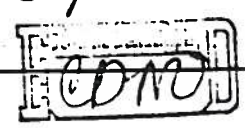

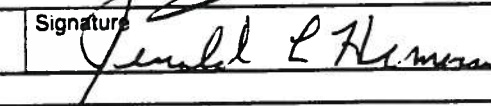
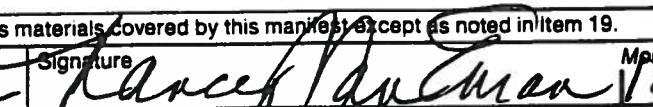
<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>C E S Q G</b>		Manifest Document No. <b>4</b>	2. Page <b>1</b> of <b>1</b>	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Red Panther Chemical</b> <b>550 Patton, Clarksdale, Ms 38614</b> <b>(901) 481-2948</b> <b>David Moore / Hepaco</b>					4. State Generator's ID		
4. Generator's Phone				5. Transporter 1 Company Name <b>Carson's Transport, LLC</b>		6. US EPA ID Number <b>61 NR 0000 19 2 6</b>	
7. Transporter 2 Company Name				8. US EPA ID Number		9. State Transporter's ID	
9. Designated Facility Name and Site Address <b>002 Rivergate Road</b> <b>Memphis, TN 38109</b>				10. US EPA ID Number <b>T N D 9 8 0 8 4 7 0 2 4</b>		11. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers		13. Total Quantity	14. Unit W/Vol
a. <b>Non-hazardous, Non-Regulated Liquid</b>				No. <b>0 0</b> Type <b>T T</b>		<b>6.5.5.75</b>	<b>G</b>
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above a. <b>MPL#5061-001, Non-Haz Liquid</b>					K. Handling Codes for Wastes Listed Above <b>D80/HILL</b>		
15. Special Handling Instructions and Additional Information RDR No <b>19384</b> Certificate of Destruction Requested <b>24 HOUR EMERGENCY PHONE/CONTACT: (901) 345-6335</b> <b>Allen Higginbotham</b>					<b>ACCEPTED</b>		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <b>Eddie Spears Jr Red Panther</b>					Signature 		Month Day Year <b>11/21/01</b>
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Terrell L. Hinson</b>					Signature 		Month Day Year <b>11/21/01</b>
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name					Signature		Month Day Year
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name <b>Nancy Lou Emar</b>							
Signature 					Month Day Year <b>11/13/01</b>		

**ORIGINAL-RETURN TO GENERATOR**



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>C E S Q G</b>	Manifest Document No. <b>5</b>	2. Page <b>1</b> of <b>1</b>	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>Red Panther Chemicals 550 Patton, Clarksdale, Ms 38614 (601) 481-2948 David Moore Hepaco</b>			A. State Manifest Document Number		B. State Generator's ID
4. Generator's Phone		5. Transporter 1 Company Name <b>Carlson's Transport LLC</b>		6. US EPA ID Number <b>61 NR 0000 019 2 6 5</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
9. Designated Facility Name and Site Address <b>Excel TSD, Inc. 552 Rivergate Road Memphis, TN 38109</b>		10. US EPA ID Number <b>T N D 9 8 0 8 4 7 0 2 4</b>		D. Transporter's Phone <b>(812) 454-4448</b>	
				E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone <b>(901) 774-8149</b>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers	13. Total Quantity	14. Unit W/Vol
			No. Type		
a. <b>NON-FLAMMABLE LIQUID</b>			<b>0 0 T</b>	<b>0.5433</b>	<b>G</b>
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above <b>a. MPP#5061-001, Non-Haz Liquid</b>				K. Handling Codes for Wastes Listed Above <b>D80/H111</b>	
15. Special Handling Instructions and Additional Information <b>ROR No 19395 Certificate of Destruction Requested 24 HOUR EMERGENCY PHONE CONTACT (801) 345-6935</b>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name <b>Red Panther</b>			Signature <i>[Signature]</i>		Month Day Year <b>1/2/10</b>
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Jerald L. Hinson</b>			Signature <i>[Signature]</i>		Month Day Year <b>1/2/13</b>
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature		Month Day Year
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>Nancy Van Eman</b>					
			Signature <i>[Signature]</i>		Month Day Year <b>1/13/10</b>



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CESQG</b>	Manifest Document No. <b>3</b>	2. Page <b>1</b> of <b>1</b>	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Red Panther Chemical</b> <b>550 Patton, Clarksdale, Ms 38614</b> <b>(901) 481-2948</b> <b>David Moore Hepaco</b>				A. State Manifest Document Number		
4. Generator's Phone (901) 481-2948				B. State Generator's ID		
5. Transporter 1 Company Name <b>Carlson's Transport LLC</b>		6. US EPA ID Number <b>NR000070265</b>		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (812) 454-4446		
9. Designated Facility Name and Site Address <b>Excel TSD, Inc.</b> <b>552 Rivergate Road</b> <b>Memphis, TN 38105</b>		10. US EPA ID Number <b>TN0980847024</b>		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone (901) 774-8145		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. <b>Non-hazardous, Non-Regulated Liquid</b>		<b>00</b>	<b>T</b>	<b>0.4167</b>	<b>G</b>	
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above <b>a. MP #5051-001, Non-Haz Liquid</b>				K. Handling Codes for Wastes Listed Above <b>D80/H111</b> 		
15. Special Handling Instructions and Additional Information <b>RUP No 1988 Certificate of Destruction requester</b> <b>24 HOUR EMERGENCY PHONE CONTACT (901) 345-8300</b> <b>Allen Higginbotham</b>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name <b>Eddie Spars Jr</b>		Signature 		Month Day Year <b>11/21/08</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <b>Jerald L. Hinson</b>		Signature 		Month Day Year <b>11/21/08</b>
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name <b>Nancy Van Eman</b>		Signature 		Month Day Year <b>11/21/08</b>		



# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
**C E S Q G**

Manifest Duplicate No. **6**

2. Page **1** of **1**

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

**Red Panther Chemical**  
**550 Patton, Clarksdale, Ms 38614-**  
**(901) 481-2948**

**David Moore / Hepaco**

4. Generator's Phone

5. Transporter 1 Company Name

**Hepaco**

6. US EPA ID Number

**INR00002285**

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

**Excel TSD, Inc.**  
**552 Rivergate Road**  
**Memphis, TN 38109**

10. US EPA ID Number

**TND98084702**

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

a. **Non-hazardous, Non-regulated Liquid**

12. Containers  
No. Type

**00 T**

13. Total Quantity

**0.1900**

14. Unit W/Vol

**G**

J. Additional Descriptions for Materials Listed Above

a. **MPP15061-001, Non-Haz Liquid**

K. Handling Codes for Wastes Listed Above

**D80/HM**



15. Special Handling Instructions and Additional Information

**ROR No 19386**

**Certificate of Destruction Requested**

**24 HOUR EMERGENCY PHONE/CONTACT**

**(501) 345-6333**

**Allen Higginbottom**

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

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Printed/Typed Name

**ON Behalf of**

Signature

Month Day Year

**Eddie Spears, Jr Red Panther**

**1/21/00**

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

**Dan Cox**

Signature

Month Day Year

**1/21/00**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

**Nancy Lan Emano**

Signature

Month Day Year

**1/21/00**

