The Ducane Company
Phase I & Limited Phase II
Environmental Site Assessment
(ESA)
Blackville, South Carolina

August, 1999

Environmental Resources Management



TABLE OF CONTENTS

EXE	CUTIV	E SUMMARY	ES-1
1.0	INTI	RODUCTION	1-1
2.0	SITE	DESCRIPTION	2-1
	2.1	TOPOGRAPHY	2-1
	2.2	GEOLOGY	2-1
3.0	SITE	HISTORY	3-1
	3.1	AERIAL PHOTOGRAPHS	3-1
	3.2	PREVIOUS ASSESSMENTS	3-2
	3.3	INTERVIEWS	3-3
4.0	SUR	ROUNDING PROPERTIES	4- 1
5.0	SITE	INSPECTION	5-1
	5.1	SITE WALKOVER	5-1
	5.2	SOLID/HAZARDOUS WASTE MANAGEMENT	5- 2
	5.3	WATER QUALITY	5- 2
	5.4	AIR EMISSIONS	5-4
	5.5	STORAGE TANKS	5-4
	5.6	PESTICIDE/HERBICIDE/FUNGICIDE MANAGEMENT	5-6
	5.7	ASBESTOS-CONTAINING MATERIALS (ACMs)	5- 6
	5.8	POLYCHLORINATED BIPHENYLS (PCBs)	5- 6
	5.9	RADON	5-7

6.0	REG	ULATORY REVIEW	6-1
	6.1	DATABASE REVIEW	6-1
	6.2	SCDHEC FOIA REVIEW	6-2
7.0	PHA	SE II ASSESSMENT	7-1
	7.1	SOIL BORINGS	7-1
	7.2	LABORATORY ANALYSES	7- 5
	7.3	ANALYTE SOURCE AND SCREENING LEVELS	7-5
8.0	CON	CLUSIONS AND RECOMMENDATIONS	8-1
	8.1	CONCLUSIONS	8-1
	8.2	RECOMMENDATIONS	8-3
90	TIM	ITATIONS	9-1

LIST OF APPENDICES

- A SITE PHOTOGRAPHS
- B ACM LABORATORY ANALYTICAL REPORT
- C REGULATORY DATABASE SEARCH
- D SOIL LABORATORY ANALYTICAL REPORTS

LIST OF FIGURES

- 2-1 Site Location
- 2-2 Building Layout
- 2-3 Site Layout
- 7-1 South Sample Locations
- 7-2 North Sample Locations

LIST OF TABLES

- 6-1 Database Search Summary
- 7-1 Photoionization Detector Results and Sample Depths
- 7-2 Detected Analytes
- 7-3 MCLs and RBSLs for Detected Analytes

On June 1, 1999, Eric White of Environmental Resources Management (ERM) initiated a Phase I Environmental Site Assessment (ESA) in accordance with the ASTM Standards for Environmental Site Assessments for Commercial Real Estate, E 1527-97 for The Ducane Company in Blackville, Bamburg County, South Carolina. A limited Phase II assessment of the soil quality at the capillary fringe was also performed. The ESA focused on a description of the site's past and current activities, identification of potential on-site and off-site sources of contamination, determination of current regulatory status, and an identification of potential long-term liabilities regarding on-site contamination. An on-site and area inspection was performed, available information collected and reviewed, interviews conducted with both inside and outside parties, and soil sampling was conducted. Section 1.0 provides a more comprehensive listing of the items included in the ESA.

The Ducane site has been in operation since 1968 and produces gas grills, furnaces and air conditioners. The site is approximately 105 total acres with approximately 19 acres developed. Main structures at the site include a production building approximately 375,000 square feet in size and a research and development building approximately 13,000 square feet in size.

General housekeeping of the site was observed to be fair to good. Based on a review of available site and regulatory documents, the site appears in compliance with current hazardous waste, wastewater, stormwater and air regulations.

Areas of concern observed during the site inspection include a vent pipe and potential presence of a UST at the southwest corner of the production building. The solvent and waste solvent storage area also presents a concern due to lack of containment in its history.

Based on the soil samples from the capillary fringe, it would appear the groundwater in the area of the production building (sample locations SB-1, SB-4, SB-9, and SB-15) has potential to be impacted by VOCs. Detected VOCs are similar to compounds known to currently or previously used by Ducane and include naphthalene, xylene, ethyl benzene, toluene, trichloroethene, 1,2,4-trimethylbenzene and 1,1,2,2,-tetrachloroethene.

The established SCDHEC Risk Based Screening Levels for soils were reported to be exceeded for ethylbenzene and naphthalene in samples SB-1 and SB-9; respectively.

The status of a UST at the southwest corner of the production building should be determined. If not previously abandoned, the UST should be abandoned in accordance with applicable regulations.

1.0 INTRODUCTION

On June 1, 1999, Environmental Resources Management (ERM) initiated a Phase I Environmental Site Assessment (ESA) in accordance with the ASTM Standards for Environmental Site Assessments for Commercial Real Estate, E 1527-97 for The Ducane Company (site) located in Blackville, Bamburg County, South Carolina. A limited Phase II assessment of the soil at the groundwater table (capillary fringe) was also performed. The purpose of the ESA was to identify potential on-site and off-site sources of contamination and make a reasonable determination regarding the environmental quality of the site. In accordance with ERM's proposals, the ESA included:

- A review of readily available records regarding the site history to identify previous owners who possibly used, generated, stored, treated, or disposed of chemicals or hazardous materials on site.
- A general interpretation of the area's topography, geology and hydrology.
- A visual inspection of the site and surrounding properties was conducted to identify potential sources of chemical contamination such as underground storage tanks, aboveground storage tanks, potential sources of polychlorinated biphenyls, chemicals and hazardous materials. Surficial evidence of contamination such as vegetative stress, stained soil, or stained concrete was also noted.
- Sampling of suspect materials was conducted to determine the potential presence and condition of asbestos-containing materials.
- An evaluation of surrounding land use, including potential receptors and sources of contamination.
- A review of regulatory databases of the U.S. Environmental Protection Agency (US EPA) and the South Carolina Department of Health and Environmental Control (SCDHEC) for the subject site and surrounding sites within a one-mile radius of the subject property.
- Soil sampling and analyses to determine soil quality at the groundwater table (capillary fringe).
- A narrative report on the property, which describes the results of all tasks described above and determines the necessity of further site investigation.

ERM 2-1 9489/ERMSW-8/5/99

2.0

As shown in Figure 2-1, the site is located at 118 West Main Street in Blackville, Bamburg County, South Carolina. The subject site is approximately 105 total acres with approximately 19 acres developed. The site contains two buildings on the south portion of the site. The production facility is approximately 375,000 square feet and the research and development building is approximately 13,000 square feet. The north portion of the site is primarily wooded with an access road located along the east property line. The layout of the buildings is included as Figure 2-2 and the property lines are presented in Figure 2-3. A more detailed discussion of the site and site history is provided in Sections 3.0 and 5.0.

2.1 TOPOGRAPHY

The site and vicinity are slightly undulating. An unnamed tributary of the Windy Hill Creek borders the west property line and drains from south to north. The Windy Hill Creek is located approximately one mile to the north of the subject site. The subject site's elevation is approximately 280 feet above mean sea level (MSL).

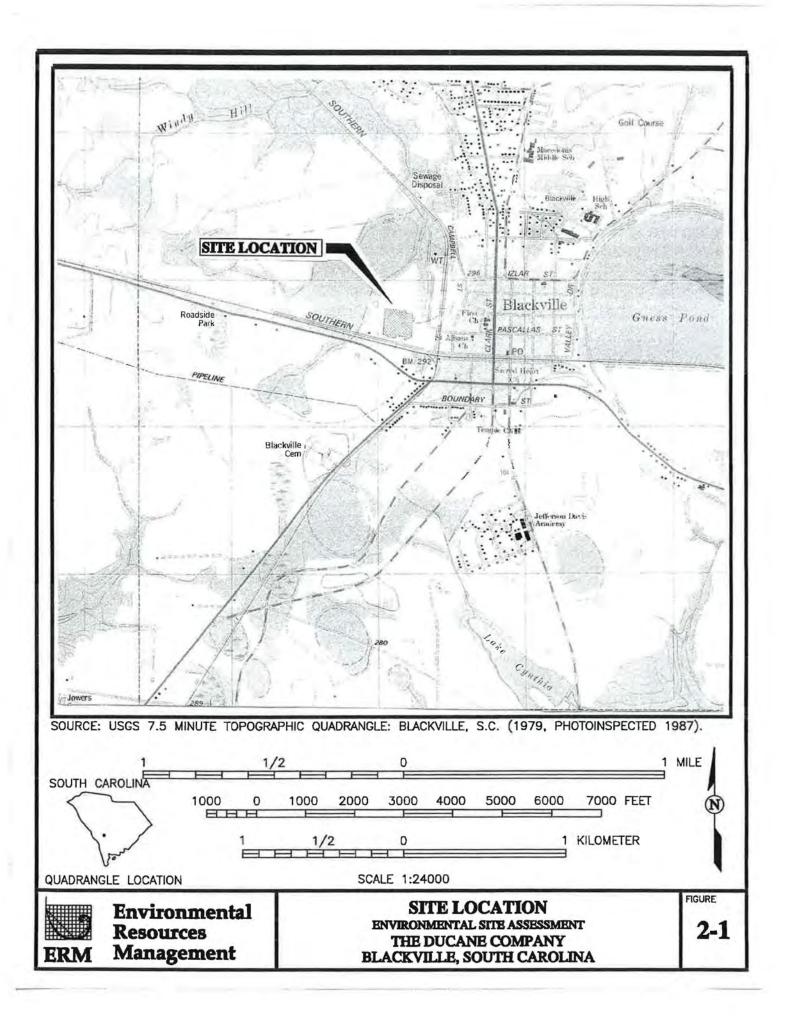
2.2 GEOLOGY

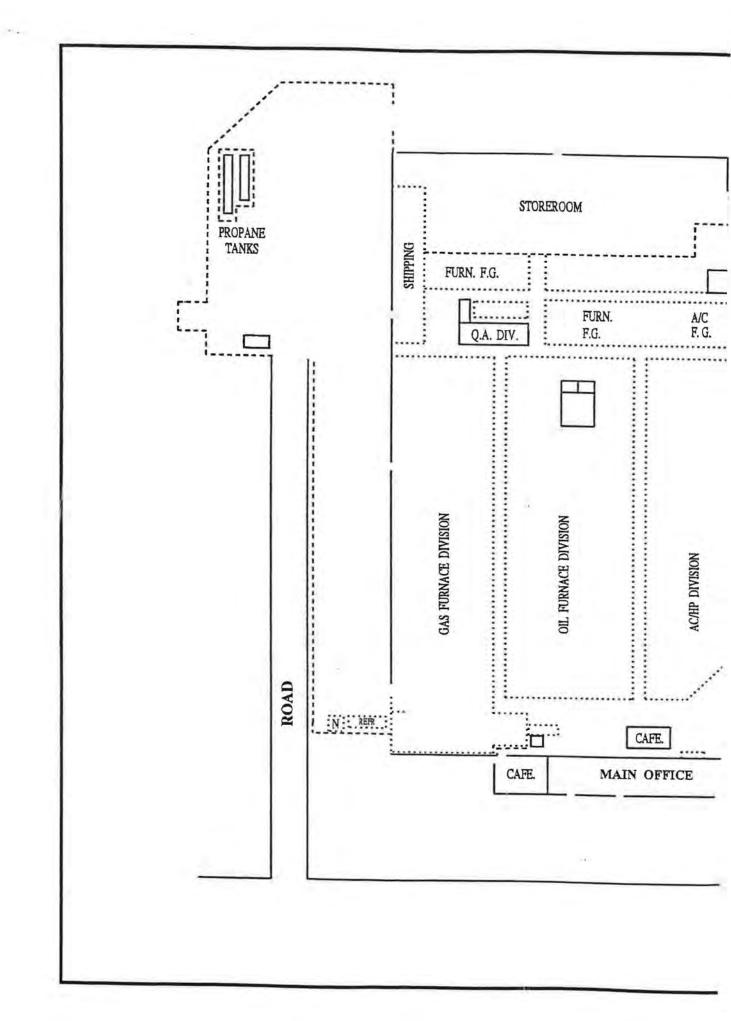
The United States Department of Agriculture – Soil Conservation Service's Soil Survey of Barnwell County, South Carolina, Eastern Part classifies oils at the site as Duplin and Rembert. The Duplin series is located primarily around the production facility and the Rembert series is located at the tributaries along the west and east property lines.

The Duplin series consists of deep, moderately well drained soils on uplands. These soils formed in clayey Coastal Plain sediment. A representative profile of the Duplin series consists of an eight-inch thick sandy loam surface layer followed by a sandy clay to clay to 72 inches deep.

The Rembert series consists of deep, poorly drained soils. The soils formed in loamy Coastal Plain sediment. A representative profile of the Rembert series consists of a five-inch thick loam surface layer followed by a clay to 33 inches deep and a sandy clay loam from 33 to 50 inches deep.

Soils encountered during Phase II activities appeared consistent with the Duplin and Rembert series. The Phase II activities are discussed further in Section 7.0.





L1 - N 09'05'31' E 81.33'



Environmental Resources Management SITE LAYOUT
ENVIRONMENTAL SITE ASSESSMENT
THE DUCANE COMPANY
BLACKVILLE, SOUTH CAROLINA

FIGURE

2-3

3.0 SITE HISTORY

Historical information was obtained and reviewed in search for records documenting any activities that may have adversely impacted the subject site. Information obtained includes aerial photographs of the subject site and surrounding properties, maps, former assessments and interviews with persons knowledgeable of the site's history.

3.1 AERIAL PHOTOGRAPHS AND MAPS

Aerial photographs and maps were reviewed in order to determine previous land uses at the subject site and surrounding properties. Aerial photographs were reviewed from.

1938 (1" = 1,320') aerial photograph – The subject site appears primarily utilized for agriculture with no apparent structures.

1965 (1" = 1320") aerial photograph - Hope Avenue is present. The lands of the Production Building and immediately north are cleared. Small structures are present along a railroad to the south.

1974 (1:20,000) aerial photograph—The production facility is present. Lands to the north of the production facility appear to have been cleared. The railroad track and spur are present along the east portion of the subject site with residential development to the east of the tracks. Lands to the west and north of the subject site are wooded.

1979 (1:24,000) USGS topographic map – The production facility is present and a small structure is present at the southwest corner of the site. The area to the north of the production facility is represented in white indicating the area was cleared. The railroad track and spur are present along the east portion of the site and a railroad is present along the south property line.

3.2 PREVIOUS ASSESSMENTS

A previous assessment, *Initial (Phase I) Environmental Assessment of a Facility Owned by the Ducane Company, Blackville, South Carolina*, was prepared to render an opinion of potential for significant contamination that could require substantial costs to remediate. The assessment was prepared by Water and Air Research, Inc. and dated June, 1994.

Mr. Frank Ducate provided a history of the plant processes. Ducane has been operating at the subject site since 1968. The primary raw material is steel, which arrives in coils. The steel is put through a series of fabricating procedures. Fabricated parts are assembled into gas furnaces and oil-fired furnaces. Aluminum parts are fabricated into barbecue grills. Aluminum parts were cast on site in a foundry until June, 1994 when Ducane started purchasing castings from an outside source. The original product line was furnaces, with gas barbecue grills added in 1977. A single paint line is used to paint parts used in constructing barbecue grills. A second paint line was in operation until 1992 when its needs were eliminated by purchasing pre-painted steel. Welding, a former major component of the oil-furnace manufacturing process, has been reduced from 50 to 60 welders to five or six. A print shop used to produce labels and instructions has replaced a mimeograph process with a computergenerated process.

The Production Building's original size was approximately 80,000 square feet. In 1970 and 1972, a series of expansions increased building size to 375,000 square feet. A research and development (R&D) building was constructed in 1990 and 1998 with a total square footage of approximately 13,000 square feet.

An interview with a Blackville resident indicated previous land usage was primarily agricultural. A plantation house was formerly located on the southeast corner of the subject site. Homes originally constructed along Hope Avenue were for construction employees in the area around the 1950s. The house were auctioned and moved away in the 1960s.

Findings of the previous assessment included:

- Paints and solvents have been used in the process for the life of the plant. Raw materials have not always been stored on concrete pads within containment walls. Waste disposal methods prior to the institution of strict environmental controls are not known.
- No USTs are known to have been used by Ducane (see Section 5.5).
 Homes formerly located along Hope Avenue may have utilized USTs.

- Aerial photograph review indicated that portions of the property apparently were cleared and scraped prior to the construction of the existing plant. Refuse was observed along an access road to the cleared area. Smaller amounts of debris were noted in the undeveloped portion of the property north of the plant building. Dumping in these areas is believed to have occurred without the knowledge or authorization of Ducane staff.
- No septic tanks are known to have existed on the subject property.
- Exterior conditions observed included a slight sheen observed on standing water in the area where trucks are maintained, as well as staining observed around an aboveground fuel storage tank at the south side of the Production Building.
- The only known prior uses were agricultural and residential.
- Current nearby property usage is primarily residential and undeveloped. A freight depot and a bulk fuel storage area were previously located immediately east of the property.
- The site was incorrectly listed in the leaking underground storage tank database.
- A Ducane employee who has been involved with the site since prior to construction stated that asbestos was not used in construction and that no PCB-containing equipment has been used on the subject property.

The assessment concluded that potential for contamination existed in the north and northeast portions of the property, where waste disposal unauthorized by Ducane has occurred and where residential USTs may exist or may have existed. Other areas identified with the potential for contamination include the waste solvent storage area and the vicinity of the aboveground diesel storage tank at the south side of the Production Building.

3.3 INTERVIEWS

Three Ducane employees were interviewed regarding site history and potential environmental concerns.

Mr. Frank Ducate, Director of Human Resources, has been at the subject site for 31 years, its production history. Mr. Ducate indicated much of the site history is as he reported in the former ESA discussed in Section 3.2.

Mr. Ducate also indicated that to his knowledge there were no significant environmental concerns associated with the site.

Mr. Mike Bianco, the Environmental and Safety Manager, has been at the site for 4 years. Mr. Bianco revealed the presence of the vent pipe and potential UST at the southeast corner of the Production Building (see Section 5.5). Mr. Bianco also knew of an area of oil staining on the floor and north wall of the Production Building. The staining was the result of a leaking grinder in the tool and dye area.

Mr. Ralph Zorn, the Maintenance Supervisor, has been at the site over ten years. Mr. Ralph Zorn knew of no significant environmental concerns associated with the subject site.

Adjacent property owners are listed on a December 5, 1990 plat for Ducane Industries, Inc. prepared by W.R. Toole Engineers, Inc. The plat lists lands owned by Hutto to the north, lands owned by Fanning to the west, S.C. State Road S-6-84 to the south and Southern Railroad to the east. The plat also references a one acre outparcel for a water tower located on the northeast portion of the site, approximately five acres of state and county roads on east portion of the site, 0.01 acre outparcel for a pumping station on the southeast portion of the site and approximately 0.4 acre for a railroad spur track on the southeast portion of the site.

During the site visit, observations were made of properties surrounding the subject site. A railroad track is present to the south of the site. The Railroad spur referenced in the 1990 plat on the southeast portion of the site was no longer present. Residential development was observed to the east and north of the subject site. Undeveloped lands were observed to the west of the subject site. Commercial and residential development is present to the south of the subject site.

An environmental database search was conducted for surrounding properties with the potential to impact the subject site. Surrounding properties reported in the database search are discussed further in Section 6.1.

5.1 SITE WALKOVER

A visual inspection of the site was conducted on June 2, 1999, by Eric White and Rodney Truman of ERM. Mr. Ducate was present for the majority of the walkover. The site walkover included an inspection of the grounds and adjacent properties. The objective of the site inspection was to assess the general site conditions and to visually inspect representative areas for evidence of soil, surface water, groundwater or air impacts. Any activities taking place on the site were also assessed for the presence or use of hazardous materials. A copy of the photographs taken while on site are provided in Appendix A.

The property was evaluated for signs of open dumping of trash; areas of dead, distressed, or dying vegetation; stained soils; indications of buried objects; impoundment's; seeps; oil sheen's; discernible chemical odors; storage tanks; vent pipes or fill caps for underground storage tanks; recent soil disturbances such as grading or filling; and evidence of the presence of oils and hazardous substances.

Grounds

The subject site is approximately 105 total acres with approximately 19 acres developed. The site contains two buildings on the south portion of the site. The production building is approximately 375,000 square feet and the R&D building is approximately 13,000 square feet. The north portion of the site is primarily wooded with Hope Avenue, an access road owned by the county, located along the east property line. A small pond is located to the northwest of the production facility and utilized for fire water and production purposes. An unnamed tributary to the Windy Hill Creek borders the west property line and flows through the northern portion of the site.

Utilities

South Carolina Electric & Gas (SCE&G) provides electricity and natural gas to the site. Potable water is supplied by the Town of Blackville and sanitary wastewaters are discharged to the Town of Blackville Waste Water Treatment Plant (WWTP).

5.2 SOLID/HAZARDOUS WASTE MANAGEMENT

Solid or Non-Hazardous Wastes

General office trash and nonrecyclable packaging materials are stored in a compactor truck and disposed at the Barnwell County Landfill. Scrap metal is stored in roll-off containers and sold to Columbia Steel. Used oil, oil dry and waste coolant and water are disposed of at CWM Resource Management, Inc. in Morrow, Georgia. Used drums are reused to contain wastes or sent to Dependable Drum in Greenville, South Carolina for recycling. Cardboard, pallets and some plastics are recycled.

Hazardous Waste

The subject site is a Large Quantity Generator (LQG) of hazardous waste with an EPA identification number of SCD045634326. A June, 1998 SCDHEC inspection reported the site generated for the first quarter of 1998: 3,200 pounds of paint solvent, 44,500 pounds of paint sludge and 250 pounds of used oil. All hazardous wastes are currently shipped to CWM Resource Management, Inc. in Morrow, Georgia.

5.3 WATER QUALITY

During the site inspection, particular attention was given to the potential presence or indications of water/wastewater or hazardous substance discharge. Discharges may include or be indicated by items such as stained or discolored soils, seeps or oil sheens.

Water

Potable water is supplied to the subject site by the Town of Blackville. Water utilized for production purposes is supplemented from three onsite wells. The wells are located to the northeast and northwest of the production building and to the east of the R&D building. The wells reportedly range from approximately 200 to 400 feet deep. The South Carolina Department of Natural Resources was contacted to determine if the wells were registered. The SCDNR reported the wells were not registered and could provide no information on the wells.

Wastewater

The Town of Blackville has issued the subject site an Industrial User Permit (Permit Number 001). The permit is effective from November 1, 1997 to October 31, 2002. During the effective period, the subject site is

authorized to discharge process wastewater to the Town of Blackville WWTP. The permit limits discharge to the sewer to 50,000 gallons per day.

Industrial User Pretreatment Inspection Forms from the Town of Blackville WWTP for December, 1997 and January, 1999 gave the subject site a satisfactory rating. The subject site utilizes muriatic acid and caustic soda to neutralize pH prior to discharge. The process wastewater from the painting operation is discharged as a batch every weekend.

The subject site has been issued a NPDES General Permit for Utility Water Discharges (Permit Number SCG250060). The permit expired on May 31, 1999 and the subject site has applied for renewal. Although the permit has expired, a May 26, 1999 SCDHEC correspondence states the facility has fulfilled its statutory obligations by submitting a renewal application and the general permit will remain fully effective and enforceable pending processing of the application.

The General Permit for Utility Water Discharges is for discharge of noncontact cooling water to the small pond at the northwest corner of the production building. The pond recycles water back into the production through a closed loop process. An outfall exists on the northwest side of the pond that drains to an unnamed tributary of Windy Hill Creek. SCDHEC inspections of the pond for various dates from 1991 to 1997 gave the pond a satisfactory rating.

Storm Water

The subject site has been issued a NPDES General Permit for Storm Water Discharges Associated with Industrial Activity (Permit Number SCR000813). The facility maintains a Storm Water Pollution Prevention Plan (SWP3) in accordance with the permit.

Storm water discharges from the east and west sides of the plant to unnamed tributaries of Windy Hill Creek. Industrial activity on the west side of the facility is limited to unloading of purchased components and loading of finished goods. Industrial activity on the east side of the facility include loading and unloading activities, hazardous material and waste storage, scrap steel storage, solid waste storage and pallet storage.

5.4 AIR EMISSIONS

The facility is a major source and has received their Part 70 Air Quality Permit (Permit No. TV-0300-0017). Permitted emissions sources are the spray paint line and the pyrolysis furnace. SCDHEC inspection reports for various dates from 1996 to 1998 indicate the facility was operating in compliance with all South Carolina Air Regulations and Standards. The subject site's Fiscal Year 1998 Air Emission Source Annual Operating Permit Invoice was for \$2,755.00. The fee was based on 86.6 tons of pollutants emitted with a fee of \$31.78 per ton.

The site maintains quantities of propane subjecting it to the EPA's Risk Management Program (RMP) requirements pending finalization of this "Stayed Rule". Work to address these requirements is ongoing.

5.5 STORAGE TANKS

During the site inspection, particular attention was given to the potential presence or indications of aboveground or underground storage tanks. Tanks might be present to store oil or other hazardous substances and be readily identifiable or be difficult to identify and require looking for vent pipes or fill caps.

Aboveground Storage Tanks (ASTs)

Table 5-1 lists AST contents, storage capacities and locations.

Table 5-1: AST Details
The Ducane Company
Blackville, South Carolina

Contents	Capacity	Location	Containment
Super High Flash	4,000	300 feet from east	Yes
Naphtha - 100 Flash (xylene, 1,2,4- trimethylbenzene,	gallons	side of production building	
cumene)	0.000	200.4	30
Solv G - 150 Flash	3,000	300 feet from east	Yes
(naphthalene)	gallons	side of production building	
No. 2 Fuel Oil	500 gallons	Northeast corner of R&D Building	Yes
No. 2 Fuel Oil	500 gallons	South side of Production Building	No
Propane	2 @ 102,000 pounds	500 feet from northwest corner of Production Building	No
Propane	2 @ 500 gallons	40 feet from east side of Production Building	No
Propane	500 gallons	Behind R&D Building	No
Nitrogen	10,500	75 feet from west	No
	pounds	side of Production Building	
Gentron 22 -	45,000	25 feet from west	No
Chlorodifluoromethane		side of Production Building	

Underground Storage Tanks (USTs)

A vent pipe was observed at the southwest corner of the production building. The vent pipe is reportedly associated with a UST of unknown size utilized to store No. 2 fuel oil for testing furnaces. The status of the UST is unknown and it was reportedly last used approximately 25 years ago. Soil sampling was performed in the area of the UST and is discussed in Section 7.0.

5.6 PESTICIDE/HERBICIDE/FUNGICIDE MANAGEMENT

During the site inspection, particular attention was given to the potential presence or indications of the use of pesticides, herbicides, or fungicides in quantities that might adversely impact the site's soil or water quality. Pesticide, herbicide, or fungicide uses might include the actual presence of the chemicals or be indicated by areas of dead, distressed or dying vegetation, stained or discolored soils, or discernible chemical odors.

No pesticide, herbicide, or fungicide storage or use was observed at the subject site during the inspection.

5.7 ASBESTOS-CONTAINING MATERIALS (ACMs)

During the site inspection, particular attention was given to the potential presence of ACMs that if disturbed or released could pose an adverse impact of the site's air quality. Suspect ACMs include such items as thermal insulation in areas such as conduit in pipes or ducts, boiler rooms, ceiling tiles or floor tiles.

Floor tile and ceiling tile in the office area of the main building were sampled and analyzed for asbestos content. Both materials reported no asbestos content. No other suspect materials were observed during the site visit. Sample results are provided in Appendix B. The interior of production equipment and the facility roof were not assessed for asbestos content.

5.8 POLYCHLORINATED BIPHENYLS (PCBs)

During the site inspection, particular attention was given to the potential presence of PCBs that if improperly used or disposed could pose an adverse impact on the site's soil and/or water quality. PCBs might be utilized in electrical and high-temperature industrial equipment such as transformers, capacitors and certain specialized hydraulic equipment.

Two pad-mounted transformers were observed south of the Production Building and east of the R&D Building. The transformers are owned and maintained by the SCE&G. Mr. Ducate stated to his knowledge no hydraulic oils containing PCBs have been used at the subject site. Mr. Bianco stated that unidentified oils in the maintenance department were tested for PCBs about 4 years ago and were found to be non-PCB containing.

5.9 RADON

During the site inspection, particular attention was given to the presence of areas that might allow the accumulation of radon gas to levels exceeding the US EPA's acceptable level of 4.0 picocuries/liter (pCi/L). Radon gas, which is naturally occurring in certain areas, might collect in poorly vented subsurface areas such as basements or crawl spaces.

Area radon information provided by the EDR database report indicates the average radon level for sites tested within the subject site's zip code is predicted to be < 2.0 pCi/L, well below the US EPA acceptable level. Also, there are no basements or crawl spaces present on site which may accumulate radon gas.

6.1 DATABASE REVIEW

An evaluation by Environmental Data Resources, Inc. (EDR) of available state and federal regulatory agency databases was completed to identify any existing or potential environmental hazards associated with the subject site. Table 6-1 below, lists standard environmental sources reviewed and search distances per ASTM E1527. The EDR database report is provided in Appendix C.

Table 6-1: Search Summary
The Ducane Company
Blackville, South Carolina

Database	Type of Record	Distance Searched (miles)	Number of Reported Sites
United Sta	ates Environmental Protection Agency	(US EPA) Data	abases
NPL	National Priority List	1.5	0
CORRACTS (TSD)	RCRA Corrective Actions and associated TSD	1.5	0
CERCLIS	Sites currently under review by US EPA	1	0
ERNS	Emergency Response Notification System of spills	TP	0
LG GEN	RCRA registered large quantity generator of hazardous waste	0.75	1
SM GEN	RCRA registered small quantity generator of hazardous waste	0.75	4
TSD	RCRA permitted treatment, storage, disposal facilities	1	0
NFRAP	No further remediation action planned sites	TP	1
FINDS	Facility Index System	TP	1
	State of South Carolina Databa	ses	
HWS	State Hazardous Waste Sites List	1.5	0
LUST	Leaking Underground Storage Tanks	1	6
SWLF	Permitted as solid waste landfills, incinerators or transfer stations	1	0
UST	Registered underground storage tanks	0.75	4

The subject site was reported in the Large Quantity Generator, Facility Index System (FINDS) and Toxic Chemical Release Inventory System (TRIS). None of these databases indicate contamination associated with the subject site.

Although there were a number of sites listed within the search radius for the database report, based on distance and topography with respect to the subject site, it appears these sites present minimal risk to environmentally impact the subject site. Six orphan sites, sites with inadequate address information, were also reported in the database report and determined to present minimal risk to the subject site.

6.2 SCDHEC FREEDOM OF INFORMATION ACT (FOLA) REVIEW

Environmental records for the subject site were reviewed at the SCDHEC Central Office in Columbia, South Carolina. Records were reviewed for hazardous waste, wastewater, and air. Some of the documents reviewed are summarized below.

Solid/Hazardous Waste

March 18, 1980 SCDHEC Letter Correspondence – J.M. Burckhalter of the SCDHEC suspends Ducane's disposal of paint sludge at the Barnwell County Landfill. The disposal was suspended due to the SCDHEC not granting prior approval to dispose the sludge at the landfill.

December 8, 1983 SCDHEC Letter Correspondence – C. Allen McEntire of the SCDHEC grants Ducane a variance from consideration of their paint waste as being hazardous. The approval is based upon laboratory results of the paint sludge submitted by Ducane.

January 30, 1984 SCDHEC Memorandum – The subject of the memorandum is a Generator Inspection performed of the Ducane facility by the SCDHEC. The memo states the paint sludge was disposed of at the SCA Services secured landfill in Sumter County. Once the December 8, 1983 variance of the waste was granted by the SCDHEC, the paint sludge was disposed at the Barnwell County Landfill. The sludge is generated at the rate of approximately one 55-gallon drum per day.

The waste solvents associated with the paint was recycled through Alternate Energy Resources Company in Augusta, Georgia. Solvent drums were noted to be in good condition but were not labeled. The solvent was also determined to be store on site greater than 90 days.

At the time of the SCDHEC visit, it was unknown what was done with waste oil. Company officials stated that they thought it was picked up by Alternate Energy Resources.

Housekeeping of the hazardous waste area was observed to be poor. Oil soaked soil was observed in the area. It was stated any oil-contaminated soil should be removed and disposed.

February 7, 1984 SCDHEC Letter Correspondence – The subject of the letter is an inspection performed at the Barnwell County Landfill. The area of the landfill used to store Ducane's paint wastes was not properly maintained. Drums were observed to be leaking paint waste and were indiscriminately piled on top of one another. The drums were not receiving daily cover. Drums were labeled prior to the issue of the paint sludge variance and some drums were labeled hazardous. Ducane was ordered to place waste in sealed drums and place the drums where they may receive daily cover.

April 24, 1985 Barnwell County Council Letter Correspondence – R.E. Hunter of the Barnwell County Council requests the SCDHEC to sample drums disposed at the landfill by Ducane to verify they do not contain any toxic materials.

October 29, 1985 SCDHEC Letter Correspondence – The SCDHEC reports to R. E. Hunter that the paint sludge was sampled and under the current hazardous waste regulations the sludge is not a hazardous waste.

November 14, 1986 Barnwell County Council Letter Correspondence – The letter states the Barnwell County Landfill will begin accepting drums again and outlines new drum accepting requirements.

December 9, 1986 SCDHEC Memorandum – The memorandum discusses a visit made by the SCDHEC to the Ducane Company on December 3, 1986. The memorandum states waste solvents and oil are sent to Alternate Energy Resources. Paint solids disposal at the Barnwell County Landfill was in limbo due to possible groundwater contamination at the landfill. Violations were found with hazardous waste manifesting, reporting, labeling and storage times. Oil contamination was also observed in the storage area. The contaminated area was noted to require "cleaning up".

December 18, 1986 SCDHEC Letter Correspondence – The letter denies Ducane authorization to dispose paint sludge at the Barnwell County Landfill.

January 7, 1987 SCDHEC Letter Correspondence – The SCDHEC informs Ducane the paint sludge may be shipped to Southland Exchange Joint Venture in Hampton, South Carolina for incineration. The letter requests Ducane inform the SCDHEC of their chosen disposal location.

May 6, 1987 SCDHEC Letter Correspondence – The letter informs Ducane of its violations during the December 3, 1986 inspection. Ducane violated manifesting, labeling, and quarterly reporting requirements.

July 1, 1987 Ducane Letter Correspondence – The letter informs the SCDHEC the contaminated soil observed during the December 3, 1986 inspection was disposed at Alternate Energy Resources. A manifest for seven drums of soil accompanies the letter.

September 21, 1987 SCDHEC Letter Correspondence/Administrative Consent Order 87-46-SW – The Consent Order orders Ducane to meet Hazardous Waste Generator requirements, remove observed contaminated soil and pay a civil penalty of \$3,000.000.

December 14, 1987 SCDHEC Memorandum – The memorandum discusses a sampling investigation conducted at the Barnwell County Landfill in June, 1987. The objective of the investigation was to assess the site and determined if sampled material would be hazardous waste and determine if disposal of these waste streams into the landfill present a significant impact to the environment and human health. Random sampling was performed of drums and sediments. Major contaminants found included ethyl benzene, toluene, benzene and dichloromethane. The memorandum concluded there seems to be a threat and the material meets the standard for hazardous waste.

February 18, 1988 Ducane Letter Correspondence – The letter requests permission from the SCDHEC to dispose of 700 drums of paint solids at Caldle (Appleton) Landfill.

May 31, 1988 EPA Memorandum – The EPA sampled and reviewed data from nine drums at the Barnwell County Landfill. It was concluded insufficient evidence existed to identify the contents of the drums as hazardous waste. The EPA will recommend the State perform an inspection of the facility.

June 27, 1988 SCDHEC Memorandum – The memorandum states the EPA determined there was insufficient evidence to proceed with at criminal investigation. Therefore, the criminal investigation was being closed and the case was referred to the Division of Compliance Monitoring and Enforcement for possible enforcement action as all drums tested were found to contain mostly liquid wastes.

August 3, 1988 Ducane Letter Correspondence – Ducane indicates to the SCDHEC that since March of 1988 Federal Environmental Services in Walterboro, South Carolina has been disposing the paint sludge. Handwritten notes on the letter indicate the sludge is going to Florida, Alabama and North Carolina for incineration.

August 17, 1988 SCDHEC Letter Correspondence – The SCDHEC informs Ducane that they have violated hazardous waste and sanitary landfill regulations for failure to determine if wastes are hazardous and not receiving prior approval to dispose of waste sludge in a sanitary landfill. A draft administrative consent order is attached to the correspondence.

July 1, 1991 Administrative Order On Consent, EPA Docket No. 91-25-C – The Consent Order was entered into by the EPA with Barnwell County, Ducane Heating Corporation and Riteway Machine and Specialty (Respondents). The Respondents stipulate that the EPA has made the necessary determinations regarding the release of hazardous substances as defined under CERCLA. Findings of Fact include:

- Sometime between 1973 and 1986, Ducane disposed of an undetermined amount of drums containing hazardous substances in the Barnwell County Landfill.
- Drums sampled contained the following hazardous substances: ethyl benzene, 1,1,2-trichloroethane, trichloroethane, 1,1,2,2tetrachloroethane, dichlorobenzene, 1,1,1-trichloroethane, benzene, bromodichloromethane and dichloromethane.
- Material in some drums contain D001 (ignitable) hazardous waste.

Respondents were ordered to remove drums and contaminated soils from the landfill under the supervision of the EPA.

June 16, 1998 SCDHEC Letter Correspondence – A generator inspection performed for the site found Ducane to be in substantial compliance with hazardous waste regulations.

Wastewater

June 25, 1980 McCall – Thomas Engineering Co., Inc. Letter Correspondence – Jacob Shuler, on behalf of the Town of Blackville, informs the SCDHEC that based on a questionnaire completed by Ducane, the only industrial discharger to the Blackville system, there appears to be no industrial waste discharged to the Blackville System. The questionnaire reported Ducane utilized approximately 4,000 gallons per day of potable water for sanitary use that was discharged to the sewer system and 24,000 gallons per day of well water that was used for cooling water and discharged to an on-site pond.

September 23, 1985 SCDHEC Memorandum – The SCDHEC plans to investigate discharges from the Ducane site to the sewer system. The memorandum was concerned with what process had been approved for Ducane.

October 10, 1985 Town of Blackville Letter Correspondence – Don Lewis of the Town of Blackville informs the SCDHEC that permit violations of the town's wastewater treatment plant are attributable to discharge resulting from Ducane.

January 30, 1986 Consent Order #86-12-W - Findings of Fact include:

- Domestic and some process wastewater from Ducane is discharged to the City of Blackville's waste treatment facility.
- The process water used in the painting operation is recirculated and regularly treated to precipitate the paint out of solution. This treatment process for the painting operation was established in 1968 but has never received a Permit to Construct or Permit to Operate from the SCDHEC.
- The once-through non-contact cooling water is discharged to a holding pond, originally constructed for fire protection, which discharges over a spillway to a wooded area.

It was ordered, consented to and agreed that Ducane would submit a permit application to discharge to the pond, submit water quality analyses, and plans and specifications for wastewater treatment.

May 26, 1999 SCDHEC Letter Correspondence (supplied by Ducane) - The subject site has been issued a NPDES General Permit for Utility Water Discharges (Permit Number SCG250060). The permit expired on May 31, 1999 and the subject site has applied for renewal. Although the permit has expired, the SCDHEC correspondence states the facility has fulfilled its statutory obligations by submitting a renewal application and the general permit will remain fully effective and enforceable pending processing of the application. The General Permit for Utility Water Discharges is for discharge of non-contact cooling water to the small pond at the northwest corner of the production building. The pond recycles water back into the production through a closed loop process. An outfall exists on the northwest side of the pond that drains to an unnamed tributary of Windy Hill Creek.

1991-1997 (various dates) SCDHEC Inspection Forms – The inspections are conducted of the pond at the northwest corner of the facility. The inspections were given an overall rating of "Satisfactory".

Air

October 21, 1997 SCDHEC Invoice – The invoice lists the total billable emissions and the total fee assessed for the Ducane facility. Fee amounts are derived by multiplying billable emissions by \$31.78 per ton. The Ducane facility had to pay \$2,755.00 for approximately 86 tons emitted. Approximately 85 of the 86 tons were for VOC pollutants.

March 11, 1999 Part 70 Air Quality Permit – The permit is effective from March 26, 1999 to February 28, 2004. Units permitted include the spray paint line and the pyrolysis furnace.

1995-1999 (various dates) SCDHEC Annual Inspection/Investigation Reports – With the exception of February, 1995, the Ducane facility was found to be operating in compliance with all South Carolina Air Regulations and Standards. In February, 1995 the facility was found to not be in compliance with submitting records and notifications.

7.0 PHASE II ACTIVITIES

On June 23 and 24, 1999, 15 borings were advanced to obtain soil samples from the capillary fringe (approximately 7 to 13 feet below ground surface) to provide a general indication of groundwater quality at the subject site. Borings were advanced to provide an interpretative assessment of the site's overall general groundwater quality as well as specific areas, including the hazardous waste and solvent storage area, UST area and dumping areas on the north portion of the site. Twelve borings were advanced in the area of the buildings on the south portion of the site, SB-1 through SB-10, SB-14 and SB-15, and three borings were advanced on the north portion of the subject site, SB-11, SB-12 and SB-13. Boring locations are provided on Figures 7-1 and 7-2.

7.1 SOIL BORINGS

A Geoprobe was utilized to direct-push a 1.5-inch corer to the capillary fringe. Soil samples were collected from the capillary fringe for laboratory analyses. Soil samples were screened with a photoionization detector (PID) every five feet and at the boring termination. The PID was calibrated to 100 parts per million isobutylene. PID readings and sample depths are presented in Table 7-1.

Soils encountered consisted primarily of sandy clays to clays. Saturated soils were encountered from six to 13 feet below land surface (bls). The borings were abandoned by backfilling with a cement/bentonite grout.

Soil samples were collected from the plastic-lined corer and transferred directly to laboratory supplied containers. Containers contained appropriate preservatives and were placed in an ice-filled cooler for transportation to the laboratory.

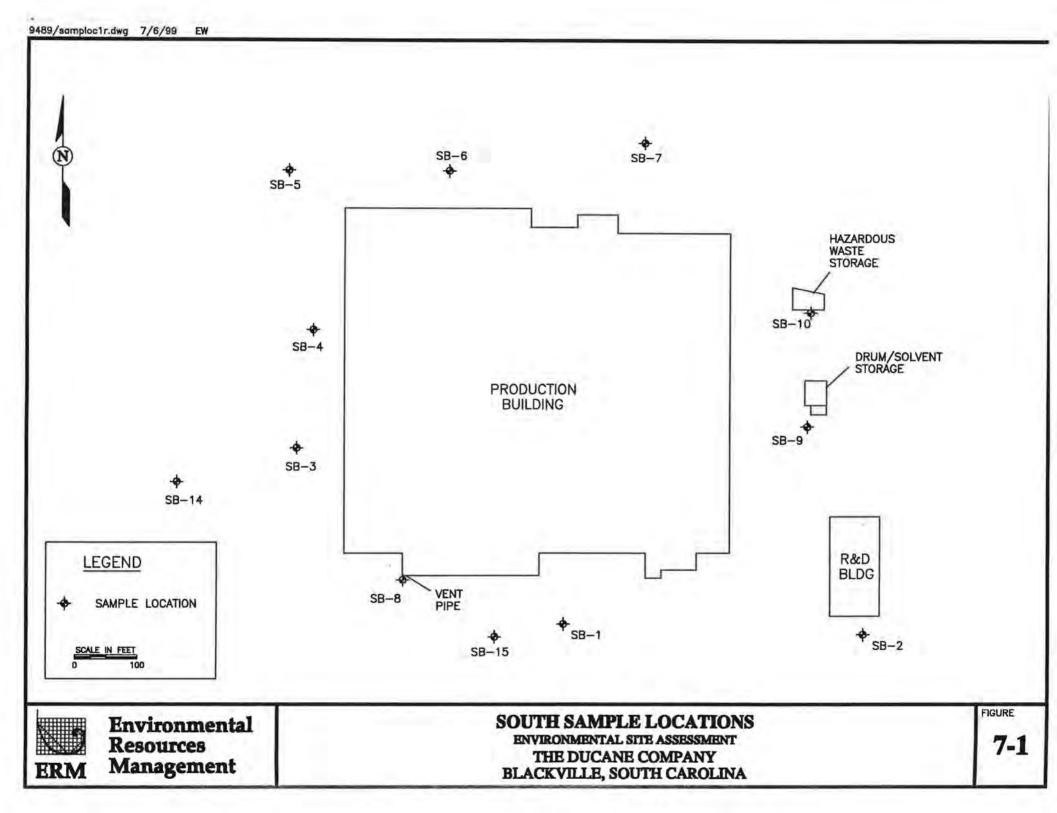
Quality control procedures included the following:

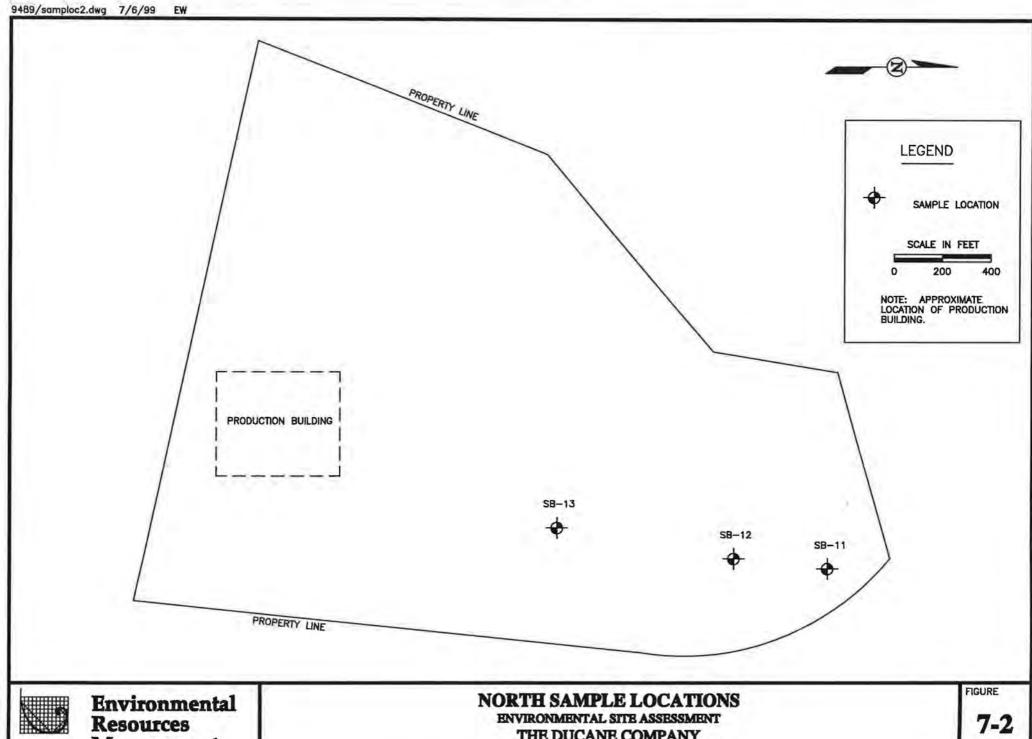
- all drilling equipment was decontaminated and utilized dedicated materials before use at each boring;
- disposable latex gloves were utilized during the boring installation and sampling procedures; and
- all samples were labeled and cross-referenced with chain-of-custody forms and field notes.

PID Results and Sample Depths Table 7-1: The Ducane Company Blackville, South Carolina

Sample Location	Depth	PID Reading (ppm1)
SB-1	5	33.5
	10*	202
SB-2	5	6.9
	10*	18.8
SB-3	5	9.0
	7*	40.2
SB-4	5	29.4
	7	95.1
	9*	97.7
SB-5	5	30.4
	10	40.2
	13*	9.6
SB-6	.5	15.7
	8*	9.8
SB-7	5	1.9
	8*	5.7
SB-8	5	113.3
	10*	125.2
SB-9	5	36.9
	7*	22.9
SB-10	5	40.2
	7*	11.0
SB-11	5	8.3
	10	10.3
	13*	7.8
SB-12	5	170.9
	10	160.6
	16*	25.0
SB-13	5*	6.7
SB-14	5	5.0
	9*	1.3
SB-15	5	8.0
	10*	10.5

^{1 –} parts per million (ppm) * - Sample Depth





Management

THE DUCANE COMPANY BLACKVILLE, SOUTH CAROLINA

7.2 LABORATORY ANALYSES

Soil samples were analyzed by Specialized Assays in Nashville, Tennessee (SC # 84009). Samples were analyzed for volatile organic compounds (VOCs) utilizing US EPA Method 8260, Semi-Volatile Organic Compounds (SVOCs) utilizing US EPA Method 8270. Soil samples SB-1, SB-4, SB-9 and SB-15 reported detectable levels of various volatile organic constituents. Soil samples SB-2, SB-5, SB-7, SB-10, SB-12 and SB-15 reported detectable levels of carbon disulfide. Detected analytes are provided in Table 7-2 and analytical results are provided in Appendix D.

Sample SB-1 reported cis-1,2-dichloroethene at 8.430 mg/kg, ethyl benzene at 2.791 mg/kg, tetrachloroethene at 0.2791 mg/kg, trichloroethene at 4.802 mg/kg and xylenes at 14.55 mg/kg.

Sample SB-4 reported tetrachloroethene at 0.0048 mg/kg and trichloroethene at 0.0016 mg/kg.

Sample SB-9 reported cis-1,2-dichloroethene at 0.1687 mg/kg, naphthalene at 1.241 mg/kg and 1,2,4-trimethylbenzene at 0.4277 mg/kg.

Sample SB-15 reported carbon disulfide at 0.0070 mg/kg, trans-1,2-dichloroethene at 0.0043 mg/kg, toluene at 0.0027 mg/kg and trichloroethene at 0.0030 mg/kg.

Samples SB-2, SB-5, SB-7, SB-10 and SB-12 reported carbon disulfde values ranging from 0.0151 to 0.0212 mg/kg.

Naphthalene, xylene and 1,2,4-trimethylbenzene are listed on Ducane's Tier Two Form as being stored in the ASTs located to the east of the Production Building. Naphthalene, xylene and 1,2,4-trimethylbenzene are utilized as paint thinners. Ethyl benzene, toluene, trichloroethene and 1,1,2,2-tetrachloroethene have been detected in analyses performed by the SCDHEC for Ducane drums disposed in the Barnwell County Landfill (see Section 6.2).

All detectable VOCs were reported from the south portion of the site in the area of the production building (see Figure 7-1). Soil sample SB-8 was obtained from the southwest corner of the Production Building near the vent pipe and potential UST. No VOCs or SVOCs were reported for sample SB-8.

Ethyl benzene, naphthalene, toluene and xylenes have risk Based Screening Levels (RBSLs) based on their potential to leach to groundwater as listed in SCDHEC's Risk-Based Corrective Action for Petroleum Release, June 20, 1997. Two of the soil samples reported chemicals above their SCDHEC RBSL. Sample SB-1 reported ethyl benzene at 2.791 mg/kg (RBSL of 0.96 mg/kg) and sample SB-9 reported naphthalene at 1.241 mg/kg (RBSL of 0.08 mg/kg).

No chemical concentrations in the soil samples were reported to exceed their industrial scenario RBSL as listed in *EPA Region III's Risk-Based Concentration Table*. These RBSLs are determined by direct human exposure (contact) scenarios.

If groundwater migration is the source of reported chemical concentrations in soils, the potential exists for chemical concentrations in groundwater to exceed their Risk-Based Screening Levels or Maximum Contaminant Levels (MCLs) at the subject site. RBSLs and MCLs for groundwater may be found in SCDHEC's Risk-Based Corrective Action for Petroleum Releases, June 20, 1997, South Carolina Regulation 61-58.5 – Maximum Contaminant Levels for Volatile Synthetic Organic Chemicals and EPA Region III's Risk-Based Concentration Table, April, 1999. RBSLs and MCLs developed by the SCDHEC and the EPA are listed in Table 7-3.

All groundwater throughout South Carolina has been classified "GB". Class GB water is required to follow the quality standards (MCLs) for organic chemicals as set forth in the *State Primary Drinking Water Regulations*, R.61-58.5. If one assumes that the reported data for the saturated soils is reasonably indicative of the groundwater quality, a

comparison to the established MCLs indicates that the MCLs for groundwater would be exceeded at sample locations SB-1 and SB-9.

Table 7-3: MCLs and RBSLs for Detected Analytes
The Ducane Company
Blackville, South Carolina

	SCDHEC Soil RBSL ^{1,3}	Water MCL ^{2,5}	RBSL ^{1,4}	EPA Water RBSL ^{2,4}
Carbon disulfide	NA	NA	200,000	1
cis-1,2-Dichloroethene	NA	0.007	20,000	0.061
trans-1,2-Dichloroethene	NA	0.1	41,000	0.12
Ethyl benzene	0.96	0.7	200,000	1.3
Naphthalene	0.08	NA	NA	NA
Tetrachloroethene	NA	0.005	110	0.0011
Toluene	0.51	1	410,000	0.75
Trichloroethene	NA	0.005	520	0.0016
1,2,4-Trimethylbenzene	NA	NA	100,000	0.012
Xylenes	16.8	10	4,100,000	12

^{1:} Units in mg/kg

^{2:} Units in mg/L

^{3:} Listed in Table B4 of SCDHEC's Risk-Based Corrective Action for Petroleum Releases, June 20, 1997.

^{4:} Listed in EPA Region III's Risk-Based Concentration Table, April, 1999.

^{5:} Listed in R.61-58.5. AA. Maximum Contaminant Levels for Volatile Synthetic Organic chemicals.

ERM conducted a Phase I and limited Phase II assessment of The Ducane Company located in Blackville, South Carolina. The following summarizes environmental concern associated with the subject site.

8.1 CONCLUSIONS

Historical Information

Review of aerial photographs and interviews with Ducane personnel revealed no apparent significant environmental concerns. A previous assessment of the site indicated potential for significant contamination exists on the north and northeast portions of the property where unauthorized waste disposal may have occurred or where residential USTs may have existed, the area east of the production building where solvent and waste solvent are stored, and the vicinity of an AST on the south side of the production building.

Surrounding Properties

ERM's review of regulatory records and visual observations did not identify information that indicates the potential for soil and/or groundwater contamination to be present in the vicinity of the subject site.

Site Inspection

Overall, housekeeping at the site is fair to good. Environmental records reviewed appeared in compliance with current regulations.

Areas of concern observed during the site inspection include a vent pipe and potential presence of a UST at the southwest corner of the production building. The solvent and waste solvent storage area also presents a concern due to lack of containment in its history.

The site obtains potable water from the Town of Blackville and process water from three on-site wells. Non-contact cooling water is discharged to an on-site pond and recirculated into the cooling process. Process water associated with the painting operation is discharged once a week to the Town of Blackville WWTP.

Transformers at the site are owned and maintained by the electrical company. No other PCB containing equipment is known to exist at the site.

Suspect ACMs identified include floor and ceiling tiles. These materials were sampled and were reported as non-ACMs.

Regulatory Review

The site was listed in the database report as a large quantity generator of hazardous waste and in the Toxic Chemical Release Inventory System. The South Carolina Department of Health and Environmental Control (SCDHEC) maintains hazardous waste, wastewater, storm water and air files on the site.

The site has been in compliance during recent SCDHEC inspections for hazardous waste generator requirements. In July of 1991, an Administrative Order of Consent was entered into by the EPA with Ducane and two other Respondents. The order was for disposing hazardous waste in the Barnwell County Landfill. Ducane and other Respondents were ordered to remove drums and contaminated soils from the landfill.

The site has an Industrial User Permit to discharge paint booth process waters to the Town of Blackville WWTP. Recent inspections by the WWTP have found Ducane in Compliance with respect to wastewater discharges. The site has a NPDES Permit for Utility Water Discharges for non-contact cooling water that is discharged to an on-site lake. SCDHEC inspections of the lake have been rated satisfactory. The site has a NPDES General Permit for Storm Water Discharges and maintains a Storm Water Pollution Prevention Plan in accordance with the permit.

The facility is a major source and has received its Part 70 Air Quality Permit. Permitted sources at the site are the spray paint line and the pyrolysis furnace. Since 1996, the site has been found in compliance with air regulations.

Phase II Assessment

Based on the soil samples from the capillary fringe, it would appear the groundwater in the area of the production building (sample locations SB-1, SB-4, SB-9 and SB-15) has potential to be impacted by VOCs. Detected VOCs are similar to compounds known to currently or previously used by Ducane and include naphthalene, xylene, ethyl benzene, toluene, trichloroethene, 1,2,4-trimethylbenzene and 1,1,2,2,-tetrachloroethene.

The established SCDHEC Risk Based Screening Levels for soils were reported to be exceeded for ethylbenzene and naphthalene in samples SB-1 and SB-9; respectively.

8.2 RECOMMENDATIONS

Based on the findings of the ESA and the Limited Phase II assessment, it is recommended that groundwater sampling be performed to screen for the presence of VOCs. Groundwater samples should be obtained from the south portion of the site in the area of the production building. To provide comprehensive coverage in the most cost efficient fashion, a combination of a direct push ("Geoprobe") technology and permanent groundwater, monitoring wells are recommended.

Four permanent monitoring wells should be installed in the shallow portion of the saturated zone to assess for the presence of VOCs ("floaters") and to determine groundwater flow direction. Three deep wells (35 to 40 feet below ground surface) should also be installed to determine presence of chlorinated VOCs ("sinkers") in deeper portions of the aquifer.

Secondly, the status of the UST at the southwest corner of the production building should be determined. If not previously abandoned, the UST should be abandoned in accordance with applicable regulations.

In connection with the tasks performed during this assessment, we have exercised reasonable efforts to employ the professional standards applicable in the industry today. We cannot guarantee, however, that our reviews of land use histories have necessarily yielded complete or usable information, or that our preliminary evaluation of the site conditions has revealed all possible sources of contamination. We have not conducted any subsurface investigations or collected and analyzed soil, surface water, groundwater, or air samples as part of this initial site assessment nor was a wetland delineation performed. Because of these and other limitations, these studies have included the application of judgment to scientific principles. To that extent, certain results of this work have been based on subjective interpretations. There can be no assurance that definitive or desire results have been obtained, or that they are supportive of any given course of action. The information provided under this report shall not be construed as legal advice or considered a formal regulatory compliance audit.

The field observations, measurements, and research reported herein are considered sufficient in detail and scope to form a reasonable basis for a general environmental assessment of this property. ERM warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental engineering methods, only for the site described in this report.

These environmental methods have been developed to provide the client with information regarding apparent indications of existing or potential environmental conditions relating to the subject property and are necessarily limited to the conditions observed at the time of the site visit and research.

The report is also limited to the information available at the time it was prepared. In the event additional information is provided to ERM following the report it will be forwarded to the client. There is a distinct possibility that conditions may have existed which could not be identified within the scope of the assessment or which were not apparent during the site visit. ERM believes that the information provided during the record review of the public information and interviews concerning the site is reliable. However, ERM cannot warrant or guarantee that the information provided is complete or accurate.

We make no warranties, expressed or implied, including without limitation, warranties at to merchantability or fitness for a particular purpose. We further assume no risk or liability for loss of earnest moneys or deposits involved in the purchase or sale of property due to delays in execution of the project, nor do we assume any risks for existing conditions at the site.

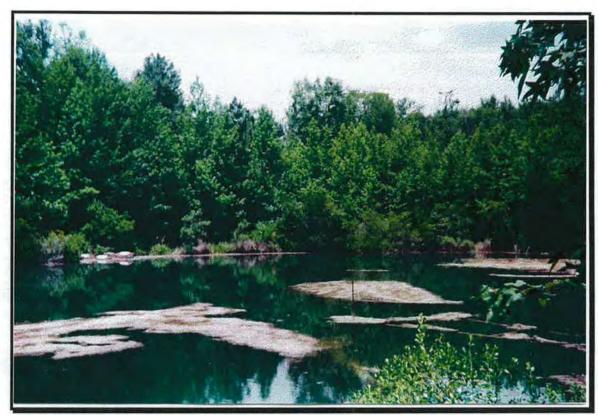
Appendix A Site Photographs



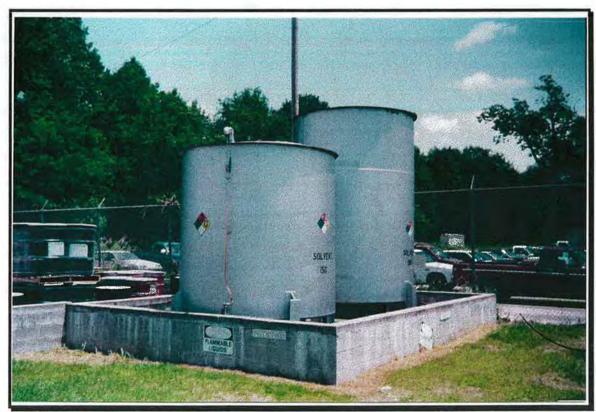
Photograph 1: Hazardous waste storage area.



Photograph 2: Metal recycling dumpsters.



Photograph 3: Pond northwest of production building.



Photograph 4: Solvent storage tanks.

Appendix B ACM Laboratory Analytical Report

EMSL Analytical, Inc.

620-G Guilford College Rd Greensboro, NC 27409

Phone: (336) 297-1487

Fax: (336) 297-1676 EMSL

Attn.: Eric White ERM - Southeast

498 Wando Park Blvd.

Suite 100

Mt. Pleasant, SC 29464

Monday, June 14, 1999

Ref Number:

NC992026

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 9489

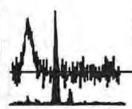
			SAMPLE	ASE	ESTOS		NONASE	ESTOS	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS
FT-1	Tile	White Non-Fibrous Homogeneous	Dissolved/Crushed	N	one Detected			100%	Other
FT-1A	Mastic	Clear Other Homogeneous	Dissolved/Crushed	N	one Detected	2%	Cellulose	98%	Other
FT-2	Tile	White Non-Fibrous Homogeneous	Dissolved/Crushed	N	one Detected			100%	Other
FT-2A	Mastic	Clear Other Homogeneous	Dissolved/Crushed	N	one Detected	2%	Cellulose	98%	Other
CT-1		White/Grey Other Heterogeneous	Teased/Crushed	N	one Detected	0 10005	Cellulose Min. Wool	5%	6 Other
CT-2		White/Grey Other Heterogeneous	Teased/Crushed	N	one Detected	200	Cellulose Min. Wool	10%	6 Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Jason Borgen Analyst

Approved Signatory



Disclaimers; PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL Greensboro (NVLAP Air and Bulk #102104-0,)

Representative: Your Company Name:	Ray Wilkins ERM	- 1	-	EMSL-Bill to:		NCG	12026)
iame:	VEVI					211111	
Street:	493 Wardo F			Street:			
Box #: City/State:	Suite 106 MT. Pleasant		29464	Box #: City/State:		7	Lip:
Phone Results to: Name: Telephone #:	Eric W 843 856			Fax Results to: Name: Fax #:	E1 843	12 Whit	
Project Name/Number:	9 489			Purchase Order #:	9	489	
	MATRIX				TURNA	ROUND	
□ Air □ F	loor Tile	□ Soil		□ 3 Hours	□ 6 Hours	□ Same Day*	□ 12 Hours
Bulk 🗆 I	rinking Water	□ Dust		□ 24 Hours	☐ 48 Hours		□ 5 Days
□ Wipe □ V	Vastewater			☐ 6-10 Days			
PCM			TEM AI			TEM WATER	
□ NIOSH 7400 □ OSHA			□ AHE		1	☐ Wastewate ☐ Drinking V 100.1	
□ Other:			□ Level	1			Y Wastewater
			□ Level	п		□ Water-NY Water	Drinking
PLM			TEM BI	JLK		TEM WIPE	
20 EPA 600				Mount (Qualita	tive)	□ Quantitati	ve
□ NOB			☐ Chat			☐ Qualitativ	e
☐ Point Count☐ ☐ Other:				field / SEM QC ventional (Quant	itative)	XRD	
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105 c			□ NOE			☐ Silica	
EM				S/SEM QC		OTTER	
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			14/1		To	tal Samples:	4
Client Sample # (s elinquished:	6-4	55		Date:	6-4	Time:	
Received:	Freds	14		Date:	6-4	Time:	
eceived:	Alla 110	54	-	Date:	12/2/09	Time:	9:30Au

Appendix C Regulatory Database Search



The EDR-Radius Map with GeoCheck®

Ducane 118 West Main Street Blackville, SC 29817

Inquiry Number: 1377343.1p

June 07, 1999

The Source For Environmental Risk Management Data

3530 Post Road Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050 Fax: 1-800-231-6802 Internet: www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Topographic Map.	. 2
GeoCheck Summary.	3
Overview Map.	5
Detail Map	. 6
Map Summary - All Sites.	. 7
Map Summary - Sites with higher or the same elevation as the Target Property	. 8
Map Findings.	9
Orphan Summary	. 16
APPENDICES	
GeoCheck Version 2.1	. A1
EPA Waste Codes	. A8
Government Records Searched / Data Currency Tracking Addendum.	A9

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

118 WEST MAIN STREET BLACKVILLE, SC 29817

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

..... National Priority List Delisted NPL: NPL Deletions RCRIS-TSD: Resource Conservation and Recovery Information System SHWS:..... State Haz. Waste System CERC-NFRAP: Comprehensive Environmental Response, Compensation, and Liability Information System CORRACTS: Corrective Action Report SWF/LF: Permitted Landfills List AST: _____ Aboveground Storage Tank (SPCC) Inspection List RAATS: RCRA Administrative Action Tracking System HMIRS: Hazardous Materials Information Reporting System PADS: PCB Activity Database System ERNS: Emergency Response Notification System NPL Lien: NPL Liens TSCA: Toxic Substances Control Act MLTS: Material Licensing Tracking System ROD: ROD CONSENT: Superfund (CERCLA) Consent Decrees SC Spills: Spill List Coal Gas: Former Manufactured gas (Coal Gas) Sites. MINES: Mines Master Index File

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was identified in the following government records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DUCANE CO. 118 W. MAIN ST.	FINDS	29817DCNC 11
BLACKVILLE SC 29817		

DUCANE HEATING CORPORATION 118 W MAIN STREET BLACKVILLE, SC 29817 RCRIS-LQG TRIS SCD045634326

Surrounding Properties:

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Health & Environmental Control's Leaking UST list.

A review of the LUST list, as provided by EDR, and dated 03/17/1999 has revealed that there are 6 LUST sites within approximately 1 mile of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SHELTON FOOD STORES #2	309 DEXTER ST	1/4 - 1/2SSE	B5	10
TOWN OF BLACKVILLE	113 S BOUNDARY ST	1/2 - 1 S	C6	12
CREAMER HEATING & AIR COND	513 MAIN ST	1/2 - 1 SE	8	12
BLACKVILLE SCHOOL BUS SHOP	565 COUNTRY CLUB RD	1/2 - 1 NE	E12	14
BLACKVILLE SCHOOL BUS SHOP	565 COUNTRY CLUB RD	1/2 - 1 NE	E13	14
SHELTON FOOD STORES #1	901 SOLOMON BLATT AVE	1/2-1 N	14	14

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health & Environmental Control's list: Comprehensive Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 04/01/1999 has revealed that there are 3 UST sites within approximately 0.75 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
JR FOOD MART #4	300 DEXTER ST	1/4 - 1/2 SSE	B4	10
SHELTON FOOD STORES #2	309 DEXTER ST	1/4 - 1/2SSE	B5	10
TOWN OF BLACKVILLE	113 S BOUNDARY ST	1/2 - 1 SSW	9	13

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 03/01/1999 has revealed that there are 4 RCRIS-SQG sites within approximately 0.75 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FMHA HUTTO GREENE WHSE	200 VALLEY RD	1/4 - 1/2 ESE	3	9
BLACKVILLE MAINTENANCE SHOP	113 SOUTH BOUNDAY ST	1/2-1 S	C7	12
CLEMSON UNIV. EDISTO BRANCH ST	U.S. HWY 78 WEST	1/2-1 N	D10	13
AUGUSTA FIBERGLASS COATINGS, I	HWY 13 SOUTH	1/2 - 1 N	D11	13

GWIC: Groundwater Contamination Inventory Cases. Any site that has groundwater contamination over a federal MCL.

A review of the SC GWIC list, as provided by EDR, and dated 07/01/1998 has revealed that there is 1 SC GWIC site within approximately 1 mile of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SHELTON FOOD STORES #2	309 DEXTER ST	1/4 - 1/2SSE	B5	10

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
GIVENS' EXXON STATION	LUST
JAMES STILL TEXACO	LUST
CLEMSON UNIVERSITY	UST
GIVENS' EXXON STATION	UST
JAMES STILL TEXACO	UST
BI-RITE #1	UST

TOPOGRAPHIC MAP - 1377343.1p - ERM - Southeast, Inc. S SOUTHERN RAILROAD 0 SOLOMONBATIAN SC 1/2 Major Roads Contour Lines Waterways Earthquake epicenter, Richter 5 or greater Closest Federal Well in quadrant Closest State Well in quadrant Closest Public Water Supply Well

TARGET PROPERTY: ADDRESS: DITY/STATE/ZIP: AT/LONG:

Ducane 118 West Main Street Blackville SC 29817 33.3596 / 81.2748 CUSTOMER: CONTACT: INQUIRY #: DATE: ERM - Southeast, Inc. Eric White 1377343.1p June 07, 1999 12:02 pm

GEOCHECK VERSION 2.1 SUMMARY

TARGET PROPERTY COORDINATES

Latitude (North): 33,359600 - 33* 21' 34.6" Longitude (West): 81.274803 - 81' 16' 29.3"

Universal Transverse Mercator: Zone 17 UTM X (Meters): 474433.4 UTM Y (Meters): 3690994.8

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2433081-C3 BLACKVILLE, SC

GEOLOGIC AGE IDENTIFICATION†

Geologic Code: Te3
Era: Cenozoic
System: Tertiary

Series: Eocene Jackson Group

ROCK STRATIGRAPHIC UNIT

Category: Stratified Sequence

GROUNDWATER FLOW INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

AQUIFLOW™** Search Radius: 2.000 Miles

DISTANCE DIRECTION GENERAL DIRECTION
MAP ID FROM TP FROM TP GROUNDWATER FLOW
Not Reported

General Topographic Gradient at Target Property: General SSW General Hydrogeologic Gradient at Target Property: No hydrogeologic data available.

FEDERAL DATABASE WELL INFORMATION

WELL	DISTANCE		DEPTH TO
QUADRANT	FROM TP	LITHOLOGY	WATER TABLE
Eastern	1/4 - 1/2 Mile	Not Reported	70 ft.
Southern	1/4 - 1/2 Mile	Not Reported	36 ft.

STATE DATABASE WELL INFORMATION

WELL	DISTANCE		
QUADRANT	FROM TP		
Northern	1/8 - 1/4 Mile		
Eastern	>2 Miles		
Southern	1/8 - 1/4 Mile		
Western	1 - 2 Miles		

GEOCHECK VERSION 2.1 SUMMARY

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

NOTE: PWS System location is not always the same as well location.

PWS Name:

BLACKVILLE TOWN OF RICHARD E LAMAR 213 NORTH LARTIGUE ST. BLACKVILLE, SC 29817

Location Relative to TP: 1/4 - 1/2 Mile East

PWS currently has or has had major violation(s) or enforcement: Yes

1.4

AREA RADON INFORMATION

EPA Radon Zone for BARNWELL County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Zip Code: 29817

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

OVERVIEW MAP - 1377343.1p - ERM - Southeast, Inc. 뗑 SQUINERY, BALLA HI GHWAN SOLOMON 1/2 **Target Property** Sites at elevations higher than or equal to the target property Sites at elevations lower than the target property Power transmission lines Oil & Gas pipelines Coal Gasification Sites (if requested) Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP:

AT/LONG:

National Priority List Sites

Landfill Sites

Ducane 118 West Main Street Blackville SC 29817 33.3596 / 81.2748

CUSTOMER: CONTACT: INQUIRY #:

DATE:

ERM - Southeast, Inc. Eric White

1377343.1p June 07, 1999 12:01 pm

DETAIL MAP - 1377343.1p - ERM - Southeast, Inc. OMON BLATT AVE N DAK ST OAK ST DEWITT ST DEWITT ST SOLOMON BLANT AVE JONES BRIDGE RD IZLAR ST ZLAR ST IZ AR ST CARROLL ST CARROLL REYNOLDS ST REYNOLDS SOLOMON BLATT AVE N PASCALLA PASCALLAS ST PASCALLAS WMAIN ST BLATT AVE N DUCANE AMPBELL S 1/16 1/4 Miles 1/8 Target Property Sites at elevations higher than or equal to the target property Sites at elevations lower than the target property Power transmission lines Oil & Gas pipelines Coal Gasification Sites (if requested) Wetlands per National Wetlands Inventory (1994) Sensitive Receptors National Priority List Sites Landfill Sites Ducane CUSTOMER: ERM - Southeast, Inc.

TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:

118 West Main Street Blackville SC 29817 33.3596 / 81.2748

CONTACT: INQUIRY #: DATE:

Eric White

1377343.1p June 07, 1999 12:02 pm

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1_	Total Plotted
NPL		1.500	0	0	0	0	0	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
State Haz. Waste		1.500	0	0	0	0	0	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.500	0	0	0	0	0	0
State Landfill		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	1	5	NR	6
UST		0.750	0	0	2	2	NR	4
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.750	0	0	1	3	NR	4
RCRIS Lg. Quan. Gen.	X	0.750	0	0	0	0	NR	0
HMIRS		TP	NR	NA	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
TRIS	×	TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
ROD		1.500	0	0	0	0	0	0
CONSENT		1.500	0	0	0	0	0	0
SC Spills		TP	NR	NR	NR	NR	NR	0
SC GWIC		1.000	0	0	1	0	NR	1
Coal Gas		1.500	0	0	0	0	0	0
MINES		0.750	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

^{*} Sites may be listed in more than one database

MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
NPL		1.500	0	0	0	0	0	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
State Haz. Waste		1.500	0	0	0	0	0	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.500	0	0	0	0	0	0
State Landfill		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	1	5	NR	6
UST		0.750	0	0	2	2	NR	4
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.750	0	0	9	3	NR	4
RCRIS Lg. Quan. Gen.	X	0.750	0	0	0	0	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
TRIS	X	TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
ROD		1.500	0	0	0	0	0	0
CONSENT		1.500	0	0	0	0	0	0
SC Spills		TP	NR	NR	NR	NR	NR	0
SC GWIC		1.000	0	0	1	0	NR	1
Coal Gas		1.500	0	0	0	0	0	0
MINES		0.750	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

^{*} Sites may be listed in more than one database

Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A2 Target DUCANE CO.

118 W. MAIN ST.

Property

BLACKVILLE, SC 29817

FINDS

1001425914

29817DCNC 11

A1 Target Property **DUCANE HEATING CORPORATION**

118 W MAIN STREET BLACKVILLE, SC 29817 RCRIS-LQG TRIS 1000152149 SCD045634326

RCRIS:

Owner:

Not reported

Contact:

AUGUST JERNBERG

(803) 284-2241

Record Date:

07/28/1980

Classification:

Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

 Waste
 Quantity (Lbs)

 D001
 227600.00

 D035
 226000.00

 F003
 232360.00

Waste Quantity (Lbs)
D002 2620.00

F001 F005 6360.00 226000.00

Used Oil Recyc: No

Violation Status: Violation information exist

There are 11 violation record(s) reported at this site:

Compliance Evaluation Inspection (CEI)

Compliance Schedule Evaluation (CSE)

Compliance Evaluation Inspection (CEI)

Area of Violation
Generator-All Requirements
Generator-All Requirements
Generator-All Requirements
Generator-All Requirements
Generator-All Requirements
Generator-Land Ban Requirements

05/14/1990 05/14/1990 05/14/1990 05/14/1990 09/18/1987

Date of

Compliance

08/17/1993

08/17/1993

Compliance Evaluation Inspection (CEI) Compliance Evaluation Inspection (CEI)

Generator-All Requirements Generator-All Requirements Generator-All Requirements

Generator-All Requirements

Generator-All Requirements

09/18/1987 09/18/1987 04/25/1984

09/18/1987

Compliance Evaluation Inspection (CEI)

ESE 1/4-1/2 2435

Higher

3

FMHA HUTTO GREENE WHSE 200 VALLEY RD BLACKVILLE, SC 29817 RCRIS-SQG FINDS 1000835396 SCD987593381 Map ID Direction Distance Distance (ft.) Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

FMHA HUTTO GREENE WHSE (Continued)

1000835396

RCRIS:

Owner:

FARMERS HOME ADMINISTRATION

(803) 765-5546

Contact:

ERNESTINE C VIARS

(803) 765-5546

Record Date:

07/30/1992

Classification:

Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

SSE 1/4-1/2 2593 Higher

B4

JR FOOD MART #4 300 DEXTER ST

BLACKVILLE, SC 29817

UST

U001119105 NA

UST:

Facility ID: Contact:

Product:

Calcage:

Owner:

R-06-NO-00850

LEONARD MILLS

Gasoline

16.96

Owner Tel ANDERSON OIL CO INC ATTN LEONARD MILLS

Capacity: Status:

8000 Currently in use

Owner Address:

PO BOX 1285

SC, BA 29812

Facility ID:

R-06-NO-00850 LEONARD MILLS

Contact: Product: Gasoline

16,96

Calcage: ANDERSON OIL CO INC ATTN LEONARD MILLS Owner:

Capacity: 8000 Status: Currently in use PO BOX 1285 Owner Address:

SC, BA 29812

Facility ID: Contact: Product:

Calcage:

R-06-NO-00850

LEONARD MILLS Gasoline

Contact Tel:

Tank ID:

Tank ID:

Tank ID:

Contact Tel:

Owner Tel

Contact Tel:

001

002

003

Other Substance: Not reported

Other Substance: Not reported

(803)259-2960

(803)259-7578

(803)259-2960

(803)259-7578

(803)259-2960 Other Substance: Not reported Owner Tel (803)259-7578

Owner:

ANDERSON OIL CO INC ATTN LEONARD MILLS

Capacity: Status:

16.96

Owner Address:

Currently in use PO BOX 1285 SC, BA 29812

B5 SSE 1/4-1/2 2608 Higher SHELTON FOOD STORES #2

309 DEXTER ST

BLACKVILLE, SC 29817

UST SC GWIC LUST

U000478033 N/A

Map ID Direction Distance Distance (ft.)

Elevation

MAP FINDINGS

Free product exists in a monitoring well at a measured thickness > 0.01 foot

Database(s)

EDR ID Number EPA ID Number

SHELTON FOOD STORES #2 (Continued)

U000478033

LUST:

Facility ID:

P-06-NO-13117

Proj Manager:

MINERRS

Chemical:

PETRO

Release Date:

03/23/1992

Lat/long:

33'21'13.36"N / 81'16'13.61"W

Owner:

SHELTON FOOD STORES INC

Release:

NFA Date:

Not reported

Cost Proposal #: 06718

Site Priority Classification:

SC GWIC:

Contamination:

PETRO

Permit Number:

13117

EAP ID:

Not reported

WPC Permit:

Not reported

Surface Impact:

No

Source:

UST

Bureau:

DUST

Entered By:

DEVLINRJ

Remarks:

Site # 13117, RBCA Classification 3B

Entry Date:

07/10/1998

UST:

Facility ID:

P-06-NO-13117

Tank ID:

Owner Tel

001

Contact:

STEVEN SHELTON

(803)284-3137

Product:

Gasoline

Contact Tel: Other Substance: Not reported

(803)284-3232

Calcage: Owner:

23.09

SHELTON FOOD STORES INC.

Capacity:

8000

Status: Owner Address:

Currently in use PO BOX 535

SC, BL 29817

Facility ID:

P-06-NO-13117

Contact:

STEVEN SHELTON

Tank ID: Contact Tel:

Owner Tel

002

(803)284-3232

Product:

Gasoline

(803)284-3137 Other Substance: Not reported

Calcage:

23.09 SHELTON FOOD STORES INC

Owner: Capacity:

8000

Status: Owner Address: Currently in use

PO BOX 535 SC, BL 29817

Facility ID:

P-06-NO-13117

Contact:

Product:

STEVEN SHELTON

Calcage:

Kerosene 12.18

Owner:

SHELTON FOOD STORES INC

Capacity:

3000

Status: Owner Address: Currently in use PO BOX 535 SC, BL 29817

Tank ID:

Owner Tel

003 (803)284-3137

Contact Tel: Other Substance: Not reported

(803)284-3232

Map ID Direction Distance Distance (ft.) Elevation Site MAP FINDINGS

Tank ID:

Contact Tel:

Owner Tel

Proj Manager:

Release Date:

Release:

004

Other Substance: Not reported

(803)284-3137

(803)284-3232

WISNEWBJ

03/30/1995

Cost Proposal #: Not reported

Database(s)

EDR ID Number EPA ID Number

SHELTON FOOD STORES #2 (Continued)

U000478033

Facility ID:

P-06-NO-13117

Contact:

STEVEN SHELTON

Product:

Gasoline 12.18

Calcage: Owner:

SHELTON FOOD STORES INC

Capacity:

8000

Status:

Currently in use PO BOX 535 Owner Address: SC, BL 29817

LUST

U001013077

C6 South 1/2-1 2796 Higher TOWN OF BLACKVILLE 113 S BOUNDARY ST BLACKVILLE, SC 29817

LUST:

Facility ID: Chemical:

N-06-GM-14903 PETRO

Lat/long:

Not reported

Owner:

TOWN OF BLACKVILLE

NFA Date:

03/30/1995 Site Priority Classification:

Not reported

RCRIS-SQG

FINDS

N/A

1000875859

SCD987597606

C7 South 1/2-1 2796 Higher **BLACKVILLE MAINTENANCE SHOP** 113 SOUTH BOUNDAY ST BLACKVILLE, SC 29817

RCRIS:

Owner:

TOWN OF BLACKVILLE

(803) 284-2039

Contact:

DICK LAMAR

(803) 284-2039

Record Date:

06/03/1993

Classification:

Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

SE

CREAMER HEATING & AIR COND 513 MAIN ST

1/2-1 2844 Higher JACKSON, SC 29831

LUST

U000477438 N/A

Map ID Direction Distance Distance (ft.) Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

CREAMER HEATING & AIR COND (Continued)

U000477438

LUST:

Facility ID: Chemical:

NFA Date:

N-02-NN-14276

PETRO

Lat/long: Owner:

Not reported H L CREAMER

03/16/1999

Cost Proposal #: 06861

Proj Manager:

Release Date:

Release:

Tank ID:

Contact Tel:

Owner Tel

Other Substance: Not reported

Site Priority Classification:

There is no demonstrable treat, but additional data are needed to show that there

ate no unacceptable risks posed by the site

9 SSW 1/2-1 2859 TOWN OF BLACKVILLE 113 S BOUNDARY ST BLACKVILLE, SC 29817 UST

U003526013

N/A

Higher

UST: Facility ID:

Contact:

N-06-GM-14903 DALE SIMS

Product:

Not reported

Calcage:

0.00

Owner:

TOWN OF BLACKVILLE

Capacity: Status:

Not reported Not reported

Owner Address: 213 N LARTIGUE ST

SC, BL 29817

CORLEYHR

03/23/1992

Not reported

(803)284-2444

(803)284-2444

1000303364

SCD987570702

D10 North 1/2-1

CLEMSON UNIV. EDISTO BRANCH ST

U.S. HWY 78 WEST

3329 Higher

BLACKVILLE, SC 29817

RCRIS:

Owner:

CLEMSON UNIVER

(999) 999-9999

Contact:

ERRY SAFETY (803) 656-3351

Record Date:

01/10/1996

Classification:

Conditionally Exempt Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

D11 North AUGUSTA FIBERGLASS COATINGS, INC.

HWY 13 SOUTH

1/2-1 3333 Higher BLACKVILLE, SC 29817

RCRIS-SQG

RCRIS-SQG

FINDS

1000427955 SCD075872267

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number**

AUGUSTA FIBERGLASS COATINGS, INC. (Continued)

1000427955

RCRIS:

Site

Distance (ft.)

Elevation

Owner:

JOHN BOYD PRESIDENT

(803) 284-2246

Contact:

JOHN-PRESIDENT BOYD

(803) 284-2246

Record Date:

01/06/1999

Classification:

Small Quantity Generator

Used Oil Recyc: No

Violation Status: Violation information exist

There are 4 violation record(s) reported at this site:

Compliance Evaluation Inspection (CEI)

Area of Violation

Generator-All Requirements Generator-All Requirements Generator-All Requirements

01/12/1994 01/12/1994 01/12/1994 01/07/1993

Date of Compliance

Other Evaluation

Generator-All Requirements

E12 NE

1/2-1 4229 Higher BLACKVILLE SCHOOL BUS SHOP 565 COUNTRY CLUB RD

BLACKVILLE, SC

LUST

S103685911 N/A

LUST:

Facility ID:

R-06-GS-09610

PETRO

Chemical: Lat/long:

Not reported

Owner:

SC DEPT OF EDUCATION

NFA Date:

01/22/1999

Site Priority Classification:

Not reported

FANTRM 01/20/1999

FANTRM

01/20/1999

Release Date: Release:

Proj Manager:

Release Date:

Release:

Proj Manager:

Cost Proposal #: Not reported

E13 NE

Higher

1/2-1 4229 **BLACKVILLE SCHOOL BUS SHOP**

565 COUNTRY CLUB RD

BLACKVILLE, SC

LUST:

Facility ID:

R-06-GS-09610

Chemical:

PETRO Not reported

Lat/long: Owner:

SC DEPT OF EDUCATION

NFA Date:

01/22/1999

Site Priority Classification:

Not reported

LUST

S103685910

N/A

Cost Proposal #: Not reported

14 North 1/2-1

4457 Higher SHELTON FOOD STORES #1

901 SOLOMON BLATT AVE BLACKVILLE, SC 29817

UST LUST U001013097 NA

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

SHELTON FOOD STORES #1 (Continued)

U001013097

LUST:

Facility ID: Chemical: N-06-NO-13118 PETRO

Lat/long: PETHO

Not reported

Owner: SHELTON FOOD STORES INC NFA Date: Not reported

Site Priority Classification:

Release Date: 08/27/1998 Release: 1

Proj Manager:

Cost Proposal #: 07389

The ground water is encountered < 15 feet and the site geology is predominantly

silt or clay

UST:

Facility ID: Contact: N-06-NO-13118 STEVEN SHELTON

Product: Not reported Calcage: 0.00

Owner: SHELTON FOOD STORES INC

Capacity: Not reported Status: Not reported Owner Address: PO BOX 535 SC, BL 29817 Tank ID: Not reported Contact Tel: (803)284-3137 Other Substance: Not reported Owner Tel (803)284-3232

WRIGHTJW

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
BLACKVILLE	U001536909	CLEMSON UNIVERSITY	HWY 78 W	29817	UST	N-06-GS-12510
BLACKVILLE	U003521774	GIVENS' EXXON STATION	MAIN ST SC 3	29817	UST	N-06-NO-00875
BLACKVILLE	U000478025	GIVENS' EXXON STATION	MAIN ST SC 3	29817	LUST	N-06-NO-00875
BLACKVILLE	U003522704	JAMES STILL TEXACO	138 SOLOMON BLATT AVE	29817	UST	N-06-NO-00846
BLACKVILLE	U001013083	JAMES STILL TEXACO	138 SOLOMON BLATT AVE	29817	LUST	N-06-NO-00B46
BLACKVILLE	U003286205	BI-RITE #1	SOLOMON BLATT AVE/ HWY 3 NORTH	29817	UST	R-06-NO-00862

GEOCHECK VERSION 2.1 ADDENDUM FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Eastern Quadrant)

BASIC WELL DATA

Site ID: 332125081161500 Distance from TP: 1/4 - 1/2 Mile

Site Type: Single well, other than collector or Ranney type

Year Constructed: 1978 County: Barnwell, Altitude: 290.00 ft. State: South Carolina Well Depth: 367.00 ft. Topographic Setting: Not Reported Depth to Water Table: 70.00 ft. Prim. Use of Site: Withdrawal of water Date Measured: 09231978 Prim. Use of Water: Public supply

LITHOLOGIC DATA

Not Reported

WATER LEVEL VARIABILITY

Not Reported

Well Closest to Target Property (Southern Quadrant)

BASIC WELL DATA

Site ID: 332110081162000 Distance from TP: 1/4 - 1/2 Mile

Site Type: Single well, other than collector or Ranney type

Year Constructed: 1933 County: Barnwell Altitude: 290.00 ft. South Carolina State: Well Depth: 200.00 ft. Topographic Setting: Not Reported Depth to Water Table: Withdrawal of water 36.20 ft. Prim. Use of Site: Date Measured: 09221982 Prim. Use of Water: Public supply

LITHOLOGIC DATA

Not Reported

WATER LEVEL VARIABILITY

Not Reported

Water Well Information:

Well Within 1/8 - 1/4 Mile of Target Property (Northern Quadrant)

SCWRC #:	34WS04	Owner ID:	Not Reported				
SCWRC User ID:	Not Reported	Location:	Not Reported				
County #:	BRN-0075	Topography:	Not Reported				
Quad Name:	Not Reported	Quad #:	Not Reported				
Latitude:	332142	Longitude:	811631				
UTME:	0	UTMN:	0				
Depth Drilled (Ft.):	0	Depth Completed (Ft.):	0				
Elevation:	290.00	Eley, Method:	Topographic Map				
Contact:	Not Reported	Owner:	TOWN OF BLACKVILLE				
Address:	Not Reported	0.440.00	57 77 15 W. T.				
Telephone:	Not Reported						
Aquifer:	Not Reported	Basin:	Not Reported				
Water Use:	Not Reported	Source:	Not Reported				
Yield (in GPM):	0	Last Update:	04/13/1990				
Remarks:	WELL SCH. DC:HEATER WELL CO.; SUB-P; 50'S.STL. SCREEN;						

Construction Information:

Driller:	Not Reported		
Date Completed:	Not Reported	Drilling Method:	Not Reported
Filter:	Unknown	Grout:	Unknown
Diagram in file:	Not Reported	Last Updated:	04/13/1990
Num. of Casings:	0	Casing Type:	Not Reported
Casing Diameter (Inches):	24		
Casing Top (Ft.):	0	Casing Bottom (Ft.):	470
Num. of Screens:	0	Screen Type	Not Reported
Screen Diameter:	0	Slot Size (Inches)	Not Reported
Screen Top (Ft.):	0	Screen Bottom (Ft.):	0

Well Within >2 Miles of Target Property (Eastern Quadrant)

SCWRC #:	33WQ01	Owner ID:	Not Reported
SCWRC User ID:	Not Reported	Location:	IRRIGATION WELL #2
County #:	BRN-0235	Topography:	Not Reported
Quad Name:	Not Reported	Quad #:	Not Reported
Latitude:	332137	Longitude:	811306
UTME:	0	UTMN:	0
Depth Drilled (Ft.):	0	Depth Completed (Ft.):	0
Elevation:	300.00	Elev. Method:	Topographic Map

Contact: Not Reported Owner: GEDDINGS-WISE Address: Not Reported

Telephone: Not Reported Aquifer: Not Reported

Aquifer: Not Reported Basin: Not Reported Water Use: Not Reported Source: Not Reported Yield (in GPM): 0 Last Update: 04/13/1990

Remarks: DC:BERRIE WELL DRIL;

Construction Information:

Driller:	Not Reported		
Date Completed:	Not Reported	Drilling Method:	Not Reported
Filter:	Unknown	Grout:	Unknown
Diagram in file:	Not Reported	Last Updated:	04/13/1990
Num, of Casings:	0	Casing Type:	Not Reported
Casing Diameter (Inches):	10		
Casing Top (Ft.):	0	Casing Bottom (Ft.):	315
Num. of Screens:	0	Screen Type	Not Reported
Screen Diameter:	0	Slot Size (Inches)	Not Reported
Screen Top (Ft.):	0	Screen Bottom (Ft.):	0

Well Within 1/8 - 1/4 Mile of Target Property (Southern Quadrant)

SCWRC #: 34W--S06 Not Reported Owner ID: BLACKVILLE, SC SCWRC User ID: Not Reported Location: County #: BRN-0226 Topography: Not Reported Quad Name: Not Reported Quad #: Not Reported Latitude: 332125 Longitude: 811633 UTME: UTMN: 0 0 Depth Drilled (Ft.): Depth Completed (Ft.): 0 0

Elevation: 290.00 Elev. Method: Topographic Map
Contact: Not Reported Owner: TOWN OF BLACKVILLE

Address: Not Reported Telephone: Not Reported

Aquifer:Not ReportedBasin:Not ReportedWater Use:Not ReportedSource:Not ReportedYield (in GPM):0Last Update:04/13/1990

Remarks: DATA SOURCE:GW-1; DC:VA. WELL SUPPLY; WAS BW-83;

Construction Information:

Not Reported Driller: Not Reported Not Reported Date Completed: **Drilling Method:** Filter: Unknown Grout: Unknown Diagram in file: Not Reported Last Updated: 04/13/1990 Num. of Casings: Casing Type: Not Reported

Casing Diameter (Inches): 16
Casing Top (Ft.): 0 Casing Bottom (Ft.): 367

Num. of Screens: 0 Screen Type Not Reported Screen Diameter: 0 Slot Size (Inches) Not Reported

Screen Top (Ft.); 0 Screen Bottom (Ft.):

Well Within 1 - 2 Miles of Target Property (Western Quadrant)

SCWRC #:	34WQ04	Owner ID:	Not Reported
SCWRC User ID:	Not Reported	Location:	Not Reported
County #:	BRN-0043	Topography:	Not Reported
Quad Name:	Not Reported	Quad #:	Not Reported
Latitude:	332126	Longitude:	811804
UTME:	0	UTMN:	0
Depth Drilled (Ft.):	0	Depth Completed (Ft.):	0
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Topographic Map Elevation: 300.00 Elev. Method: EDISTO EXP. STATION Contact: Not Reported Owner:

Address: Not Reported Not Reported Telephone:

Aquifer: Not Reported Basin: Not Reported Water Use: Not Reported Not Reported Source: 04/13/1990 Yield (in GPM): Last Update:

Remarks: WELL CONS:P; STK; WELL SCH. 1952; DC:CONNALLY;

Construction Information:

Driller:	Not Reported		
Date Completed:	Not Reported	Drilling Method:	Not Reported
Filter:	Unknown	Grout:	Unknown
Diagram in file:	Not Reported	Last Updated:	04/13/1990
Num. of Casings:	0	Casing Type:	Not Reported
Casing Diameter (Inches):	6		1 1000 1A10000
Casing Top (Ft.):	0	Casing Bottom (Ft.):	0

0 Not Reported Num. of Screens: Screen Type Screen Diameter: 0 Slot Size (Inches) Not Reported Screen Top (Ft.): 0 Screen Bottom (Ft.):

GEOCHECK VERSION 2.1 PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

PWS SUMMARY:

PWS ID:

SC0610003

PWS Status:

Active

Date Deactivated: Not Reported

Distance from TP: 1/4 - 1/2 Mile Dir relative to TP: East

Date Initiated: June / 1977 PWS Name: BLACKVILLE TOWN OF

RICHARD E LAMAR

213 NORTH LARTIGUE ST. BLACKVILLE, SC 29817

Addressee / Facility:

Distribution Facility RICHARD E LAMAR

MAYOR

213 NORTH LARTIGUE ST. BLACKVILLE, SC 29817

Facility Latitude:

33 21 28

Facility Longitude: 081 16 14

City Served: Treatment Class:

Not Reported Treated

Population Served: 2,501 - 3,300 Persons

PWS currently has or has had major violation(s) or enforcement:

Yes

VIOLATIONS INFORMATION:

Violation ID:

Vio. beginning Date:

9425534

Source ID:

Not Reported

PWS Phone:

Not Reported 6 Months

Num of required Samples:

07/01/93 Not Reported

12/31/93 Vio. end Date: Number of Samples Taken: Maximum Contaminant Level: Vio. Period: Not Reported Not Reported

Analysis Result: Analysis Method: Not Reported

Not Reported

Initial Tap Sampling for Pb and Cu

Violation Type: Contaminant:

LEAD & COPPER RULE

Vio. Awareness Date:

Not Reported

EPA Waste Codes Addendum

Code	Description
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- D001 IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
- D035 METHYL ETHYL KETONE
- THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
 TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,
 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS;
 ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE,
 A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE
 HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND
 STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT
 MIXTURES.
- THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities

List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/10/98 Date Made Active at EDR: 01/29/99 Database Release Frequency: Quarterly Date of Data Arrival at EDR: 12/29/98 Elapsed ASTM days: 31

Date of Last EDR Contact: 03/03/99

ERNS: Emergency Response Notification System

Source: EPA/NTIS Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

Date of Government Version: 12/31/98 Date Made Active at EDR: 01/18/99 Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/13/99 Elapsed ASTM days: 5

Date of Last EDR Contact: 01/04/99

NPL: National Priority List

Source: EPA Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 01/19/99 Date Made Active at EDR: 02/19/99 Database Release Frequency: Semi-Annually Date of Data Arrival at EDR: 02/08/99 Elapsed ASTM days: 11 Date of Last EDR Contact: 02/08/99

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 03/01/99 Date Made Active at EDR: 05/07/99 Database Release Frequency: Semi-Annually Date of Data Arrival at EDR: 04/08/99 Elapsed ASTM days: 29 Date of Last EDR Contact: 03/31/99

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/99 Date Made Active at EDR: 04/16/99 Database Release Frequency: Semi-Annually Date of Data Arrival at EDR: 03/17/99 Elapsed ASTM days: 30 Date of Last EDR Contact: 03/16/99

FEDERAL NON-ASTM RECORDS:

BRS: Biennial Reporting System

Source: EPA/NTIS Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG)

and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/95 Database Release Frequency: Biennially Date of Last EDR Contact: 03/25/99

Date of Next Scheduled EDR Contact: 06/21/99

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies Database Release Frequency: Varies Date of Last EDR Contact: Varies

Date of Next Scheduled EDR Contact: N/A

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/08/99 Database Release Frequency: Quarterly Date of Last EDR Contact: 04/16/99
Date of Next Scheduled EDR Contact: 07/12/99

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System, HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/97 Database Release Frequency: Annually Date of Last EDR Contact: 03/24/99

Date of Next Scheduled EDR Contact: 04/26/99

MLTS: Material Licensing Tracking System Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/08/98 Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/02/99

Date of Next Scheduled EDR Contact: 05/31/99

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real properly in order to recover remedial action expenditures or when the properly owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/22/98
Date of Next Scheduled EDR Contact: 05/24/99

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers

of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/22/97

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/05/99

Date of Next Scheduled EDR Contact: 05/17/99

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/15/99

Date of Next Scheduled EDR Contact: 06/14/99

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical

and health information to aid in the cleanup.

Date of Government Version: 01/31/99

Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/99

Date of Next Scheduled EDR Contact: 07/19/99

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and

land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/96

Database Release Frequency: Annually

Date of Last EDR Contact: 04/01/99

Date of Next Scheduled EDR Contact: 06/28/99

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/94

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 04/26/99

Date of Next Scheduled EDR Contact: 07/26/99

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 08/01/98

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/08/99

Date of Next Scheduled EDR Contact: 07/05/99

STATE OF SOUTH CAROLINA ASTM RECORDS:

LUST: Leaking UST List

Source: Department of Health and Environmental Control

Telephone: 803-734-5376

Leaking Underground Storage Tank Incident Reports, LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/17/99 Date Made Active at EDR: 04/16/99 Database Release Frequency: Quarterly Date of Data Arrival at EDR: 03/22/99

Elapsed ASTM days: 25

Date of Last EDR Contact: 03/02/99

SHWS: State Priority List Sites

Source: Department of Health and Environmental Control

Telephone: 803-734-5376

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 06/29/98 Date Made Active at EDR: 11/10/98 Database Release Frequency: Semi-Annually Date of Data Arrival at EDR: 10/06/98 Elapsed ASTM days: 35 Date of Last EDR Contact: 04/19/99

LF: Permitted Landfills List

Source: Department of Health and Environmental Control

Telephone: 803-734-5165

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal

Date of Government Version: 07/29/98 Date Made Active at EDR: 12/24/98 Database Release Frequency: Semi-Annually Date of Data Arrival at EDR: 10/26/98 Elapsed ASTM days: 59 Date of Last EDR Contact: 03/02/99

UST: Comprehensive Underground Storage Tanks

Source: Department of Health and Environmental Control

Telephone: 803-734-5376

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/01/99 Date Made Active at EDR: 05/14/99 Database Release Frequency: Quarterly Date of Data Arrival at EDR: 04/16/99 Elapsed ASTM days: 28 Date of Last EDR Contact: 04/05/99

STATE OF SOUTH CAROLINA NON-ASTM RECORDS:

AST: Aboveground Storage Tank (SPCC) Inspection List Source: Department of Health and Environmental Control

Telephone: 803-734-5376

Registered Aboveground Storage Tanks.

Date of Government Version: 01/11/99 Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/99 Date of Next Scheduled EDR Contact: 07/05/99

GWIC: Groundwater Contamination Inventory

Source: Department of Health and Environmental Control

Telephone: 803-734-4672

An inventory of all groundwater contamination cases in the state.

Date of Government Version: 07/01/98 Database Release Frequency: Annually Date of Last EDR Contact: 02/02/99 Date of Next Scheduled EDR Contact: 05/03/99

SPILLS: Spill List

Source: Department of Health and Environmental Control

Telephone: 803-734-5376

Date of Government Version: 10/15/96 Database Release Frequency: Quarterly Date of Last EDR Contact: 04/05/99
Date of Next Scheduled EDR Contact: 07/05/99

Historical and Other Database(s)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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DELISTED NPL: NPL Deletions

Source: EPA Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/19/99
Date Made Active at EDR: 02/19/99
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/08/99 Elapsed ASTM days: 11 Date of Last EDR Contact: 02/08/99

NFRAP: No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 01/26/99 Date Made Active at EDR: 04/02/99 Database Release Frequency: Quarterly Date of Data Arrival at EDR: 03/03/99 Elapsed ASTM days: 30 Date of Last EDR Contact: 03/03/99

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at

least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after

August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams

Source: Federal Emergency Management Agency

Telephone: 202-646-2801

National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

South Carolina Water Well Database

Source: Department of Natural Resources

Telephone: 803-737-0800

Appendix D Soil Laboratory Analytical Reports

Is this work being conducted for regulatory compliance monitoring? Yes_No_Y Drinking Water
None Rec Lab Temp Which regulations apply:

RCRA____ NPDESWastewater___ Watertown, WI (R) (920) 261-1660 Is this work being conducted for regulatory enforcement action?

Yes... No. 20 Rockford. II (Q) REMARKS (815) 874-2171 O Yes Bottles Supplied by TA: LAB USE ONLY: Custody Seal: Other UST Orlando, FL (P) (407) 851-2560 ☐ Nashville, TN (M) ☐ Pontiac, MI (O) Офрет 'os'h ケントの井 Time | Тіте ONH 6265.99, 10/Tope 426 99, 900Time HOE ☐ Macon, GA (N) (912) 757-0811 Jupped Fed of to Spec Assays Auth 11 #811315098319 HCI (615) 726-0177 REQUESTED PARAMETERS Date ☐ Indianapolis, IN (L) (317) 842-4261 ☐ Lumberton, NC (K) IESIAMERICA INC. ☐ Davenport. IA (J) (319) 323-7944 28 ☐ Bartlett, IL (C) ☐ Cedar Falls, IA (E)☐ Charlotte, NC (G) ☐ Dayton, OH (I) (937) 294-6856 2015 9916H Received By heh8 Received By: Received By: Received By: Brighton, CO (D) Charleston, SC (F) Columbia, SC (H) (303) 559-0497 (843) 849-6550 (803) 796-8989 Truman/Eric White (704) 392-1164 29 80 00 Lab Use Тіте Dat6-25, [Of Gime Time 是 9489 Report Address: 498 Wapulo P.C. Blud Invoice Address: SHME 35 Time | Comp (C) | Matrix | 30:1 18/15 89 State Samples Collected (319) 277-2401 Sampled By: Rock Date ☐ Level 4 ☐ Other S ☐ Level 2 - Batch QC Project No .: Date Needed: -Quote No. 1275 1100 000 P.O. No: 1320 1445 6-23 1030 1135 029 1535 1215 Attn: (630) 289-3100 50ire 100Mr. Pleasunt X29464 Fax No.: 843 856 4283 Date Phone No.: 843 856 4270 Eric White Chain of Custody Record O None Rush (surcharges may apply) FRM ☐ Asheville, NC (A) Atlanta, GA (B) (770) 368-0636 TURNAROUND TIME (828) 254-5169 Relinquished By: 2-85 5-95 5-85 58-4 58-6 58-10 Sample ID 1-85 58-7 58-8 58-9 QC Deliverables: Relinquished By: Relinquished By: Relinquished By: COMMENTS: Standard

久 % Drinking Water_____None__ ONº ON'A Rec Lab Temp 8 NPDES Wastewater Is this work being conducted for Is this work being conducted for regulatory enforcement action?

Yes. No. Watertown, WI (920) 261-1660 Rockford. II (Q) (815) 874-2171 REMARKS compliance monitoring? Yes_ Which regulations apply: Page-Custody Seal: Tyes Bottles Supplied by TA: LAB USE ONLY: RCRA_ Orlando, FL (P) (407) 851-2560 Other ☐ Nashville, TN (M) ☐ Pontiac, MI (O) UST (248) 332-1940 Init Lab Temp auon ? 178605/E/1841 Тэф 'OS'H 48424 Time ONH 10/File Time 1 900 Time HOav (912) 757-0811 HCI (615) 726-0177 6.25.99 Date REQUESTED PARAMETERS 6/26/99 Date Date Date ☐ Indianapolis, IN (L) (317) 842-4261 ☐ Lumberton, NC (K) **TESTAMERICA INC.** (910) 738-6190 Davenport. IA (J) (319) 323-7944 (937) 294-6856 PONS 4648 3 Received By: Received By: Received By Descrived Re-2 (630) 289-3100 (319) 277-2401 (704) 392-1164 Brighton, CO (D) (Charleston, SC (F) (☐ Columbia, SC (H) (303) 659-0497 (843) 849-6550 (803) 796-8989 ☐ Cedar Falls, IA (E)☐ Charlotte, NC (G) 8678 3486 6 8 8 Time | Comp (C) | Matrix | Lab Use (or Orme 北西 Time 768 State Samples Collected 6-25 Date ري ☐ Level 4 ☐ Other Date Invoice Address: ☐ Level 2 - Batch QC Sampled By: Project No.: Date Needed:-Quote No. P.O. No: 1200 0421 1030 150 136 Attn: ☐ Bartlett, IL (C) 47-9 Date COMMENTS: SLUDDED Chain of Custody Record O None Rush (surcharges may apply) ☐ Asheville, NC(A) Atlanta, GA (B) (770) 368-0636 TURNAROUND TIME 50-15 (828) 254-5169 21-85 58-14 58-13 11-85 Sample ID Relinquished BC QC Deliverables: Relinquished By: Relinquished By: Polinoni b. I De-Report Address: Standard Standard Phone No.: Fax No.: Client: Attn:



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424 TERESA SRAILSFORD P85A JOHNWIE DODDS BLDV NT. PLEASANT, SC 27464

"YOULDETT! 中华尼伊

Project Name: ERM Sampler: RUD TRUMAN Lab Number: 99-A94976

Sample ID: SB-1 Sample Type: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 10:30 Date Received: 6/26/99

Time Received: 9:00

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2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94976

Sample ID: SB-1

			Report	Roan	011					
Realece	Result	Units	Linit	Linit	Factor	Date	Time 	Analyst	Nethod	Baty
Di-m-octulabthwlate	NO.	ng/kg	0, 304	0.330	1	7/ 4/99	20: 47	M. Goodrich	8270C	701
Fluoranthese	HD	ng/ka	8.334	8.330	1	7/ 4/99	20: 47	M. Goodrich	8270C	701
Fluorene	E EE	ng/kg	0.384	8, 330	1	7/ 4/99	20: 47	n. Soodrich	8270C	701
demachlurobonzene	HD	ng/kg	0.384	8.938	1	7/ 4/99	28:47	M. Soodrich	82700	701
Hexachlorobotadiane	MD OH	ng/kg	0.384	Ð. 393	1	77 4799	28:47	M. Goodrich	82700	701
Hexachlorocyclopentadiene	MD	ng/kg	0.389	0.330	1	7/ 4/77	20: 47	Π. Goodrich	32700	701
Hexachlorostasos	HD.	tig/kg	0.384	0.330	1	7/ 4/99	20:47	M. Goodrich	82700	701
Enders (1,1,5-ed) gyrene	NB	सद्यक्ष	0.984	B. 990	1	7/ 4/77	20:47	N. Goodrich	8270C	781
leophurone	ND	Hg/kg	0.384	8.338	1	77 4/99	28: 47	n. Soodrich	8270C	701
l-Methylmostchalenc	HD	ng/kg	0.384	0.330	1	77 4799	20: 47	M. Goodrich	8270C	701
Z-Metagipaewal	HD	no/ka	0.384	0.950	ž	7/ 4/99	28:47	it. Goodrich	8278¢	701
a,g-Nethwiphenni	HB	ng/kg	9.364	0.930	1	7/ 4/99	20:47	M. Goodrich		701
taphthalose	HO	सर्वेश्वर	8.384	0.530	1	7/ 4/99	28: 47	it. Goodrich	8270C	701
1-Mitrona:llae	HD	tig/kg	8.959	0.025	1	7/ 4/99	20:47	M. Goodrich		701
i-Witrosm, Line	ND	ny/ka	0.959	0.825	1	7/ 4/99	20: 47	M. Soodrich	8278C	701
T-Mitrosolline	AP	на/ка	0, 959	0.825	1	77 4/99	20: 47	ff. Goodrich	8270C	781
Kikrobenzene	H 0	ng/kg	0. 384	0.350	1	77 4799	20: 47	M. Goodrich	8270C	701
I-Hitraghem L	HO	Mark 15	0.684	0.930	1.	7/ 4/99	20:47	M. Goodrich	8270C	791
i-Mitrophesel	MD	ng/kg	0.959	0.825	1	77 4799	20: 47	M. Soodrich	8270C	701
i-mitrosomi-m-propulaniae	HD	त्रपुर रेख संदर्भ देख	0.384	0.330	1	77 4/99	20: 47	A. Soodrich	8270C	701
d-mitrosomiphenglamine	AD	ng/kg	0.384	0.998	1	7/ 4/99	28: 47	M. Soodrich	8270C	7018
Pertachiorophenol	NP	ng/ka	9. 959	0.825	1	77 4/99	20: 47	n. soodrich	8270C	7018
Ahensuture ne	HD.	ag/ka	0.384	0, 330	3	7/ 4/99	20: 47	M. Soomich	8278C	7018
Phenoi	HD	ud/gd udvira	0.384	0.930	1	77 4799	20:47	n. Goodrich	8278£	7918
gatau.	40	ng/kg	8.384	0.330	1	7/ 4/99	20: 47	n. soosrich	8279E	7018
Pis(2-eth;Lboxql)phthalute	NO	ng/kg	0.384	0.330	1	7/ 4/99	20: 47	M. Soodrich	8279C	7018
1.2.4-Frichlorobenzone	MD	ng/kg	0.384	0.330	1	7/ 4/99	20:47	n. good isn N. Goodrich	8278C	7018
1,4,1 PricMerrahenol	MD	ng/kg	0.959	0.825	1	7/ 4/99	20: 47	n. Soodrich	8270C	7018
: 4,6-Tricklorophenol	H.D	ng/kg	0.384	0. 330	1	7/ 4/99	20: 47	n. Soodrich	82700	7013
WELGTILE DESANTESA										
une come	HD	ay/lo	1.159	0.0100	108	6/29/99	8:46	H. Hurt	82668	5824
(EBZERE	110	an/ka	0. 7326	0.0020	100	6/29/99	0:46	H. Hurt	8260H	5824
Granchenzeu-	NV.	ag /kg	0.2326	0.0020	100	8/29/99	0:46	H. Hurt	82600	5824
Promes it and metitane	N \$	ng/kg	0.2326	0.0020	1.00	6/29/99	0:46	M. Hurt	82608	5824
(70HG+8)(H	350	ng/kg	8, 2326	0.0020	100	6/29/99	0:46	N. Hurt	8260II	5824
Prononechase	ND.	ng/kg	8, 2324	0.0100	188	6/29/99	0:46	N. Hurt	8260B	5824
I-fest and ne	MD	ng/kg	1.163	8, 0100	100	6/29/99	0:46	H. Hurt	3260K	5824
r-Butqlbesgeae	ND	ng/kg	8, 2326	8,6020	100	8/29/99	0:46	H. Hurt	8780K	3874
ener renigios	NO	ng/hy	0.2326	0.0020	100	6/29/99	0:46	H. Hurt	82606	5824
:-Dutallessea	성장	ng/ky	0.2326	0.8020	1.00	6/29/99	0:46	X. Hurt	8260B	5824
arbon diselfide	MD.	ng/kg	0.2326	0.9020	100	8/29/99	0:46	K. Hurt	87400	5874
Carbon tetrochionide	(47)	ng/ka	0.2326	0.0070	100	8/29/99	8:46	H. Hurt	82600	5824
làlarabeszene	NO	ng/ko	0, 2326	0.0020	100	8/29/99	0:46	H. Hurt	82600	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94976 Sample ID: SB-1

988 <u>1</u> 478	Result	Units	Report Limit	Ausa Linit	Dil Factor	Date	Tine	Analyst	Nethod	Nato
	20 FE TO 12 M 141 W 100 M 141		*******	-	************					
Caloroethame	MD	ngAg	0, 2328	8,0028	100	6/29/99	0:46	X. Hurt	8260B	5824
I-Chlorcethyiviaylether	άÜ	ngzka	8,2326	0.0020	109	6/29/99	0:46	A. Hurt	82688	5624
Chloroforn	%D	អច្ច/វិស្ត	0. 1375	0.0020	100	8/29/99	0:46	X. Hurt	87600	5874
Caloromethane	HD	ng/kg	0.2326	0.0100	100	6/29/99	8:46	H. Hurt	82608	5824
2-Cálorotalueme	MD:	ng/kg	0.2328	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
4-Chlorotoloene	86	ng/log	0.2326	9.9929	100	6/29/99	0:46	M. Hurt	8260B	5824
i,2-Dibromo-3-ohloropropame	ND	ng/kg	1.163	9,9100	180	8/29/99	8:46	R. Hurt	8260B	5824
Oibromoblaromethame	MD.	Hg/देव	8, 2326	8,8820	100	6/29/99	0:46	R. Hert	82601	5824
1,2-Dibromethame	H0	ng/ka	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	82600	5824
Dibromomethame	MD	सकु/हेन	0.2326	9,0020	100	4/29/99	0:46	N. Hurt	82608	5824
1,2-Gicaburobanzane	HI)	सबुर हिंतु	0.2326	0.0028	100	6/29/99	B: 46	H. Hurt	82608	5824
l,3-Dic&lorobenzene	ND CIN	на/на	0.2326	0.0020	100	8/29/99	0:46	R. Hurt	8250H	5824
1,4-0:calorobenzene	HE.	ндежд	0.2326	0.0020	100	6/29/99	0:46	A. Hurt	8268B	5824
Michigradifluoroaethame	ЖD	संकुरीर ह	0.2326	0.0020	100	6/27/99	0:46	સ. સહાદ	6240B	5824
i.1-Dicalorosthaes	MD	ng/kg	9, 2376	0.0020	100	8/29/99	0:46	R. Hurt	8260B	5824
: ,2-Dioblorostbane	HD.	ng/ko	9, 2326	0.0020	100	8/29/99	0:46	8. Hurt	8260R	5824
L_1-Dicaloroetheag	HB	ng/kg	8.2526	0.6020	186	6/29/99	8:46	N. Hort	8260B	5624
sis-1,2-Dichioroethese	8,430	ng/kg	0.2328	6.0020	100	6/29/99	0:46	H. Hurt	82688	5824
trans-1,2-Dichlorosthene	ЯD	HA/Kg	0. 2328	0.0020	100	8/29/99	0:46	K. Hurt	8260E	5824
1,2-Dichloropropane	HU.	ng/kg	0.2325	0.0020	100	6/29/99	0:46	a. Hurt	8260B	5824
1,3-Dichlorogroppme	MD	ng/kg	0. 2326	8.0070	100	8/29/99	0: 46	N. Hurt	8260U	5874
2,2-Dickloropropose	ND	na/kg	0. 2326	8. 8020	100	6/29/99	0:46	%. Hurt	8260U	5824
i,1-Dichioropropene	46	ng/kg	8.2326	0.0020	100	6/29/99	0: 46 0: 46	H. Hurt	82608	5824
dis-1,3-Diabloropropene	MD	BB/RA	0. 2328	0.0020	186	6/29/99	0. 46 0: 46	H. Hurt	8268K	5824
trans-1.3-Dichloropropene	жD	Hq/kg	6. 2326	0.0020	100	8/29/99	0: 46	R. Hurt	8260K	5824
Ethal beczese	7.791	ng/kg	8. 2326	0.0020	100	8/29/99	0. 46 8: 46	R. Hurt	8260U	5824
texachlorobotagiene	HD	ng/kg	0. 2326	0.0028	100	6/29/99	0:46	n. nort N. Hurt	6260B	5824
2-Наколове	MD	ng/kg	1.163	0.0020	100	6/29/99	0.46 0:46			
isopropelhenzene	NO MO		8. 2326	0.0020	100			H. Hurt	82608	5824
T-Isopropaltolaene	46	ng/kg madaa	0.2326	0.0020	100	6/29/99	8: 46 D: 46	H. Hurt	82608	5824
H-Nethgl-I-pentanona	86 86	ng/kg ng/kg	1.163	0.9020	100	6/29/99 6/29/99	D: 46 D: 46	พ. พับสรั	8260B	5824
tethulene ublozido	41); etc.	ng/kg Ha/ka	1.163	0.0100	100	6/29/99	0.46 0:46	N. Hurt	8268B	5824
on agreem anno eus Inphihalese	HD	Hg/kg Hg/kg	0, 2376	0.0200	100			H. Hurt	82608	5824
rirogibrazene	ND 38	HQ/X3	0.2326	0.0020	100	8729799 6729799	0:48 0:46	R. Hurt	87668	5874
igalene Igalene	HD no	ng/log					D: 46	H. Hurt	8268B	5824
.jl,l,l-Tetroublorosthwas		सङ्ग्री प	0.2328 n.2328	8.9029 n neen	186	6/29/99 6/29/99	B: 46	N. Hurt	82608	5824
[,1,2,2 Tetrachloroethame	MS un	rige/kg	0, 7326 0, 7374	0.7020	100	6/29/99	9:46	N. Hurt	B2600	5824
•	40 0 7791	ng/kg	0. 2326 3. 2226	8.0028 0.0028	100	\$/29/99 4 /20 /00	8:46	W. Hurt	8250R	5874
	0. 2791	ng/kg	0.2326	0.0020	100	6/29/99	0:46	H. Hurt	8250N	5824
oleene	HD Wa	HBAKA	0.2326	8.0020	100	6/29/99	0:46	H. Hurt	82608	5824
emeraedovolkorvī-E,I,	MD	ng/kg	0. 2326	0.0020	100	6/29/99	0:46	R. Hort	8260E	5824
i,7,5-frichlorobenzene	MD	ng/kg	0, 2376	0.0070	100	8/29/99	0:46	N. Hurt	82600	5824
L.1.1-Trioblarcethage	MD.	Hg/kg	8, 2326	6.0020	100	8/29/99	0:46	H. Hurt	3250B	5874
.1.2-7×ichionoethane	H0	ng/kg	8.2326	0.0020	100	6/29/99	B: 46	H. Hurt	82688	5824
richloroethene	4.802	સંવુર્ટ હતુ	0.2326	9.8020	100	6/29/99	0:46	X. Hert	8268B	5624



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94976

Sample ID: 58-1

Page 4

			Report	Quan	Dil					
Amalyka	Result	Units	Linit	Linit	Factor	Date	Tine	Analyst	Method	Batch
1,2,3-Trichlozopropane	Mü	ng/kg	8.2326	9.0029	100	6/29/99	8:46	M. Hurt	82688	5824
1,Z,4-Trimethylbenzene	NP	#4/84	0.2526	0.0020	100	6/29/99	8:46	N. Hurt	8268B	5824
1,3,5-Trimethylbenzene	ND	ng/kg	0.2326	0.0020	100	6/29/99	D: 46	N. Hurt	82608	5824
Vingl obloride	HD	Hg/kg	8,2326	0.6020	100	6/29/99	8:46	N. Hurt	62606	5824
Xylenes	14.55	ng/kg	9,2326	0.0020	100	6/29/99	8:46	N. Hort	82688	5824
Uronedichloromethame	ND	ng/kg	8, 2326	0.8820	100	8/29/99	0:46	N. Hurt	8260T	5874
Trichlorofluoromethame	HD	ng/kg	0.2326	0.0020	100	6/29/99	8:46	W. Hurt	82600	5824
MGENERAL CHEMISTRY PARAMET	ERSH									
X Dry Welght	R5_	X			ï.	7/ 2/99	17:18	Fitzwater	CLP	3153

ND = Not detected at the report limit.

Sample Extraction Data

	WE/Vol Extracted	Extract Vol	Vate	Analyst	Method
SMA's	30 0 ди	1.0 al	6/38/99	Fitzwater	3550
√olatile Urganies	5.5 g	5.8 al	6/23/99	W. Wurt	5035

Surrogate	X Recovery	Target Range
	to the last the last can be for the	**************************************
surr-1,2-Dichloroethams, d4	రక.	48 160.
sorr-Foldene 48	91.	79 <u>11</u> 9.
surr-4-Aramofluorobeszene	79.	69 135.
surr-Dibromofimoromethame	69.	63 135.
surr-Mitrobenzene-dS	50.	29 118.
surr-t-Fluorobiphenyl	\$7.	18 110.
surr-Terpseryl d14	76.	27 128.
sorr-Phenol d5	75.	18 111.
surr-2-Flyoropherol	37.	10 107.
Ionedgonordani-a, F, I-rvus	82.	14 110.

All samples have been corrected for dry weight.





2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94976

Sample ID: SB-1

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 84009



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424

TERESA BRAILSFORD

985A JOHNNIE DODDS BLDV 1T. PLEASANT, SC 29464

Project: 9489

Project Name: ERM Sampler: ROD TRUMAN Lab Number: 99-A94977

Sample ID: SB-2 Sample Type: Soil

Site ID:

Date Collected: 6/23/79 Time Collected: 11:00 Date Received: 6/26/99 Time Received: 9:00

Recemple			100	Report	neun	Dil			100.00		
Recemple	Analyte	Result	Units	Linit	Linit	Factor	Date	Tine	Analyst	Method	Bato
Recemple						********				-	
Authorogene ND ng/kg 0.379 0.320 1 7/ 4/99 21:25 N. Goodrich 8270C detactoral anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C newsofal anthorogene ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C Ng-polahorobenzone ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C Ng-polahorobenzone ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C Ng-polahorobenzone ND ng/kg 0.379 0.330 1 7/ 4/99 21:25 N. Goodrich 8270C Ng-pola	MEKTROCTOBLE URGANICSM										
### Anthriosee ### ### ### ### ### ### ### ### ###	Aceasphihene	원함	ng/kg	8, 379	0,980	1.	7/ 4/99	21:25	n. Soodrich	8270C	7018
Remark April Apr	Roomaghinglese	ND	ngekg	0.379	0.330	1	7/ 4/99	21:25	ff. Sondrich	8270C	7018
	Anthrodene	NB	ngekg	8.379	9,358	1	77 4/99	21:25	n. Goodrich	8270C	7018
Denzolb) Fluorauthane	Genzo(s)asthracese	dk dk	ng/kg	0.379	0.330	1	77 4799	21:25	M. Goodrich	8278C	7013
### denzo(q, A, i) perglome	(entrola) agrene	MD	ng/ka	8.379	9. 338	1	7/ 4/99	21:25	M. Goodrich	8278C	7018
Denzo(k) Fiver anthone	Panzo(b)fluoranthana	HD		9, 379	0, 990	.7	7/ 4/99	21:25	M. Soodrich		7016
### Remarks No.	lenzo(4,4,1)perglone	HC:	., .	0.379	0.939	1	77 4/99	21:25	M. Goodrich	8270C	7018
### Second Company of the control of		NO			9, 450	1					7018
String S	4-Bromophenglobengiether	НD	-	8.379	0. 330	1	7/ 4/99	21:25	M. Goodrich	8278C	7018
Carbasole		HD				3					7018
A-Chloro-l-methylphenol 80 my/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8270C 4-Chloroshilme 80 mg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8270C bis(2-Chloroshiny)methane 80 mg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8270C bis(2-Chloroshiny)methane 80 mg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8270C bis(2-Chloroshiny)methane 80 mg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8270C bis(2-Chloroshiny)methane 80 mg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8270C 1-Chloroshinhinhinhinhinhinhinhinhinhinhinhinhinh											7019
### Chlorosciline	4-Chloro-d-methalohemal					1					7018
######################################											7018
### ### ##############################		HE	-								7018
### ### ##############################	-										7018
Chlorophenol HO mg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8270C 1. Chlorophenol HO mg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8270C 1. Chlorophenylph	14										7018
### Chlorophenol											7818
### Chlorophenglphenglether ND											7018
### Display of the property of	·										7018
### ##################################											7018
Dibenz(a, a) anchrocene HD ng/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 6276C 1.3-Dichlorobenzene HD ng/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8276C 1.3-Dichlorobenzene HD ng/kg 0.379 0.390 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichlorobenzene HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichlorobenzidine HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.380 1 7/ 4/99 21:25 M. Goodrich 8276C 1.4-Dichloropheadl HD ng/kg 0.379 0.3	4		-								7018
1,2-Dichlorobenzene											7018
1,3-Dichlorobeazene NB ng/kg 0.379 0.330 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dichlorobeazene NB ng/kg 0.379 0.330 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dichlorobeazene NB ng/kg 0.379 0.380 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dichlorophenol NB ng/kg 0.379 0.380 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dichlorophenol NB ng/kg 0.379 0.380 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dimethylphenol NB ng/kg 0.379 0.380 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dimethylphenol NB ng/kg 0.379 0.380 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dimethylphenol NB ng/kg 0.379 0.380 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dimethylphenol NB ng/kg 0.379 0.380 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dimethylphenol NB ng/kg 0.379 0.380 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dimitrophenol NB ng/kg 0.948 0.825 1 7/ 4/99 21:25 M.Goodrich 8278C 1,4-Dimitrophenol NB ng/kg 0.948 0.825 1 7/ 4/99 21:25 M.Goodrich 8278C						_					7018
1,4-Dichlorobenziene MD ng/kg 0.379 0.380 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dichlorophenzieine MD ng/kg 0.759 0.660 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dichlorophenal MB ng/kg 0.379 0.380 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dichlorophenal MB ng/kg 0.379 0.380 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dinethylphenal MD ng/kg 0.379 0.380 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dinethylphenal MD ng/kg 0.379 0.380 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dinethylphenal MB ng/kg 0.379 0.380 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dinethylphenal MB ng/kg 0.379 0.380 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dinethylphenal MB ng/kg 0.379 0.380 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dinethylphenal MB ng/kg 0.348 0.325 1 7/ 4/99 21:25 N. Soodrich 8278C 1,4-Dinethylphenal MB ng/kg 0.348 0.325 1 7/ 4/99 21:25 N. Soodrich 8278C			4 4								7016
### 8.757 0.688 1 77 4/99 21:25 M. Goodrich 8278C 1,4-Dichloropheaul HB	3										7018
1,4-Dichlorophead	· ·										7018
Diethylphthalate HO Hg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8276C 7,4-Dimethylphenol HO Hg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8276C Dimethylphthalate HO Hg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8276C Dimethylphthalate HO Hg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8276C Dimethylphthalate HO Hg/kg 0.379 0.330 1 7/ 4/99 21:25 M. Goodrich 8276C 1,4-Dimitrophenol HO Hg/kg 0.946 0.925 1 7/ 4/99 21:25 M. Goodrich 8276C 1,4-Dimitrophenol HO Hg/kg 0.948 0.825 1 7/ 4/99 21:25 M. Goodrich 8276C									· ·		7018
Fig-Dimethylphenol NO mg/kg 0.379 0.330 1 7/ 4/99 21:25 M.Goodrich 8278C dimethylphthalate NO mg/kg 0.379 0.330 1 7/ 4/99 21:25 M.Goodrich 8278C dimethylphthalate NO mg/kg 0.379 0.330 1 7/ 4/99 21:25 M.Goodrich 8278C dimethylphthalate NO mg/kg 0.379 0.330 1 7/ 4/99 21:25 M.Goodrich 8278C dimethylphenol NO mg/kg 0.946 0.825 1 7/ 4/99 21:25 M.Goodrich 8278C dimethylphenol NO mg/kg 0.948 0.825 1 7/ 4/99 21:25 M.Goodrich 8278C dimethylphenol NO mg/kg 0.948 0.825 1 7/ 4/99 21:25 M.Goodrich 8270C	· ·		-								7018
### ##################################											7018
i-n-butglphthalate 80 mg/kg 0.379 0.330 1 7/ 4/99 21:25 M.Goodrich 82700 1,6-Dialtro-I-methylphesol 80 mg/kg 0.946 0.825 1 7/ 4/99 21:25 M.Goodrich 82700 1,4-Dimitraphesol 80 mg/kg 8.948 8.825 1 7/ 4/99 21:25 M.Goodrich 82700 1,4-Dimitraphesol 80 mg/kg 8.948 8.825 1 7/ 4/99 21:25 M.Goodrich 82700 1											7018
7,6-0ialkro-2-methylphesol HB	•										7018
[4-Dimitrophenol MD mg/kg 8.948 8.825 1 7/ 4/99 Z1: Z5 M. Goodrich 82780						_					7018
[4-dimitrolphoses XD mg/kg 8.377 8.330 1 7/ 4/99 21:25 M.Goodrich 82780	•		0.00								7018
1,4-dimitrolphese HD mg/kg 8,379 8,339 1 7/4/99 21:25 M.Goodrich 82780 1,6-Dimitrolphese HB mg/ky 8,379 8,330 1 7/4/99 21:25 M.Goodrich 82780			-4								7018 7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 77-A94977

Sample ID: SB-2

Analyte	Kesult	Units 	Report Limit	Quan Linit	Dil Factor	Date	Tine	Analyst	Hethod	Batc!
Di-s-octylphthalate	ЖD	Hg∕kg	0. 377	0.330	1	7/ 4/99	21: 25	M. Goodrich	8270C	7018
Fluoranthese	ND	ng/ka	0.379	0.330	3	7/ 4/99	21: 25	M. Soodrich	3270E	7018
figoress	80	ng/kg	0.379	0.330	1	7/ 4/99	21:25	M. Soodrich	8270C	7016
Sexachlorobenzene	HO	ng/kg	0.379	0.330	1	7/ 4/99	21:25	M. Soodrich	6279C	7018
Hexachlorokotadiene	ND	uo,ka uarea	8,379	0.330	1	7/ 4/99	21: 25	n. Soodrich	3270C	
Hexachiorocyclopentadiene	AD ""	Ha/ka	0.379	0.330	7	77 4799	21: 25	M. Socarica	3278C	7018 7018
Hexachloroethane	HD 	13/kg	0.379	0.330	1	7/ 4/99	21: 25	n. Soudrich	8278C	7018
Indemo(1,2,3-od) oureme	HD 	11 12 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.379	0.330	1	77 4/39	71: 25	n. Socarion	8270C	7818
Laophorone	MD:	ng/kg	8. 779	0.330	1	7/ 4/99	21:25	n. coodrica		
2-Nethylnaphthalene	MD Win		0. 777	8,330		7/ 4/99	21:25		6270C	7018
2-Nethylphesol	ND ND	819/Rg	0. 377 0. 377	0.330 0.330	1			M. Goodrich	82700	7018
:,p-Nethylphenol	MD	ng/ko			1.	7/ 4/99	21: 25	n. Seedrich	8270C	7018
n,proeungapoemoz Haphthalene	32) HD	p Kypti	9.379 n.370	0. 330 8. 338	1	7/ 4/99	21: 25	N. Goodrich	3279C	7018
naphunasene Z-Mitroasilisa		ng/kg	0.379	8.338	1	77 4/99	21:25	ff. Soodrich	8270C	7018
armitrosmiline	HD VD	ng/kg	0.948	8,825 8,825	1	7/ 4/99	21:25	A. Soodrich	8278C	7918
3-Mitrospiline	ND OH	ng/kg	0.748	8.875	1	7/ 4/99	71: 75	M. Goodrich	8270C	7018
	HD	ng/kg	0.743	0.825	3.	77 4/99	71: 25	M. Goodrich	8270C	7018
ditrobenzene	HD.	ngekg	0.379	0.350	1	77 4799	21: 25	n. Soodrich	627GC	7016
1 Witrochenci	#D	ng/kg	0.377	0.330	1	77 4/99	21: 25	M. Goodrich	8270C	7018
4-hitrophenol	90	प्रवेश्हरी	0.748	0.825	1	7/ 4/99	21:25	a. Soodrich	8270C	7018
H-mitrosodi-a-propylamine	760	ng/kg	9. 379	0.330	1	77 4/99	21:25	A. Soodrich	8278C	7018
H-nitrosodiphenglamine	HD	ng/kg	8, 379	0.330	1	77 4799	Z1: 25	M. Soodrich	8270C	7018
Pentachlorophenel	ЖD	ng/kg	0.743	0.825	1	77 4/99	21:25	M. Goodrich	8270C	7013
Phenanthrene	HD	អនិក្សន	0.379	0, 330	1	77 4799	21: 25	M. Goodrich	3270C	7018
Phenel	HD	navka	0.379	8.330	1	77 4799	21:25	A. Goodrich	8279C	7016
7486G	<i>1</i> 40	ng/kg	0.379	0.330	1	77 4/99	21:25	M. Goodrich	8278C	7016
Sis(Z-ethgihexyl)ohthalate	KD	nayka	0.379	0.330	1	77 4799	21: 25	N. Goodrich	8270C	7018
1,2,4-Trinhlorobearene	R8	网络接着	8.379	0.950	1	77 4/33	21:25	a. Soodrich	8278C	7918
2,4,5-freeblorophenol	110	सव्/रेष	0.948	9,825	1	71 4/99	21:25	M. Soodrich	8270C	7018
Z,4,5-Trichlerophenol	30	ng/kg	8.377	0,330	Ĭ.	7/ 4/99	Z1: Z5	H. Goodrich	8270C	7013
AVOLATILE UNGANICON										
Asets ne	M)	Hanged.	0.0196	0.6993	1	6/27/99	19: 38	H. Hurt	6260B	5824
Senzese	XD	धर्व-१६व	0.0821	0.0019	1		19:38	N. Hurt	82608	5824
Sronobeszede	48	ng/kg	0.0021	6,0019	1	6/27/99	19: 38	H. Hort	82600	5824
Bronochiszonethana	MD.	सावेश्वरत	0.0021	0.0019	1	6/27/99		H. Hurt	8260B	5824
srenofern	ЖD	ng/ko	8, 9071	0.0017	<u>1</u>		19: 38	H. Hurt	8280U	5824
(cononetham	HD	13 G/K G	0.0021	0.0019	1		19: 38	H. Hurt	8260D	5824
I-But raone	HS.	ngekg	0.0105	0.0075	1	6/27/99	17:36	N. Hurt	82668	5824
n-Notylbenzene	ЯD	sg/kg	0.0021	0.0019	1	8/27/99	19:38	N. Hurt	82600	5824
.ec-Butylbeszese	MD.	ត់ថ្ម/វិស្ស	0.0021	0.0017	1	8/27/99	19: 33	K. Hurt	82600	5824
t-Butgluenzene	HD .	મહેત્કહો ક	0.0021	0.0019	ī	6/27/99	19:38	N. Hurt	82608	5624
Corbon disulfide	0.0131	ng/kg	0.0021	0.0017	1	6/27/99	19: 38	H. Hurt	37600	5824
larbon tetrachloride	HE.	ng/kg	0.0021	0.0019	1	6/27/99	19:38	A. Hurt	8260B	5824
Telerobeazeae	HD	ng/kg	0.0021	0.0017	1	6/27/99	19: 38	H. Hurt	82608	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94977 Sample ID: 58-2

- 	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Tine	Analyst	Method	Natol
	*******		-		***					
Chloroethane	HD OK	ng/kg	0.0021	0.0019	1	6/27/99	19:38	H. Hurt	8260B	5824
I-Chloroethylviaylether	सर	ng/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	62608	5824
Shlaraforn	NB	ng/kg	0.0021	0.0019	1	6/27/99	19:38	H. Hurt	82 <i>6</i> 88	5824
Caloromethase	HD	ng/kg	0.9021	0.0019	1	6/27/39	19:38	N. Hurt	8260B	5824
I-Chlorotoloene	MD	ng/kg	0.0021	0.0019	1	6/27/99	17:38	H. Hurt	8260B	5824
4-Chlorotoluene	例	ng/kg	8.0071	0.0017	1	6/27/99	17:38	K. Hurt	87500	5824
l,Z-Gibrono-3-oblorograpame	AD	ng/kg	8,9195	0.0093	ī	6/27/99	19:38	A. Hurt	82698	5824
Dibromochluromethame	ND	eig/log	0.0021	0.0019	1	6/27/99	17:38	a. Hurt	8260E	5824
1,Z-Dibromoethame	ND	ag/kg	0.0071	0.0019	1	8/27/99	17:33	N. Hurt	8260F	5874
Dibromomethame	HB	ng/kg	0.0021	0.0013	1	6/27/99	19:38	N. Hort	82608	5824
l,2-0igülerebeszese	80	ng/kg	8.8821	0.0019	1	6/27/99	17:38	N. Hurt	82608	5824
1,3-Dichlorobeazene	HD	ng/kg	8.0871	0.0017	1	8/27/99	17: 33	K. Hurt	3260E	5874
l.4-Dichlorobeszene	MD	Horka	0.0021	0.0019	1	\$/27/99	19:38	H. Hurt	826BB	5824
Dichlorodi Fluoromethame	MO	ng/kg	8.0021	0.0019	1	5/27/99	19:38	M. Hurt	8260N	5824
i,1-Dichleresthame	MD.	ng/kg	0.0021	0.0017	1	8/27/99	19: 38	N. Hurt	8250D	5824
i,2-Disklorosthams	HD	संबर्गंह व	0.0021	0.0019	1	6/27/99	19:38	H. Hurt	8268B	5824
1 1-Dichlornethene	MD	ng/kg	6.6621	0.0017	1	6/27/99	19: 38	8. Aurt	82600	5824
ois-1,2-D:chloroetheme	MD	ng/k q	0.0021	0.0019	1	6/27/99	19:38	H. Hurt	8768N	5824
trans-1,2-Dichioroethens	NO.	ng/kg	8,8021	0.0019	1	6/27/99	19:38	N. Hurt	82600	5824
1,2-0ichloropropane	報收	ng/kg	0.0021	0.6019	1	6/27/99	19:38	H. Hurt	8260B	5824
:,3-Dicaloropropase	经验	ng/kg	0.0021	0.0019	1	8/27/99	19:38	X. Hurt	3280K	5874
2,2-Dichlereprepase	ЯĐ	ng/kg	8,0021	0.0019	1	8/27/99	19: 38	N. Hurt	8260B	5824
i,i-Cicaluroprogane	HIP	ng/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8268B	5824
ois-1,3-Dichloropropene	HD	ng/kg	0.0021	0.0019	.1	8/27/99	19: 38	X. Hurt	8260K	5824
trans 1,3-Dichloropropese	器)	Hg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260K	5824
Ethulbenzene	HD	ng/ka	0.0021	0.0019	1	8/27/99	19:38	H. Hurt	82608	5824
texachlorobutadiese	XD	ng/kg	0.0021	0.8817	1	6/27/99	19: 38	N. Hurt	32600	5824
2-88478084	H0	ng/kg	0.0108	0.0093	1	6/27/99	19:38	A. Hurt	6260B	5824
Esopropyl beezsee	15.	អច្ច/ដំន	0.0021	8.0017	1	\$/27/99	19:33	R. Hurt	82600	5824
l-Isopropultaluese	MD	ng/kg	8,8021	0.0019	1	8/27/99	19: 33	M. Hurt	8260E	5824
i-Methyl-2-pentacope	HD	ng/kg	9, 9193	0.0073	1	6/27/99	19:38	M. Hurt	8250E	5824
iethologe chioride	48	ng/kg	0.0106	0.0093	1	6/27/99		H. Hurt	82608	5824
(aphthalene	HP.	ng/kg	6.0021	0.8019	1.	6/27/99		N. Hurt	82600	5824
s-Propulbenzene	MD	ng/kg	8.9021	0.0017	<u> </u>	5/27/99		E. Hort	876BB	5874
Egrene	AD-	शक्र/देख	0.0021	0.0019	7.	6/27/99		H. Hurt	82608	5824
1,1,1,2-Tetrachloroethase	310	ng/kg	0.0021	0.0019	1	5/27/99		H. Hurt	82500	5824
1,1,2,2-Tetrochloroethame	発む	ng/kg	0.0021	0.0019	1	6/27/99		H. Hurt	8268B	5624
Tetrachloroethene	MD	ngelog	0.0021	0.0019	1	6/27/99		N. Hurt	8260B	5824
โ ดเวียตกล	HD	ng/kg	0.0071	8,0019	1	\$/27/99		M. Hurt	82600	3824
1,2,3-Trichlorobenzeme	RD	ng/kg	0.8021	0.0019	1	8/27/99		M. Hurt	82600	5824
1,2,4-frichlorobenzene	HS	ng/kg	0.0021	0.9019	1	6/27/99		N. Hurt	6268B	5824
1,1,1-Trichloroethome	HD	सव्यक्तित्	9,9921	0.0019	1	6/27/99		A. Hurt	82688	5824
1,1,7-Triebloroethame	36	ng/kg	0.0021	0.0019	1	6/27/99		N. Hurt	8260B	5824
richlosoetheme	HD.	ng/kg	0.0021	0.0017	1	8/27/99		H. Hurt	82600	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94977

Sample ID: SB-2

Page 4

Saalute	Result	Units	Report Limit	Ruan Linit	Dil Factor	Date	Tine	Analyst	Method	Natch

1,2,3-Trichlaropropane	HD	ng/kg	0.8021	0.0019	1	6/27/99	19: 38	M. Hurt	8260K	5824
1,2,4-Trinethylbenzene	HD	ng/kg	0.0021	0.0019	1	6/27/99	19:38	R. Hurt	8280B	5824
1,3,5-Frimethylbenzene	80	ng/kg	0.0021	0.0019	1	8/27/99	19: 33	H. Hurt	82600	5824
Vingl chloride	3K	ng/kg	8.0021	0.0019	1	6/27/99	19:38	H. Hurt	6260B	5824
Äylenes	HB	ng/kg	0.8021	0.0019	1	6/27/99	19:38	N. Hurt	82608	5824
Uronodichloronethane	KD 08	ng/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	82680	5874
Tricklorofluoromethame	ЯD	ng/kg	0.0021	0.0017	1	6/27/99	19:38	H. Hurt	8260U	5824
REPRENAL CHEMISTRY PARAMET	ERSH									
2 Dry Weight	37	Z			1	77 2799	17:18	Fitzwater	CLP	3153

HD = Not detected at the report limit.

Sample Extraction Data

	#t/Vol				
Paraheter	Extracted	Extract Vol	Date	Analyst	Method
	************	***********			******
JHA's	30.8 gn	1.0 ml	6/30/99	Fitzwater	3558
Volatile Organies	5. 4 g	5.0 ml	6/23/99	H. Hurt	5835

Surregate	% Recovery	Target Range
Annual de monte par con par signatura in (mm)	THE SET OF THE SET OF SET OF	
nurr-1,2-Bichloroetbase, 44	124.	48 160.
surr-folueme 48	98.	79 119.
surr-4-Bronofluorobeozene	93.	69 135.
sure-Diaremefluoronathaes	313.	63 135.
avr-Altrobeazage-d5	53.	20 110.
surr-2-Fluorobiphengl	56.	18 110.
surr-Terphenyl did	67.	27 128.
urr-Phemil di	δó.	10 111.
surr-2-Fluorophenol	34.	10 107.
swr-2,4,6-Tribrosophenol	77.	14 110.

All samples have been corrected for dry weight.





2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94977

Sample ID: SB-2

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 84009



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424 TERESA BRAILSFORD 985A JOHNNIE DODDS BLDV

MT. PLEASANT, SC 27464

Project: 9489

Project Name: ERM Sampler: ROD TRUMAN Lab Number: 99-A94978

Sample ID: SB-3 Sample Type: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 11:35 Date Received: 6/26/99

Time Received: 9:00

	7-4-4		Report	शरपक्ष	Dil					
Analyte	Result	Units	Linit	Limit	Factor	Date	Tine	Analyst	Method	Hato
the particular flat and the state of the sta						*******			***********	****
MENTRACTABLE BREAKIESM										
Asanaphthene	MD	ng/kg	0.393	9,330	1	77 4799	22:04	A. Goodrich	82700	7018
Aceasphthylene	ALC:	ng/log	8, 393	0.330	1	77 4799	22:04	N. Soodrich	82780	7018
Aathraceae	AD:	ng/kg	8.393	8.330	1	77 4799	22:04	M. Soodrich	82780	7018
Be nzo (a)anthraceme	₩0	ng/kg	8.393	0.930	1	77 4799	22:04	M. Goodrich	82780	7018
Nenzo(a) agrese	MD	ng/kg	0.393	8, 338	1	7/ 4/99	22:84	n. Scodrich	8278C	7018
(lenzo(b) Fluoranthene	ND	rig/kg	8. 393	8.330	ì	77 4799	77: 84	M. Goodrich	8270C	7018
Genzo(q,h,i)perglene	HO	ng/ky	0.393	0.880	1	7/ 4/99	22:84	N. Soodrich	82760	7018
De nzo (k) Fluoranthene	HD:	सवर देख	8.373	8.339	1	7/ 4/99	22:84	M. Soodrich	8278C	7018
4-Bromophenylphenylether	MD	ng/kg	8. 393	0.330	1	77 4/99	22: 84	n. Soodrich	8270C	7018
Butulbeazgiphthalate	MD.	Ha/ka	8.393	0.330	1	7/ 4/99	22:04	M. Soodrich	6270C	7018
Carbazole	MD	ng/kg	8. 393	8, 338	1	7/ 4/99	22:84	M. Scodrich	8270C	7018
7-Chloro-3-methylpheaol	HD	ng/kg	8, 373	0.330	1	7/ 4/99	22: 84	M. Goodrich	827GC	7018
-Chlorosniline	ND	ng/ky	8.393	0.330	1	7/ 4/99	22:04	M. Goodrich	8270C	7018
dis(2-Chloroethoxy)methame	ND	HQ/kg	0.373	0.330	1	7/ 4/99	22: 84	M. Goodrich	827GC	7013
dis(2-Chloroethyl)ether	ND:	ngekg	8, 373	0.338	1	7/ 4/99	22:84	a. Soodrich	8279E	7018
dis(Z-ChloroisapropqL)ether	MB MB	ng/kg	8.393	0.990	1	7/ 4/99	22:84	M. Soodrich	8278C	7018
2-Chloronaphthalene	HD	ng/kg	8. 393	0.330	1	7/ 4/99	22:04	n. Goodrich	3270C	7018
2-Chlorophenol	HD HD	ng/kg	8. 393	8.330	1	7/ 4/99	22: 64	M. Goodrich	8278C	7018
4-Chlorophenglphenglether	MD	सर्वे\कृते भवे\कृत	0. 373 0. 373	0.550	1	7/ 4/99	22:04	M. Goodrich	82708	7018
Thrusana	MD We	ng/kg	8.373	0.330	1	7/ 4/99	22:84	n. soverice	8278E	7018
in yaowi Zibenzofuran	HD HD		0.373	0.330 0.330	1	77 4/99	22:04			7013
Pibenz(a,Waataroceae	no ND	ng/kg ng/kg	0.373 8.393	0.330	1	7/ 4/99	22:04	M. Goodrich	8270C 8270C	7015
ridenick, aramen imene 1.2-Dicklorobenzene	MB un	-	0.373 0.393	0. 330 0. 330				N. Goodrich		
.i Sichlorobenzene	HD	ng/kg	8.373	0. 330	1	7/ 4/99 7/ 4/99	22: 04 22: 04	M. Goodrich	8270C	7018
	ND	ng/kg						M. Goodrich	82780	7013
1,4-Dichlorebenzese		ng/kg	0.393	8, 330	1	7/ 4/99	22:84	M. Goodrich	3270C	7018
3,3'-Dichlarobenzidine	HD HD	ng/kg	0.786	0.660	1	7/ 4/99	22:84	M. Goodrich	8270C	7013
2,4-Dichlorenhenol	HD VD	нд/Ка	8, 393	0.330	1	7/ 4/99	22:04	M. Goodrich	8270C	7018
liethylphthalate	ND	Hq/kij	0.393	0.330	1	7/ 4/99	22: 04	n. Goodrich	8270C	7018
1,4-Dimethylphegol	HD.	ngeka	0.393	9, 950	1.	7/ 4/99	22:04	n. Soodrich	82780	7018
)imethglphthalata	HD:	ng/ky	0.393	9.930	1	77 4/99	22:84	M. Soodrich	8279C	7916
7i-m-butglphthalate	HP	Hg/kg	0.379	0.930	1	77 4/99	22:04	M. Goodrich	8278C	7016
1,6-Dimitro-I-methylyhemol	WD.	Bg/kg	8.782	0.325	1	77 9799	22: 84	M. Goodrich	3270C	7018
1,4-Dimitrophemol	HD	ну/ка	0.982	0.825	1	7/ 4/99	ZZ: 04	n. Soodrich	8270C	7013
1,4-dimitrotolueme	MD.	ng/kg	0,373	0.330	1	77 4799	22:04	M. Goodrich	8270C	7018
2,6-0iaitrotoluene	AD.	ngekg	9, 373	0.330	1	77 4/99	22:84	M. Goodrich	8270C	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94978

Sample ID: SB-3

Analste	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Tine	Analgst	Method	Sato
************		-				*********				
)i-a-ontylpätäalate	AD	ngZkg	8, 393	0.330	1	7/ 4/99	22: 84	M. Soodrich	6270C	7018
Fluoranthene	新路	Hg/kg	0.399	0.330	1	77 4/99	22:84	M. Soodrich	8270C	7018
F10072702	MD	Hg/kg	8, 393	0.330	1	7/ 4/99	22: 84	M. Seedrich	82700	7013
Hexachlorobenzena	HD	संबु/दिबु	0.999	0.930	1	77 4/99	22:04	M. Soodrich	8270C	7018
dexachlurobutadiene	HD	ngrka	0.393	0.380	1	77 4/99	22:04	N. Goodrich	62786	7018
Mexachlorocyclopentadlese	MD	ng/kg	8. 393	0.330	1	77 4799	22:04	M. Soedrich	82780	7018
lexachloroethane	KD	ng/kg	0. 373	8, 330	1	77 4799	22: 04	N. Soodrich	8270C	7018
Endeno(1,2,5-od)pyrese	ЖĎ	संबुरीस्व	8.393	0.330	1	77 4799	22:84	N. Goodrich	82700	7014
Isophorone	MD	ng/kg	5 . 373	0. 330	1	77 4/99	22: 64	n. Soodrich	8270C	7018
7-Methylauphthalene	WD	ng/kg	8.373	0.330	1	7/ 4/99	72:04	M. Goodrich	82700	7018
I-Methqiphenol	MD	ng/kq	0.393	8.338	1	7/ 4/99	22: 04	n. Soodrich	8270C	7018
ionedalphenol	ND	ng/kg	8, 393	0.350	1	7/ 4/99	22:04	M. Soodrich	8270C	7018
dophthalese	MD	11g/kg	8.393	0.330	1	77 4799	22: 84	M. Goodrich	8270C	7018
	HD	ng/kg	8,982	0.825	1	7/ 4/99	22: 84	M. Scodrich	8270C	7018
3-Mitrosmiline	HD	ng/kg	8. 782	0.325	1	77 4/99	22: 04	M. Goodrich	8270C	7018
4-Hitroamiline	ND.	Hq/kg	0. 782	8.825	1	7/ 4/99	22: 84	M. Goodrich	8270C	7813
iitrobeazeae	HD	ng/kg	0.393	0.930	1	77 4/99	22:04	M. Goodrich	8270C	7818
2-Hitrogheadl	HD	ng/kg	0.393	0.338	1.	7/ 4/99	22:04	M. Soodrich	8270C	7018
4-Witrophesel	MD	ng/kg	0.782	0.825	1	7/ 4/99	22: 64	M. Goodrich	3270C	7018
t-mitresodi-a-propylamine	HD	ng/ky	8.393	0.920	1	7/ 4/99	22:04	M. Spadrich	8278C	7618
f-mitrosodiphenglamine	HO	ng/kg	8.393	0.380	ī.	77 4/99	22:04	a. Soodrich	8278C	7018
lentauhlorophenol	110	ng/kg	0.982	0.825	ī	7/ 4/99	22:04	a. Goodrich	8270C	7018
henarthrene	MD	ng/kg	0.393	0.330	1	7/ 4/99	22: 84	A. Soodrich	8278C	7019
Menci	HE	सक्राहर्ष भक्ताहर्ष	8.393	0.330	1	7/ 4/99	22:84	M. Goodrich	8270C	7018
grene	HD	संबंध हार्	8.393	0.330	1	7/ 4/99	22:84	n. Soodrich	8278C	7018
)is(2-ethylbexyl)phthalate	HG:	ng/kg	0.393	0.330	1	7/ 4/99	22:04	M. Goodrich	8278C	7018
i,2,4-Trichlorobenzene	HD	Hyr Rg	0.393	8.938	1	7/ 4/99	22:84	n. Goodrich	6279C	7918
2,4,5-1/ichlorophenol	45 	ng/kg	9.982	0.825	1	7/ 4/99	22:04	a. Scodrich	8270C	7018
1,4,6-Toichlarophenol	#D	ng/kg	8, 393	0.330	1	7/ 4/99	22: 04	M. Goodrick	8270C	7018
WELATELE BREAKTION										
ede to se	HD	ng/kg	0.0074	0.0062	1	77 2/99	13:16	N. Hurt	8260B	5824
enzene	HD	ng/kg	0.0015	0.0012	1	7/ 2/99		A. Hurt	8260B	5824
Tonobenzame	MD	ng/ka	0.8015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260U	5824
Poncolloronethme	HD (IK	ng/ko	0.0015	9.0012	1	7/ 2/99	13:16	H. Hurt	8260B	5824
Promovova	ND	ng/kg	0.0015	0.0012	1	7/ 2/99	13:16	A. Hurt	82606	5824
ronometáane	HO	ng/ka	0.0015	9.9012	1	7/ 2/99	13:16	N. Hurt	8268B	5824
-Hutanone	ND	ng/kg	0.0074	0.0062	1	7/ 2/99	13:16	N. Hurt	9260I	5874
-Butylbeazeae	MD	ng/kg	0.0015	0.0012	1	7/ 2/99	13:16	N. Hurt	82600	5874
ec-Butylbenzene	HD	ng/kg	0.0015	0.0012	1	7/ 2/99	13:16	N. Hurt	6260B	5824
:=ButqLbeazeae	MB	ng/kg	0.0015	0.0012	1	7/ 2/99	13:16	H. Hurt	6260B	5824
arbon disulfide	ЖD	ng/kg	0.0015	0.0012	1		13:16	M. Hurt	8250E	5824
arbon tetrachloride	HD.	ng/kg	0.0015	0.0012	1	7/ 2/99	13:16	N. Hort	8260E	5824
hlornáenzene	HD.	ng/kg	9.8015	0.0012	1	7/ 2/99		N. Hurt	82608	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94978

Sample ID: SB-3

			Report	2019	Pil					
Raalghe	Result	Veits 	Limit	Limit	Factor	Date	Time	Analyst	Method 	Bate
Chloroethame	MD CK	на/ка	0.0015	0.0012	.	7/ 2/99	13:16	N. Hurt	8260B	5824
2-Chloroethylvinglether	MD	ng/kg	0.0015	0.0017	1	77 2799	13:16	N. Hurt	876010	5974
Chloroform	AD.	ng/kg	8,0815	0.0017	1	77 2/99	13:16	N. Hurt	82600	5874
Chloronstaane	HD	ng/kg	0.0015	0,0012	1	77 2799	13:16	N. Hurt	6260B	5824
2-Chlorotoloeme	AD.	ng/log	9,9915	0.0012	1	77 2799	19:16	X. Hort	8268B	5824
4-Chloratolvens	MD	ng/kg	0.0015	0.0012	1	77 2799	13:16	H. Hurt	876016	5874
1,2-Dibromo-3-obloropropame	900	ng/kg	0.0074	0.0062	1	77 2/99	13:16	N. Hurt	82608	5824
Uibromochloromethan e	ND	ng/kg	0.9015	0.0012	1	77 2799	13:16	H. Hurt	8280K	5824
i,2-Dibromoetbame	AD.	ng/kg	0.6015	0.6012	1	77 2/99	13:16	H. Hurt	82608	5824
Di bromonethane	MD	ng/kg	0.0015	0.6012	1	77 2799	13:16	M. Hurt	87800	5824
1,7-Dichlarobenzeme	HD	Hg/kg	0.0015	0.0012	1	77 2/99	13:16	N. Hurt	82600	5874
1,3-6:calorosenzene	WD CH	ng/kg	9.9915	6.0812	i	77 2/99	13:16	H. Hurt	62608	5824
l,4-0:chlorobenzene	HB	ng/kg	8.0015	0.0012	1.	77 2/99	13:16	A. Hurt	82608	5824
Dichlorodifluoromethame	MD	ng/ka	8,0015	0.0017	1	77 2799	13:16	H. Hurt	82600	5824
l,l-Dichlorcethame	U K	ng/kg	0.0015	0.0017	1	77 2/99	13:16	M. Hurt	8260B	5874
1,2-Dichlorosthame	XD	ng/kg	0.0015	0.0012	3	77 2799	13:36	M. Hurt	8750H	5824
L,1-0lobloroetheme	ИG	सप्रविद्य	0.9915	0.0012	1	77 2/99	13:16	N. Hurt	8260B	5824
cis-1,2-Dichloroethene	HD	ng/kg	0.0013	0.6017	1	77 2/99	13:18	M. Hurt	8250E	5874
enedicorcinology, i-amont	MD.	ng/kg	0.0015	0.0012	1	77 2/99	13:16	R. Hurt	8260K	5874
1,2-Dicaloropropase	ΜĎ	ng/kg	0.0015	0.0017	1	7/ 2/99	13:16	M. Hurt	8250E	5824
i,3-Dicaloropropame	HD	ห ร /%แ	0.0015	0.0012	ĵ.	77 2799	13: 1á	R. Hurt	82600	5824
2,2-Dichlerepresase	MD	ng/kg	0.3015	0.0012	1	77 2/99	13:16	M. Hurt	82600	5824
l,1-Dichloropropene	ND	ng/kg	0.0015	0.0012	1	77 2799	13:16	M. Hurt	82800	5824
us-1,3-Dichlaropropene	Series (Bar	ng/kg	9,0015	8.0012	1	77 2799	13:16	H. Hurt	82688	5824
trans-1,3-Dichloropropese	HU	ny/kg	0.8015	0.0012	1	77 2/99	13:16	H. Hurt	8260B	5824
Cthglbearene	MD.	ng/kg	0.0015	0.0012	1	77 2/99	13:16	R. Hurt	8260B	5824
desachlorobucadiene	HD	ng/kg	0.0015	9.0017	1	77 2/99	13:16	R. Hurt	8250K	5874
2-Hexagae	ND	ag/kg	0.0074	0.0062	1	77 2/99	13:16	N. Hurt	8260B	5824
Diopropyléenzene	ND	ag/kg	9,6015	0.0012	1	77 2/99	13:16	H. Hurt	8260B	5824
3-Isouropultoluene	KD.	ng/kg	0.0015	8.0812	1	77 2799	13:16	8. Hurt	87600	5824
i-Nethyl-2-pentanone	ND	ng/kg	8.0074	0.0057	1	77 2/99	13:16	R. Hurt	8250E	5874
Pethglene chloride	MD	ng/kg	0.0074	0.0052	1	77 2799	13:16	R. Hurt	87800	5874
Paphthalean	78	ng/kg	0.0015	0.0012	1	77 2799	13:16	N. Hurt	82600	5824
a-frenglaeszene	80	संप्रदेशिकु	0.0015	0.0012	1		13:16	N. Hurt	82600	5824
र्चा त्रभ ाव	HD	rig/kg	0.0013	0.0012	1	7/ 2/99		M. Hurt	82600	5824
ementsorolderestage [.i.i.	MD	लबु/देव	0.0015	0.0017	1	77 2/99	13:16	M. Hurt	82600	5874
1,1,2,2-Test moblernethame	HD	ng/kg	8,0015	8.0012	1	77 2799	13:16	N. Hurt	8260B	5824
Tehrachi aroshkene	HD	सबु/रिद्	0.0015	9,0012	1		13:16	X. Hort	82608	5824
Cloure	HD	ห <i>ฐ/</i> /kg	0.0015	0.0012	1	77 2/99		K. Hurt	8280K	5824
eneznedorolfoirT-E, C,	415	ng/kg	8.0015	0.0012	<u>1</u>		13:16	H. Hurt	8260B	5824
1,1,4-TrickLerobenzeme	NO	સંયુ/કહ્યુ	0.0015	0.0012	1		13:16	A. Hurt	8260B	5824
1,1 1 Trichlormethame	HD	ng/kg	0.0015	0.0017	1	77 2/99		H. Hurt	3260E	5874
i,1,2-Trichloraethane	XD	ng/kg	0.0015	9, 8612	1	77 2/99		N. Hurt	8260I	5824
Trichloroethese	КD	rig/kg	0.0015	0.0012	1	77 2/99		H. Hurt	82600	5824



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ANALYTICAL REPORT

Laboratory Number: 99-A94978

Sample ID: SB-3

Page 4

Result	Units	Report Limit	Auan Linit	Dil Factor	Date	Tine	Analyst	Nethod	Natch
HD	ng/kg	8.0015	0.0012	1	7/ 2/99	13:16	X. Hurt	8260R	5824
ND	ng/ka	0.0015	0.0012	1	77 2/99	13:16	M. Hurt	82608	5874
₩D	ng/kg	8.8915	0.0012	1	7/ 2/99	13:16	H. Hurt	82600	5824
HD	ng/kg	8. B015	8.0017	1	7/ 2/39	13:16	H. Hurt	82608	5824
нD	ag/kg	0.0015	0.0012	1	7/ 2/99	13:16	H. Hurt	825010	5874
ND	ng/icg	0.0015	0.0012	1	77 2/99	13:16	N. Hurt	82688	5824
AD	ng/kg	0.0015	0.0012	1	77 2/99	13:16	A. Hurt	82688	5824
TERSK									
34.	8			3.	77 2/99	17:18	Fitzwater	CLP	3153
	LERZX AD AD AD AD AD AD	HD ng/kg	HD Hg/kg 8.0815 HD Hg/kg 0.8013 HD Hg/kg 8.8015 HD Hg/kg 0.8015 HD Hg/kg 0.0815 HD Hg/kg 0.0815 HD Hg/kg 0.0015 HD Hg/kg 0.0015	Result Units Limit Limit	Result Units Limit Limit Factor	Result Units Limit Limit Factor Date	Result Units Limit Limit Factor Date Time	Result Units Limit Limit Factor Date Time Analyst	Result Units Limit Limit Factor Date Time Analyst Rethod

HD = Hot detected at the report limit.

Sample Extraction Data

	狀/Vol				
Paraneter	Extracted	Extract Vol	Date	Analyst	Hethod

RMA's	30.8 gn	1.0 ml	6/30/99	Fitzuater	3550
Valatile Arganics	I.O g	5.0 nl	8723799	R. Hort	5635

Surrogate	% Recovery	Target Range
- 1172 (174 - 164 to 16	per per lan lan per per per lan lan lan lan.	
curr-i,2-bichloroethame, d4	39.	48 160.
terr-Toluene dS	100.	79 119.
vurr-4-Gronofluorohemzene	90,	89 135.
SUPE-Dibronofluoromethams	81.	63 135.
turr-Microbenzene-45	47.	29 119.
surr-2-fluorobighengi	49.	18 110.
surr-Terphenyl did	64.	27 128.
wer-themi di	60.	<u> 18 111.</u>
surr-2-fluoroghenol	31.	10 107.
iorr-2,4,6-Tribrosophesol	69.	14 110.

All samples have been corrected for dry weight.



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ANALYTICAL REPORT

Laboratory Number: 99-A94978

Sample ID: SB-3

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Fh.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 84009



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ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424 TERESA BRAILSFORD 785A JOHNNIE DODDS BLDV 1T. PLEASANT, SC 27464

Project: 9459

Project Name: ERM Sampler: RDD TRUMAN Lab Number: 99-A94979

Sample ID: SB-4 Sample Type: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 12:15 Date Received: 6/26/99 Time Received: 9:00

5 - u 7 - 1 -			Report	asup	DII					
)aslyte	Result	Usits	Linit	Linit	Factor	Date	Tine	Analyst	Method	#atc
extroclable organicus										
keenaphthena	HD.	ng/kg	0.407	8,339	ž	77 4799	22:41	A. Goodrich	8278C	7018
icenzphihylene	H2	संबु/देश	0.407	9,990	1	77 4/99	22:41	A. Soodrich	8270C	7818
katar aceae	AD CHE	ngelog	9,407	0.330	7	77 4/99	22:41	n. Soodrich	8278C	7018
Benzo(a)asthracese	HD	ng/kg	0.407	9,990	1	7/ 4/99	22:41	M. Goodrich	8278C	7018
Benzo(a)pgrene	33	ng/kg	0.407	0.350	1	77 4/99	22:41	M. Goodrich	8270C	7018
Cenzo(b)fluorauthene	सुक्ष	ng/kg	9.497	0.350	1	7/ 4/99	22:41	M. Soodrich	8278C	7818
Cenzo(g,h 1)perglene	MD	ng/kg	0.407	8,330	1	7/ 4/99	22:41	M. Goodrich	8270C	7018
Senzo(k) Alectrativese	34 <u>5</u>)-	ng/ka	8,487	0, 330	1	77 4799	22: 41	M. Scodrick	3270C	7018
4-Bromophenulphenulather	8 8	ng/kg	9, 497	8,930	1	77 4/99	22: 41	M. Soodrich	8279C	7018
(uty)benzylphthalate	H1)	ng/kg	8, 467	0.330	1	77 4/99	22: 41	M. Goodrick	8270C	7018
Carbazole	ND	ng/kg	0.407	0.330	<u>1</u>	77 4/99	22: 41	M. Goodrich		7018
4-Chloro-)-methylphenol	40	ng/kg	9,407	8, 330	1	77 4799	22: 41	M. Soudrich		7018
4-Chlorosailine	11 0	ng/kg	9.407	0.330	ĩ	7/ 4/99	22: 41	M. Soodrich		7018
bis(2-Chloroethory)methame	HD	ng/kg	8, 407	0.330	1	77 4/99	22: 41	M. Scodrich		7018
bis(2-Uhlorcethyl)ether	AS:	ng/kg	9.497	9.830	1	7/ 4/99	22:41	M. Goodrich	8278C	7018
bis(2-Chloroisopropal)ether	HB	na/ka	8.407	8,330	1	7/ 4/99	22: 41	M. Goodrich	6270C	7018
2-Chloronaphthalane	HD	ng/log	8.487	0.330	1	77 4799	22: 41	M. Soodrich	8278C	7018
2-Chlorophenol	8 8	ng/kg	0.407	8.330	1	7/ 4/99	22: 41	a. Soodrich	8278E	7016
4-Chlorephenylphenylether	ЯD	ng/ka	0.407	8, 330	1	77 4/99	22: 41	M. Goodrich	8278C	7018
in envolopmengaphengarene. Connene	HD	ng/kg ng kg	0.407	0.330	1	7/ 4/99	22:41			
um garne Mibenzoferan	90 10		0. 407 0. 407	0.550 8.330	1		22: 41	M. Goodrich	8278C	7018
Vibenzova au Vibenz(),4) anthracene	HD HD	ng/kg	0.40 <i>1</i> 0.407	0.330 0.338	i	77 4799 77 4799		A. Soodrich	82700	7918
l,2-Dichlorobeazeae	av MD	ng/kg	0.407	0.330 0.330			22:41	M. Soodrich	8279E	7018
vionichodeniene ensimmentene	HD	ng/kg			3.	7/ 4/99	22: 41	M. Scodrich	8270C	7019
		udy,kó	0.407	8.330	1	77 4/99	22:41	M. Goodrich	8270C	7018
1,4-Vidálorobeazene	XD	ng/kg	0.407	8,339	Į.	7/ 4/99	22:41	a. Soodrich	8278C	7018
3.3'-Dioblorobenzidine	NO.	ng/kg	0.315	0.860	1	7/ 4/99	22: 41	M. Soodrich	82700	7018
2,4-Dichlorophenol	H()	ng/kg	0.407	0.330	1	77 4799	22: 41	M. Goodrich	8270C	7019
)iethylabthalate	80	ng/kg	8, 497	0.330	1	77 4799	22: 41	M. Seedrich	8270C	7019
1,4-SinetagLphenol	HD	ng/ky	9,407	0.330	1	77 4/99	22:41	M. Goodrich	82700	7018
)inethylphthalate	MD	ng/kg	0.407	0.330	1	77 4/99	72:41	M. Soodrich	3270C	7018
Di-m-butylphthalate	RD	ng∕kg	0.407	8, 338	1	7/ 4/99	22:41	n. Goodrich	8270C	7018
1,6-Dimitro-2-methylphenol	MD.	ng/kg	1.02	0.825	1	77 4/99	22: 41	M. Goodrich	3270C	7918
Lobestury land 19-1.	W.F	ng/kg	1.77	0.825	1	77 4799	22:41	M. Soodrich	8270C	7018
A-dimitrotologue	ak:	सवुर/हर्	0.407	0.330	1	77 4/99	22:41	M. Goodrich	8270C	7018
l,6-Dimitrotolveme	ЖB	ngvkg	8,407	0.330	1	7/ 4/99	22:41	N. Soodrich	8270C	7016



2960 Foster Creighton Dr. P. O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94979

Sample ID: 58-4

Saalyte	Result	Units	Report Linit	Quan Limit	Pil Factor	Date	Time	Analyst	Method	Batch
Di-a-octylphthalate	HO	ng/kg	8.487	0.350	1	7/ 4/99	22:41	ft. Goodrich	8278C	7018
Fluoranthene	HD	ng/kg	8.487	8, 338	1	77 4/99	22: 41	n. Goodrich	8270C	7018
Fluorene	3D	ng/kg	8.407	0.330	1	7/ 4/99	22: 41	M. Goodrich	8270C	7018
Hexachlorobenzene	ND	ng/ka	D. 407	0.330	1	77 4/99	22:41	M. Soodrich	8278C	7018
Hexachlarobutadlene	110	ng/kg	0.407	0.330	1	7/ 4/99	22:41	M. Goodrich	\$270C	7818
Hexachlorocyclopentadiene	MI	ng/ka	0.407	8.338	1	7/ 4/99	27: 41	n. Soodrich	8270C	7018
dexachlormethage	40	48/k4	0.407	0.390	1	77 4/99	22:41	N. Goodrich	8270C	7016
Endeno(1,2,3-od)pyrene	HD	ng/kg	0.407	0.350	1	77 4/99	22:41	M. Soodrich	827DC	7018
Esopharone	HD	ng/kg	0.407	0.330	1	7/ 4/99	22:41	M. Soodrich	8270C	7016
2-Methylnaphthalene	MD	ng/kg	0.487	8, 330	1	7/ 4/99	22: 41	n. Scodrich	8270C	7018
1-Nethylphenol	ND MD	ng/kg	8.407	8.338	1	7/ 4/99	22: 41	N. Goodrich	8270C	7018
a,p-Methylphenol	HD 115	ng/kg	0. 407	0.330	1	77 4/99	22: 41	M. Goodrich	8270C	7018
Kaphthalese	ND	ngi ng ngi kg	0.407	8.330	1	7/ 4/99	22:41	n. Soodrich	8270C	7018
2-Mitrosalliae	HD	nge ky	1.82	0.825	1	7/ 4/99	22: 41	R. Goodrick	8270C	7018
3-Witrosmilime	ND ND	ng/kg	1.02	0. 825	1	7/ 4/99	22: 41	n. Goodrich	8270C	7018
A-Mitrosa: Lige	HD	ng/kg ng/kg	1.02	8.825	1	7/ 4/99	22:41			
Aitrobeazeae	40 un		0.407	0.020 0.338		7/ 4/99	22:41	M. Soodrich	82788	7618
T-Hitropheacl	90 80	ng/kg		u. 550 0, 330	1	7/ 4/99	22: 41	N. Goodrich N. Goodrich	82700	7018
	ao ND	ng/kg	0.407 1.02	u, 220 8, 325	1				8270E	7018
4-Nitrophesol 4-Nitrophesol		ng/kg			1	7/ 4/99	22: 41	M. Goodrich	8270C	7013
K-mitrosodi-m-propylanine	MD MD	ng/kg	8.407	0.330	1	7/ 4/99	22: 41	M. Goodrich	8278C	7018
K-aitrosodipheadlamine	ND sus	ng/kg	9, 407	IJ. 550	1	7/ 4/99	22:41	ff. Soodrich	8270C	7018
Peatachloropheadl	86 30	ad/kd	1.02	0.825	1	7/ 4/99	22:41	M. Goodrich	8270C	7018
Phenacthrene Phenal	H0:	ug/kg	0,407	0.330	1	7/ 4/99	22: 41	n. Goodrich	8270C	7018
	MD	ng/kg	9, 487	8. 330	1	7/ 4/79	22: 41	n. Spedrich	8270C	7018
Pyrene Sincountry	HD	ngekg	0.407	0.330	1	7/ 4/99	22: 41	M. Spodrich	82786	7018
3is(Z-ethylhexyl)phthalate	HD No	ng/kg	8,487	8,930	1	7/ 4/99	22:41	M. Soodrich	8278C	7818
1.7,4-Trichlorobenzene	HO	ng/kg	0.407	8.338	1	7/ 4/99	22:41	N. Goodrich	8270C	7018
1.4.5-Frichlorophenol	ND No	ng/kg	1.82	8, 825	<u>q</u>	7/ 4/99	22:41	M. Goodrich	8270C	7013
1,4,6-Triuhlarophenol	ND	ng/kg	9.487	0.998	Ţ	7/ 4/99	22:41	M. Soodrich	8270C	7018
ANDTELLITE DESUNICZA										
Harofesh	HD	₽₫\ĶĠ	0.0060	0.0065	1	6/27/33	20:45	H. Hurt	8260H	5874
Senzean	90	ng/kg	0.0018	0.6015	1	6/27/99	29:45	A. Hurt	8248B	5824
(Tonobenzeae	HO	ng/kg	0.0018	0.8013	1	6/27/99	20:45	M. Hurt	8260E	5824
Bromochloromethame	HD	ngiky	0.0016	8.0013	1	6/27/99	20:45	M. Hurt	82800	5824
Bronefazn	HT:	нд/ку	0.0016	0.001.3	1	6/27/99	20: 45	N. Hurt	8260B	5824
Uronomethane	拼動	ng/kg	0.0015	0.0013	3	6/27/79	28: 45	R. Hurt	8240H	5824
2-Mutanone	HD	ng/kg	0.0080	9.0065	1	6/27/99	20:45	H. Hurt	82600	5824
a-ontglaemzeme	80	ngAcq	0.0016	0.0013	1	6/27/99	28: 45	A. Hurt	82688	5824
seo-But jibeazewe	सङ	ng/kg	0.0015	0.0018	1	6/27/99	20:45	N. Hurt	82608	5824
t-Mutalberzene	MD	ng/kg	0.0016	0.0013	1	8/27/99	20:45	H. Hurt	8260E	5874
Carboa Hisulfide	HT.	सब्द्री(वृ	0.0015	0.0013	1	6/27/99	20:45	A. Hurt	82600	5824
Carbon tatrachlorida	AD.	ng/kg	9.001.6	0.0013	1	6127199	20:45	a. Hurt	82688	5824
Chlorobeazene	nd	ng/kg	0.0015	0.0013	1	6/27/99	20:45	A. Hurt	82608	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94979

Sample ID: 5B-4

Analika	Result	Units	Report Limit	ROAR Linit	9/1 Factor	Date	Tine	Analyst	Method	Bate
						*****			112 713 71	
Chloroethans	HB	ng/kg	0.0016	0.0013	1	6/27/99	20: 45	X. Hurt	82608	5824
Z-Chloroethylvinylether	HD	ng/kg	8.0016	8,0013	3	8/27/99	20:45	M. Hurt	8285H	5874
Chloroform	ФK	អច្ចរៈវិស្ស	0.0016	0.0013	1	8/27/99	20:45	M. Hurt	82500	3874
Gilorometicane	йŪ	ng/kg	0.0016	0.0013	1	6/27/99	20:45	N. Hurt	62608	5824
Z-Chlorstolcese	HD	Hg/kg	0.0018	0.0013	<u> </u>	6/27/99	Z0: 45	M. Hort	8280R	5874
4-Chlorotoluese	MD	Hg/kg	0.0016	0.0013	1	8/27/99	20:45	M. Hurt	8260H	5874
1,2-Dibrono-i-chloropropane	취용	ng/log	0.0060	0.0065	1	6/27/99	20:45	a. Hurt	6260B	5824
Dibromochloromethane	#13	ng/kg	0.0015	0.0019	1	6/27/99	29:45	H. Hurt	82688	5824
1,2-Dibromosthame	HD	Hg/kg	0.0015	0.0013	1	8/27/99	20:45	H. Hurt	3260E	5874
Olbroweethame	ND	Hg/kg	0.0016	0.0013	1	6/27/99	20: 45	8. Hurt	8260R	5874
1,2-Dichlerobenzene	HD	ng/kg	0.5018	0.0013	1	6/27/99	20:45	H. Hurt	8260B	5824
1,9-0ichlurchenzene	ND	ng/kg	0.0016	0.0013	1	6/27/79	20: 45	N. Hurt	82608	5824
1,4-Dichlursbeszene	XD	ng/kg	0.0016	0.0013	1	6/27/99	20: 45	M. Hurt	8260B	5824
Dichlorodiflooromethane	报	ng/kg	0.0016	0.0019	1	6/27/99	28: 45	N. Hurt	82600	5824
l.1-0:chiuroethane	HD	ngeka	0.0016	0.0013	1	6/27/99	20:45	N. Hurt	8260B	5824
1,2-Vishlarosthane	HD	ng/kg	0.0614	0.0013	1	6/27/99	28: 45	H. Hort	8260B	5824
i_1-Dichlerostheme	HD	सब्∕ kg	0.0014	0.0013	1	6/27/99	20:45	H. Hort	6260B	5824
sis-1,2-Ducklaresthere	MD CH	ng/kg	8.0015	0.0013	1	8/27/99	20: 45	M. Hurt	8260U	5874
kraas-1,2-0iuhioroetheae	ND	सब्देशिय	0.0016	0.0013	1	6/27/99	20: 45	H. Hurt	8260B	5824
L,2-0 contaropropane	H9	H84,604	0.0016	0.0013	1	6/27/99	28: 45	it. Hurt	8260B	5824
l,3-Dicalercoropane	MD.	ngrkg	8.8014	0.0013	1	6/27/99	20:45	R. Hurt	82500	5824
7,7-Dichlerepropane	MD	ng/ka	0.0013	0.0013	1	8/27/99	20: 45	R. Hort	8260K	5824
1,1-Dicklerepropess	HD	ng/kg	0.0018	0.0013	3	6/27/99	20: 45	8. Hurt	8260K	5824
cis-1,3-Dichlorogregene	HD We	ngrky ngrky	0.0016	0.0013	1	6/27/99	20: 45			
crans-1,3-Sichloropropens	HD W		0.0016	0.0013	1				8260B	5824
thalbearese	MD MD	на/ка	0.0013	0.0013		6/27/99	20:45	M. Hurt	82608	5824
dexachlorobotadiene	46 ee	ng/kg	0.0013	0.0013	1	6/27/99	20: 45 20: 45	N. Hurt	8260K	5824
i-desenone	40 m	ng/kg			1	6/27/99		H. Hurt	8268B	5824
		ag/ka	0.0030	0.0865	1	6/27/99	20: 45	H. Hurt	8280K	5824
Isopropulbencede 2-Tenaman Ataliana	nd No	ng/kg	0.0014	0.0013	<u> </u>	6/27/99	28: 45	M. Hurt	87600	5874
HIsograpyltalsene Mitethyl-lipentanone	40 40	ng/log	6.0015 0.0006	0.0013	1	6/27/99	20: 45 20: 45	H. Hurt	8260B	5824
tethulese obloride	#D ex	संबुर्रश्रेष्ठ		0.0065	1	6/27/99		H. Hurt	82688	5824
-		ng/kg	0.8800	0.0065	3	6/27/99	28: 45	M. Hurt	82600	5874
daphthalene	ND	ng/kg	0.0914	0.0013	1	8/27/99	20: 45	8. Hurt	87600	5824
a-Propylbeazene Communa	ND an	ng/kg	8, 981á	0.0013	1	6/27/99	20:45	M. Hurt	82800	5824
Carene	40 40	ng/log	9.0016	0.0013	7.	6/27/99	20:45	M. Hurt	8268B	5824
.i.i.2-Tetrochiuroethane	MC MC	संबंद हिंचु	9.001.6	0.0013	1	6/27/99	20:45	H. Hurt	82608	5824
.,1,2,2-Tetrachloroethane	#\$ a anen	संबुर्गात्त्र	0.0016	0.0013	1	6/27/99	20:45	N. Hort	82688	5824
etrachtoreethens	9,9948	ngekg	9,0015	0.0013	1	6/27/99	28:45	X. Hurt	82688	5824
olseas	30	ng/kg	0.0016	0.6919	1	6/27/99	20:45	N. Hurt	82608	5824
.,2,3-Trichlorobenzene	ND AB	ng/kg	9.0015	0.0013	1	6/27/99	20:45	A. Hurt	82608	5824
.,2,5-Trichlorobenzene	EK CEK	ng/kg	0.0016	0.0013	1	6/27/99	20:45	8. Hurt	8250E	5824
1.1-Trichlorosthoms	KD	ng/kg	0.0016	0.0013	1	6/27/99	20: 45	H. Hurt	8760N	5824
.1.2-Trichlordethane	MD	ng/kg	0.0014	0.0013	1	6/27/99	20:45	A. Hurt	82608	5824
richioroethene	0.0016	ng/kg	0.0016	0.0013	1	6/27/77	20:45	X. Hurt	82600	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94979

Sample ID: 58-4

Page 4

A	7. 10	*4= 1 * .	Report	พียลล -	Dil					
Analyte	Result	Units	Linit	Limit	Factor	Date	Time	Analyst	Method	Batch
1 7 2-Tuidhleannanna	HD	and Stee	0.0016	0.0013	1	6/27/99	20 de	56 Store	02/00	FOOK
1,2,3-Trichloropropage	ND NB	ng/kg			1	*** = * * * * *	20:45	H. Hort	8260B	5824
1,2,4-Trimethylbenzene		ng/kg	0.0018	0.0013	1	6/27/99	20: 45	X. Hurt	82608	5824
1,3,5-Trimethylbenzene	HD	нд/ка	0.0016	9.0013	1	6/27/99	28:45	A. Hurt	8260B	5824
Vingl chloride	HD	सब्/रेख	8.0016	0.0013	1	6/27/99	29:45	N. Hurt	6260B	5824
Xqlenes	MB.	ng/kg	0.0014	0.0013	1	6/27/99	28: 45	N. Hurt	82688	5824
Bronedichleronethane	HD	सबुरीरबु	0.0016	0.0013	1	6/27/99	28:45	N. Hurt	82608	5824
Trichlorofluoromethame	AB.	ng/kg	0.0016	0.0013	1	6/27/99	20:45	A. Hurt	82600	5824
*GENERAL CHEMICIRY PARAMET	ERS#									
X Dry Weight	M.	Х			1	7/ 1/99	11:19	Fitzuater	CLP	3154

HD = Hot detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Vate	Analyst	Method
CMn's	30.0 gm	1.0 nl	\$/30/99	Fitzuater	3550
Volatile Organics	7.7 g	5.8 nl	\$/23/99	K. Hurt	5035

Surroyate	% Recovery	Target Raage
7-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		***********
surr-1,2-Dichlorsethame, 34	171.	48 160.
surr-laisene de	76.	79 117.
SUPP-4-Bronofluorobeazene	26.	69 135.
surr-Gibromofluoromethase	169.	63. ~ 135.
Surr-MiCrohenzene-45	52.	<u> 20 118</u>
surr-2-fluorobiphengl	55.	18 119.
surr-Terphengl did	88.	27 128.
SUFF-Phemil 45	67	<u> 10 111.</u>
amr-2-Fluorophenol	34.	18 187.
Sorr-1,4,6-Tribromophemoi	73.	14 110.

all samples have been corrected for dry weight.



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94979

Sample ID: SB-4

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johany A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424 TERESA BRAILSFORD

785A JOHNNIE DODDS BLDV Mr. PLEASANT, SC 27464

Project 9489

Project Name: ERM Sampler: ROD TRUMAN Lab Number: 99-A94980

Sample ID: SB-5 Sample Type: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 13:20 Date Received: 6/26/99

Time Received: 9:00

			Report	สีบอก	Dil					
Analyte	Result	Units	Linit	Limit	Factor	Date	Tine	Analyst	Nethod	[late
MEXITAGIABLE DREANICSM	41P.		o state	0.770	4	71 4/00	23.40	M Calletak	22700	7010
Agenaphthene	AD.	ng/kg	0.402	0.330	1	7/ 4/99	23:19	M. Goodrich		7018
Poensphinglene	11 82	нд/юз	0.402	0.330	ī	7/ 4/99	23:19	M. Soodrich		7018
Hathracase	HD.	ng/kg	0.402	0.930	1	7/ 4/99	25:17	N. Soodrich		7018
Denzo(a) anthracene	HP	ng/kg	0.402	0.390	1	7/ 4/99	23:19	N. Spodrich		701.8
Genzelakogrene	HD	ng/kg	0.402	0.990	1	77 4/99	23:17	n. Condrich		7018
Renzolb) fluoranthene	B	ng/kg	8,407	0.330	ī	77 4799	23: 17	n. Soodrich	82700	7018
Newsoff'y' 'Sherifere	MD	ng/kg	0.402	0.330	1	77 4/99	23: 19	H. Goodrich	8276C	7018
Benzo(k)fluorantheme	40	सक्षाहरू	0.402	Ø.990	1	7/ 4/99	23:19	a. Soodrich	8279C	7018
1-bromoshenulphenulether	KD	ng/kg	0.402	8, 338	1	77 4/99	23:19	n. Goodrick	3270C	7018
Mutylhenrylphthalate	HD	ng/kg	8,402	0.330	3,	77 4/99	23: 19	n. Goodrich	8270C	7018
Carbazola	HD	ng/kg	8, 402	0.330	1	7/ 4/99	23: 17	ff. Goodrich	8278C	7018
4-Chloro-3-methylphenol	HD	ng/kg	0.407	0.330	1	7/ 4/99	23:17	M. Goodrick	8270C	7018
d-Chlorosniline	HD.	मध्/स्य	0.402	8,330	1	77 4/99	23:19	n. Geodrich	3270C	7010
hisf1-Chloropthoxy)methane	HD	ng/kg	0.402	8, 338	1	77 4799	23:17	M. Goodrich	8270C	7018
bis(2-Chloroethul)ether	MD	Hq/kq	8,402	0.330	1	7/ 4/99	73:17	M. Goodrich	8270C	7018
9is(2-Chloroisapropul)ether	H0	ng/kg	0.402	8,938	1	77 4/99	23:19	A. Goodrich	8278C	7018
2-Chloronaphthalege	35	ng/log	8.402	8.338	1	7/ 4/99	23:19	n. Soodrich	8278C	7018
2-CM orophenol	XD	ng/kg	0.402	0, 330	1	7/ 4/99	23: 19	M. Soodrich	3279C	7018
4-Chlorophenglahenglether	発力	ng/kg	0.402	0.330	1	7/ 4/99	23: 19	N. Goodrich	8270C	7018
Carusene	MD.	ng/kg	0.402	0.980	1	77 4/99	23:19	N. Spodrich	82780	7018
Dibenzafuras	HD.	Hg/kg	0.402	0, 330	1	77 4/99	23: 17	R. Goodrich	8270C	7019
Dibenzia, Wanthracene	WD.	ng/kg	8,402	0.930	1	7/ 4/99	23:19	N. Soodrich	8278C	7018
1,2-0:chiorobenzene	HD	ng/kg	0.402	0.330	1	77 4/99	23:19	N. Soodrich	8278C	7018
1,3-Dicalorobeazeae	HD	ng/kg	0.407	0.330	1	77 4/99	23: 17	M. Goodrich	3270C	7018
1 4-Croalurobeazeae	SK GK	ng/kg	0.402	0.330	1.	7/ 4/99	23:19	n. Soodrich	8278C	7018
1,3'-Sichlorobenzidine	AD.	ng/kg	0.805	0.660	1	7/ 4/77	23:19	n. Soodrich	8270C	7018
7,4-Dicklorophesol	ND We	ng/kg	9. 402	0.330	1	7/ 4/99	23: 17	n. soodrich	8270C	7018
Diethylphthalate	ND NO		0.402 0.402	0.330	1	7/ 4/99	23: 19	M. Goodrich	8278C	7018
		ng/kg	0.402	0.330	1	7/ 4/33	23: 17	n. Goodrich	8270C	7018
2.4-Dimethylphenol	HD	ng/kg							8278C	7018
Olmethglphthalate	HD:	ng/kg	0.402	9,330	1	7/ 4/99	23:19	M. Soodrich		
Mi-m-budyiphthalute	HD CH	ng/kg	0.407	8.330	1	7/ 4/99	23: 19	M. Goodrich	8270C	7018
4.6-Dimitro-2-Wethglphenol	MD	rig/kg	1.01	8.825	1	7/ 4/77	23: 17	M. Goodrich	8270C	7018
I,4-Ciaitrophenol	HD	संबुद्धान	1.01	0,825	1	7/ 4/77	23:19	M. Goodrich	8279C	7018
2,4-écultratalmene	HP	ng/koj	0.402	0.330	1	77 4/99	23: 17	N. Goodrich	6270C	7018
2,6-Dimitrotulueme	70	ng/kg	8,482	0.350	1	77 4799	25:19	n. Soodrich	8278C	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94980

Sample ID: SB-5

See Suba	Manager &	15-15-	Report	Quan	Dil	8-1	Ŧ.	A. V.		
Analyte	Result	Units	Linit	Limit	Factor	Date	Tine	Analyst	Method	Batc
li-a-ontylphthalate	HP	ng/kg	0.402	0.330	1	7/ 4/99	23:19	N. Goodrich	8270C	7018
fluoranthene	HĐ	ng/ka	8.482	0.330	1	77 4/99	23:17	M. Goodrich	8270C	7018
Fluorene	HD	на/ка	8.482	8, 338	1	7/ 4/99	23:19	ñ. €oodrich	8270C	7018
Hexachlorobeazens	MD	ng/kg	8.482	0.330	1	7/ 4/99	23: 19	M. Goodrich	8278C	7018
Hexachlorobutadiene	48	सब्र/१८व	0.402	8.330	1	7/ 4/99	23:19	fi. Soodrich	82780	7816
Mexachlorocyclopentadiene	HD	ng/kg	8, 407	8. 330	1	77 4/99	23: 19	N. Soodrich	8278C	7013
Herachloroethase	HD	ng/kg	0.402	0.330	1	77 4/99	23:17	M. Goodrick	8278C	7818
Indenu(1,2,3-od)pyrene	HD:	ng/kg	0.402	0.930	1	77 4/99	23:19	M. Soodrich	8278E	7018
Liapharone	HD	ngekg	0.402	8.398	1	77 4/99	25:17	a. Goodrich	8278C	7916
I-Methylaaphthalene	HD	ng/kg	8, 467	9, 330	1	77 4/99	73:19	M. Soodrich	8276C	7018
Z-Methyiphenol	#D	ng/kq	8.482	0.330	1	77 4/99	23:17	n. Soodrich	8270C	7018
n,p-Methglabenol	HD	ng/kg	8.402	0.990	1	7/ 4/99	23:19	n. Soodrich	8278C	7018
Raphthalene	HD	ng/kg	0.402	0.330	1	7/ 4/99	23:19	M. Soodrich	8278C	7918
2-Witropailias	HD	ng/kg	1.01	8.825	1	7/ 4/99	23:19	M. Goodrich	8278C	7018
3-Bitrosmiline	MO	Hg/kg	1.01	8,825	1	7/ 4/99	23: 19	M. Goodrich	8270C	7018
4-Witroamiliae	HV	ng/kg	1.01	8.825	1	7/ 4/99	23:19	M. Goodrich	8270C	7818
Ritrobeszene	100	ng/kg	0.402	0.020	1	7/ 4/99	29:19	n. Goodrich	8270C	7016
2-Mitrophenni	HI)	ng/ka	B. 402	0.338	1	77 4/99	23:17	n. soonrick		
d-Mitropaeacl	MD	ng/ko ngray	1.81	9. 336 9. 825		7/ 4/99	23: 17		8270C	7013
a-nitrosadi-a-propylamine	46 m	- "		0. 023 8. 330	3			n. Soodrich	82780	7018
		ng/kg	0.402		1	7/ 4/99	23:19	n. Soodrich	8278C	7018
d-mitrosodiphenglamine	HD Mar	ng/kg	0.402	0.330	į.	7/ 4/99	29:19	M. Soodrich	8270C	7016
Pentachlorophenoi	HD:	ng/kg	1.01	8,825	1	7/ 4/99	23:19	M. Goodrich	8270C	7018
Phenanthrene	110	ng/kg	0.402	0.330	1	7/ 4/99	23:19	ff. Goodrich	8270C	7018
Phenol	88	ng/kg	8,402	8.330	1	7/ 4/99	23:19	M. Goodrich	8278C	7018
Aurese.	HD	संबु/स्त्रु	0.402	0.350	1	7/ 4/99	23:19	N. Soode ich	8279C	7018
dis(2-ethylhexyl)phthalate	#0	मञ्जूर हेर्	8,482	8.988	1	7./ 4/99	23:19	M. Goodrich	8278E	7018
1.2,4-Trichlorobensene	MD	ndkā	8, 402	0. 330	1	77 4799	23: 19	M. Soodrich	8270C	7018
2,4,5-Trichlarophenol	MD	Hôy: à	1.01	8, 825	.1	77 4/99	23:17	N. Goodrich	8270C	7018
2,4,5-frichlorophenol	% D	ng/kg	8, 492	0.330	1	77 4/99	23:19	M. Goodrich	8270C	7016
MURLATILE OFFICER										
Rankane	HP.	ng/kg	0.0076	0.0962	1	6/27/99	21:19	H. Hurt	82608	5824
Senzene	ND	ng/kg	0.0015	0.0012	1	8/27/99	21:17	H. Hurt	8280B	5874
Wonodeniese	XD	ng/kg	8,8015	0.0012	1	6/27/99	21:19	H. Hurt	8280R	5824
Promochleromethame	HD	ng/kg	0.0015	0.0012	1	8/27/99	21:19	M. Hurt	826BK	5824
Grono Form	HD	налка	0.0015	8,0012	1	6/27/99	21:13	X. Hort	8260E	5824
Spontage	ND	na/ka	0.0015	0.0012	1	8/27/99	23:19	H. Hurt	3280E	5874
2-Butanone	HD	ng/kg	0.0076	0.0082	1	8/27/99	21:19	K. Hurt	326BB	5874
n-Butalbearene	HP 41K	ng/kg	0.0015	0.0017	1	6/27/99	21: 17	R. Hurt	8260E	5874
ses-Butylbenzem e	SK SK	ng/kg	9,0015	0.0012	1	6/27/99	21:19	H. Hurt	82600	5824
t-Butqlbeazeae	AB.	ng/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
imbon disulfide	8.0155	ng/kg	0.0015	8,0812	1	6/27/99	21:19	M. Hurt	8260D	5824
Carbon betrachloride	HD	सव्/सव्	0.0015	0.0012	1	6/27/99	21:19	A. Hurt	8260B	5824
Calor obenzene	98	ng/kg	9.8015	0.8012	1	6/27/99	21:19	N. Hurt	8268B	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94980

Sample ID: SB-5

			Report	avan	DH					
Analyte	Result	Units 	Linit	Limit	Factor	Date	Time	Analyst	Method	Nate
Caloroethane	% 5	ng/kg	0.0013	0.0012	1	6/27/99	21:19	H. Hurt	82688	5824
2-Chloroethulvinmlether	HD	अष्∕ ≹ख्	0.0015	0.0012	1	8/27/39	21:19	M. Hurt	3260E	5824
Caloroforn	AD OR	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
Chloromethane	ND	ng/kg	0.0015	0.0012	1	8/27/9 9	21:19	K. Hurt	8280U	5824
2-Chlorotoluene	ሃው	ng/kg	0.0015	0.0012	1	8/27/99	21:19	M. Hurt	8750U	5874
1-Chlorotoluene	HE	ngékg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
1,2-Bibromo-3-chloropropame	HD	ng/kg	0.0074	0.9062	1	6/27/99	21:19	A. Hurt	8260B	5824
Mibromocaloromethame	HD	संबुर/दिव	0.0015	0.0012	1	6/27/99	21:19	X. Hurt	82600	5824
1,2-Dibromosthame	HD	ng/kg	0.0015	0.0012	1	6/27/99	23: 3.9	M. Hurt	82600	5824
Dibromomethame	HD	ng/kg	0.0015	0.0012	1	8/27/99	21:19	H. Hurt	8260K	5824
l,2-Dichlorobenzene	ND	หลุ/หิล	0.0015	8.0012	1	8/27/99	71:19	H. Hurt	876010	5874
1,3-Dicklorobenzeme	WB	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
i,4-Dicalorobeazeae	HD QK	ng/kg	0.0015	0.0012	1	6/27/99	21:19	W. Hurt	6260B	5824
Dichlorodifluoromethame	MD	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8250I	5874
i,i-Dichleroethame	HO	ng/kg	0.0015	0.0012	1	6/27/99	21:19	H. Hurt	8260B	5824
1,2-Dichloroethame	HD	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	82608	5824
.1-Dichlorosthese	ИD	ng/kg	3, 6615	0.0017	î	6/27/99	21:19	H. Hurt	82600	5874
sis-1,2-Dichlorostheme	ND.	ng/kg	0.0815	0.0017	1	6/27/39	21:19	H. Hurt	8760N	5824
rens-1,2-Dichlorostheme	HO	ng/kg	0.6015	0.0012	1	6/27/99	21:19	H. Hort	82688	5824
L,2-Dichloropropane	HD	ngekg	0.0015	8.9812	1	6/27/99	21:19	N. Hurt	8268B	5824
1,3-Dichlerepropase	AD GK	ny/kg	0.0015	0.0012	1	8/27/39	21:17	N. Hurt	82880	5824
2.2-Dichleropropane	35 5	ng/kg	0.0015	8.0012	1	8/27/99	21:19	M. Hurt	826010	5824
l.1-Diobloropropene	MD	ng/kg	0.0015	0.0012	1	8/27/39	21:19	R. Hurt	8260B	5824
tis-1.3-Dichloropropene	4D	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	82608	5824
trans-1,3-Dichloroprosese	ЖD	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	82600	5824
Ethylbenzene	SD.	ng/kg	0.0015	0.0012	1	6/27/99	21:17	M. Hurt	82600	5824
dexachleroputadiene	}} [)	ng/kg	0.0015	0.0012	1	6/27/99	21:19	X. Hurt	8260K	5824
2-Нехавове	NB	ng/kg	0.0078	0.0862	1	6/27/99	21:19	N. Hurt	82608	5824
 Sopropulleszone	80	ng/kg	8.0015	0.0012	i	6/27/99	21:19	B. Hurt	87600	5824
4-Isepropyltaluene	ND:	ng/kg	0.0015	0.0012	1	6/27/99	21:17	N. Hurt	82608	5824
i-Methqi-I-pentamone	HB	ng/kg	0.0076	0.0062	1	6/27/99	21:19	N. Hurt	82608	5824
bethylene chlorida	HD	ng/ka	0.0076	0.0062	1	6/27/99	21:19	A. Hurt	82608	5824
faphthaise	ME	ng/kg	0.0015	9.6012	7.	6/27/99	21:17	N. Hurt	8260B	5824
a-Progylbeszene	ND	ng/kg	0,0015	9.0012	1	8/27/99	71:13	M. Hurt	8260K	5824
Storese	MD	₩ 9 /%g	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260R	5824
L,1,1,2-Tetrachlorosthams	พอ	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
L.1,2,2-Tetrachloroethane	HE	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
strachloroethene	MD	ng/kg	0.0015	0.0012	1	6/27/99	21: 19	H. Hurt	8260E	5824
sluese	HD	ng/kg	0.0015	0.0017	1	6/27/99	21:19	M. Hurt	8260B	5874
L,Z,R-TrichLorobenzene	HD.	ng/kg	0.0015	0.8012	1	6/27/99	21:19	H. Hurt	8260B	5824
i,2,4-Trichlorobenzene	NO NO	tide vid	0.0015	8.0012	1	6/27/99	21:19	H. Hurt	82608	5824
L,1,1-Trichloroethane	ND ND	સહેર્યાલ્ટ્રે સહેર્યાલ્ટ્રે	0.0015	0.0012	1	6/27/99	21:17	A. Hurt	8260B	5824
1,1,2-Trichloroethane	HD 	ng/kg	0.0015	8.0812	1	6/27/99	21:17	A. Hurt	8268B	5824
richloraethene	ND GK	nd/kd udved	0.0015	0.0012	1	6/27/99	21:19	R. Hurt	8260B	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A94980

Sample ID: SB-5

Page 4

			Report	Ruan	Dil					
Analute	Result	Units	Linit	Linit	Factor	Date	Time	Analyst	Method	Batch
	*****			-						
1,2,3-Trichloropropame	HD	ng/kg	0.0015	0.0012	1	\$/27/99	21:19	N. Hurt	3260E	5824
1,7,4-Trinethyldenzene	MD	ng/kg	0.0015	0.0012	1	8/27/99	21:19	M. Hurt	82500	5824
1,3,5-Trimethglbenzene	HD	ng/kg	0.0015	0.0012	1	6/27/99	21:17	N. Hurt	82688	5824
Vinyl chloride	11 0	ng/kg	8,0015	8.0812	1	8/27/99	21:19	N. Hurt	82600	5824
Xalenes	HD	ng/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	82600	5824
Gromo dichloromethame	HD.	ng/kg	0.0015	0.8012	1	6/27/99	21:19	N. Hort	82600	5824
Tricklorofluoromethase	AD	нд/Ка	0.0015	0.9817	1	6/27/99	21:19	M. Hurt	8260E	5824
*GENERAL CHEMISTRY PARAMET	ersh									
X Dry Neight	32.	7.			1	77 1/99	11:19	Fitzuater	CLP	3154

AD = Hot detected at the report limit.

Sample Extraction Data

	Ht/Wel				
Parameter	Extracted	Extract Vol	Date	Analyst	Hethod

19/A's	30,0 gH	1.8 al	6/30/99	Fitzwater	3550
Wolatile Organics	8.O g	5.0 ml	8/23/99	X. Hurt	5035

Surrogate	% Recovery	Target Range
10 pt	of the sale of the set and the sale inc.	and the routest married can represent the help
Surr-1,1-Dichlorosthame, 44	127.	48 188.
serr-Toluene dB	90.	79 119.
curr-4-Uromofluorobenzese	86.	89 135.
surr-bibrenoflooromethame	112.	63 135.
serr-Altrobenzame-45	72.	28 119.
surr-2-Fluorobiphenyl	74.	18 110.
surr-Terphenyl d14	183.	27 128.
serr-Phenol 45	92.	10 111.
surr-Z-Fluorophemol	48.	19 187.
surr-2,4,6-Tribromophemol	94.	14 118.

All samples have been ourrested for dry weight.

2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94980

Sample ID: SB-5

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
PSSA JOHNNIE DODDS BLDV
1T. PLEASANT, SC 29464

Project: 7487

Project Name: ERM Sampler: RDD TRUMAN Lab Number: 99-A94981

Sample ID: SB-6 Sample Type: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 14:45 Date Received: 6/26/99 Time Received: 9:00

Rhalgte	Result	Units	Linit	11417	P1	D. 4-				
ad hap dan dan derine. All om indigen het der inn dad von samuel skripen som hat med hap hap			Linit	Linit	Factor	Date	9n1T	Analyst	Method	Kato
CATRACTABLE URGANICSA										
*EXTRACTABLE UNGANICS#										
keenaghi bene	被数	ng/kg	0.371	0.330	1	77 4/99	23:57	M. Soodrich	6278C	7018
koonaphihylene	報路	ng/kg	0.971	0.330	1	77 4/99	23:57	M. Goodrich	8270C	7018
Gathracea c	HP.	ng/kg	0.371	8.998	1	77 9799	23: 57	A. Soodrich	8278C	7618
Denzo(a)anthracese	HB	ng/kg	0.371	8, 330	1.	7/ 4/99	23:57	N. Goodrich	8270C	7018
(enzo(a) pyrene	MD	13g/kg	8.371	8, 336	1	77 4799	23:57	M. Goodrich	8278C	7018
Denzo(b)fluorauthene	HS	ng/lot	0.371	0.830	1.	7/ 4/99	23:57	N. Soodrich	8278C	7018
Genzo(q,à,i)perglese	HD	ng/kg	0.371	0, 330	1	7/ 4/99	23:57	M. Goodrich	8270C	7018
Reazo(k) fluoranthese	HD	ng/kg	8.371	0.330	1	7/ 4/99	23: 57	M. Soodrich	8270C	7018
3-Kronopheaulpheaulether	HD	hq/kq	0.371	0.330	1	77 4/99	23:57	M. Soodrich	3278C	7018
Dutqlbenzgiphthalate	28	ng/kg	0.371	9, 336	1	77 4/99	23:57	M. Goodrich	8278C	7918
larbazola	HD	ng/kg	3.371	0.330	1	7/ 4/99	23:57	M. Goodrich	8278C	7018
4-Chloro-3-wethwlphenol	HD	ng/kg	8.371	0, 338	1	77 4/99	23:57	M. Goodrich	3278C	7018
-Chlorogailine	MD.	ng/kg	0.371	0.330	1	7/ 4/99	23:57	M. Goodrich	8270C	7018
bis(2-Calerosthexy)methame	HS	ngeks	0.371	8, 330	1	7/ 4/99	23:57	N. Goodrich	8270C	7818
wis(2-Chlorosthul)ether	HD	на/же	8.371	0.330	1	7/ 4/99	23: 57	M. Goodrich	827BC	7018
dis(2-Chloroisopropyl)ether	MD)	Hg/kg	8.371	0, 330	1	7/ 4/99	23: 57	M. Soodrich	8270C	7018
:-Calorensphthalene	HD	ng/kg	8.371	0.330	1	7/ 4/99	23: 57	M. Soodrich	8270C	7018
:-Chlarophenol	HD.	ng/kg	8.371	8.330	1	77 4/99	23: 57	M. Goodrich	8278C	7018
-Chloropheaglpheaglether	MD	ng/kg	8.371	0.990	1	7/ 4/99	23:57	M. Soodrich	8278E	7918
larysone	A&	ng/kg	6. 371	8, 330	1	7/ 4/99	29:57	M. Soodrich	8279E	7918
libenzofuran	ND	ng/kg	8.371	0.330	1	7/ 4/99	23:57	M. Goodrick	8270C	7018
liberz(a.a)anthracese	MD	ng/kg	0.371	0.330	1	7/ 4/99	23:57	M. Sondrich	8270C	7018
L.2-0 chlorobenzene	20	ng/kg	0.371	8, 330	1	7/ 4/99	23:57	M. Goodrich	8270C	7018
L,3-Dichlurobenzeme	ND	ng/kg	0.371	8.339	1	7/ 4/99	23:57	M. Soodrich	82780	7018
.,4-Dichlorobenzene	HD.	ng/kg	8.371	8.330	1	7/ 4/99	23: 57	M. Goodrich	8278C	7018
1,3'-Dichlorobenzidine	MD	ng/kg	0.742	0.880	1	7/ 4/99	23: 57	M. Scodrich	8270C	7018
2,4-Dichlorophemal	XD.	ng/kg	0.371	0.330	1	7/ 4/99	23:57	M. Goodrich	8270C	7018
) iethylyhthalate	HD.	ng/kg	0.371	0.390	1	7/ 4/99	23:57	M. Soodrich	8270C	7018
2,4-Cinethylphenol	HD	ng/kg	0.371	8.330	1	77 4/99	29:57	A. Soodrich	8270C	7018
inethulabthalate	ND	на/ка	8. 371	0.330	1	7/ 4/99	23: 57	n. Soodrich	8278C	7018
}i-n-butqlphthalate	9K	ng/kg	0.371	8,338	1	7/ 4/99	23:57	M. Soodrich	8278C	7916
1,6-0 initro-2-methylphemol	MD no.	nge ng	0.772	0.825	1	7/ 4/99	23:57	n. Goodrich	8278C	7018
i,4-Dimitrophesol	MD GA	ng/kg	0.727	8. 825	1	7/ 4/99	23: 57	M. Sendrich	8278C	7018
.4-dinitrataleene	MD GK	ng/kg	0. 711	8. 338	1	7/ 4/39	23: 57	n. soodrich	8270C	7018
l,4-Dimitrotolueme	WD WTA	ng/kg	0. 371 9. 371	8. 338	1	7/ 4/99	23: 57	n. Goodrich	8270C	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 77-A74781

Sample ID: SB-6

inalște	Result	Units	Report Limit	neug Linit	Dil Factor	Date	Tine	Analgst	Nethod	Bato
					1 40 631			unargoe		
Di-n-octylphthalate	MD.	ng/kg	0.371	8, 330	1	77 4799	23:57	M. Goodrich	8270C	7018
Fluoranthene	HD CH	ng/kg	8.371	0.330	1	77 4/99	23: 57	M. Goodrich	8270C	7018
Fluorese	HD	संदु/रिवृ	0.971	8,990	1	77 4/99	23:57	M. Goodrich	8278E	7018
Hexachlorobeszese	HD	mq/kq	8.371	8, 338	1	7/ 4/99	23: 57	M. Seedrich	8270C	7018
Hexachlorobutadiene	ND	ng/kg	8.371	0.330	1	7/ 4/99	23: 57	M. Goodrich	8270C	701
Hexachlorocyclopentadlene	税	ng/kg	0.371	0.330	1	77 4799	23: 57	n. Soedrich	32700	701
Hexachioroethane	妝	ng/kg	0.371	0.930	1	77 4799	23:57	n. Soodrich	8270C	701
Indeno(1,2,3-od)pyrene	ND OK	ng/kg	0.371	0,330	1	77 4/99	23:57	M. Goodrich	8278C	7018
Isophorene	ND QK	ng/kg	8.371	0.330	3	77 4/97	23: 57	M. Geodrich	8270C	7018
I-Nethylmaphthalene	HD	ng/kg	0.371	0.330	1	7/ 4/99	73: 57	n. Soodrich	8278C	7018
2-Nethaighenol	40	ng/kg	0.371	0,930	1	77 4/99	23:57	n. Soodrich	6270C	7818
a,p-Methylphenol	NE.	ng/kg	8.371	9.939	1	7/ 4/99	23:57	a. Goodrich	8278C	7018
Machthalese	MD	ng/kg	0, 371	0.330	1	7/ 4/99	23:57	n. Scodrick	8278C	7018
2-Mitroaniline	HD:	ng/kg	0.927	0.825	1	7/ 4/99	23:57	n. Scoorich	8270C	7018
S-Mitrosmiline	MD MD	ng/kg	0.927	0.825	1	7/ 4/99	23:57	A. Soodrich	8270C	7818
4-Mitrosniline	40 uv	-	0.727	8.825	1	7/ 4/99	23:57		6278C	
n niciosumina Hitrobeniene	no HD	ng/kg						N. Soodrich		7618
		ng/kg	0.371	8, 338	1	7/ 4/99	23: 57	N. Goodrich	8270C	7018
2-Witrophesol	ND	ng/kg	0.371	8.330	1	7/ 4/99	23: 57	M. Goodrich	8278C	7018
4-Mitrophenol	40	udi,kd	D. 927	9.825	1	7/ 4/99	23: 57	n. Spodrich	8270C	7018
K-mitrosodi-m-propylamine	AD.	ng/kg	0.371	0.330	1	7/ 4/99	23:57	il. Goodrich	8270C	7818
M-mitrosodiphenylanine	ND NE	ng/kg	8, 371	8, 33G	1	7/ 4/99	23: 37	n. Goodrich	8270C	7018
Pentachlorophenol	¥D	на/ка	8. 927	0.825	1	7/ 4/99	23: 57	H. Goodrick	8278C	7818
Phensathrene	AD.	ng/kg	8, 371	0. 338	1	77 4799	23: 57	n. Goodrich	3276C	7018
Phenol	HD	ng/kg	0.371	0.330	1	7/ 4/99	23: 57	n. Goodrich		7018
Purene	מא	ng/kg	0.371	8, 330	1	7/ 4/99	23: 57	M. Goodrick	8270C	7018
Wisk2-ethylhexyl)phthalate	MD	ng/kg	0.371	8.330	1	77 4799	23: 57	M. Soodrich	8270C	7018
<pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre></pre> <pre></pre>	MB	मन्त्रात्व	0. 37£	8. 33 0	1	77 4/99	23:57	M. Soodrich	6270C	7018
2,4,5-Trichlorophenol	MD	Ha/ka	0.727	0, 325	1	77 4/99	Z3: 57	N. Scodrich	8270C	7018
2,4,6-frichlorophenol	HD	ng/kg	0.371	0. 33 0	1	7/ 4/99	2 3: 57	M. Goodrich	8270C	7018
ANGIETTIE BESANICZM										
Scetese	HD.	engen	0.0079	0.0070	ī	6/27/99	21:53	R. Hurt	82800	5874
Renzene	HD OH	Hg/Kg	0.0016	0.0014	1	6/27/99	21:53	H. Hurt	37680	5824
Sronobeazene	AD:	ng/kg	0.0016	9.9014	1	6/27/99	21:53	N. Hurt	82608	5824
Gronochioromethane	HD	ng/kg	0.0016	0.6014	1	6/27/99	21:53	H. Hurt	8260B	5824
Итоноботн	₩D	Hg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	87400	5824
Gronomationne	HD	ng/kg	0.0018	0.0014	1	6/27/99	21:53	H. Hurt	82608	5824
2-Butaneon	40·	ng/kg	0.8079	0.6070	1	6/27/99	21:53	N. Hurt	62688	5824
a-Butylaenzene	AD:	ng/kg	0.0016	9.6014	1	6/27/79	21:53	8. Hurt	82660	5824
sec-ButyLbenzene	HD:	ngekg	0.0016	6.0014	1	6/27/99	21:53	H. Hurt	8260B	5824
t-Mutylbenzene	MD	ng/kg	0.001á	0.0014	1	8/27/99	21:53	8. Hurt	87600	5824
Carbon Hisulfide	NO	nge'kg	0.3016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Carbea tetrachierida	ar Cr	ну/ю	0.0014	0.0014	1	6/27/99	21:53	N. Huft	82666	5824
Chlorobanzese	HD CIR	संबुर्/संबु	8.0016	0.0014	1	6/27/99	21:53	N. Hurt	82608	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94981

Sample ID: SB-6

Raalete	Result	Units	Report Limit	Russ Linit	Dil Factor	Date	Time	Analyst	Method	Batci
Saloroetaase	90	ng/kg	0.0016	0.0014	1	6/27/99	21:53	X. Hurt	82688	5824
2-Chloroethglviaglether	HD	ну/ку	0.0015	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5624
Caloroform	NO.	ng/kg	0.0016	0.0014	1	6/27/99	21:59	N. Hurt	82688	5824
Chloromethane	HD.	ng/kg	8,0014	0.0014	1	8/27/99	21:53	M. Hurt	82800	5824
2-Chlorotolueae	HD.	ng/kg	8,6016	0.0014	1	8/77/99	71:53	N. Hurt	87600	5874
4-Chloratoluene	HD.	ng/kg	8,0016	0.0014	1	8/27/99	21:53	M. Hurt	87600	5874
1,2-Dibromo-3-chloroprogame	MD	нд√кд	0.0079	8,6970	1	6/27/99	21:53	H. Hurt	8268B	5824
Dibromochloromethace	HD	ng/kg	0.0016	0.0014	1	6/27/99	21:53	H. Hurt	82608	5824
1,Z-Dibronoethame	WD.	समृतीत्त्र	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	6260B	5624
Dibronomethame	WD.	ng/kg	0.0016	0.0014	1	6/27/99	21:53	H. Hurt	82408	5824
1,Z-Dichlorchenzane	MD	ng/kg	0.0016	0.0014	1	6/27/99	21:53	H. Hurt	62688	5824
1,3-Dichlorobenzene	HD (IK	ng/kg	0.0018	0.0014	1	8/27/99	21:53	8. Hurt	82600	5824
1,4-Dichlorobenzene	AD.	нд/ка	0.0018	9, 0014	1	6/27/99	21:53	H. Hurt	82600	5824
Dichloredi Fluorenethane	HD	ng/kg	0.0016	0.0014	1	\$/27/99	21:53	H. Hurt	82600	5824
1,1-Dicklurosthame	HD	ng/kg	0.0016	0.0014	1	6/27/99	21:53	A. Hurt	82608	5824
1,2-Sichluroethane	HD	ng/kg	0.0016	0.0014	1	6/27/99	21:53	H. Hurt	82608	5824
i,i-Dichiorosthene	HD GK	ng/kg	0.0016	0.0014	1	6/27/99	21:53	R. Hurt	8250E	5874
ois-1,2-Ducbloreetheas	NO.	ну/ку	8.8013	0.8014	1	6/27/99	21:53	R. Hurt	3250H	5824
enedisorolical in the sacri	MD	ng/kg	0.0018	0.0014	1	8/27/99	21:53	N. Hurt	8260H	5874
1,2-0ichleropropase	HP.	ng/kg	8.8614	0.0014	1	6/27/99	21:53	A. Hurt	6268B	5824
1,3-Dichloroprepase	СK	ng/kg	9. 8918	0.6914	1	8/27/99	21:53	H. Hurt	8260K	5824
2,2-DickLoropropase	MD	ng/kg	0.0016	0.0014	1	8/27/99	21:53	H. Hurt	8760R	5824
1,1-Dichloropropene	38	ng/kg	0.0016	0.0014	1	6/27/99	21:53	X. Hurt	82608	5824
dis-1,3-Dichlorogropeae	ME	tig/kig	0.8016	0.0014	1	6/27/99	21:53	H. Hurt	82688	5824
trans-1,3-Dichloropropene	NO.	ng/kg	0.0016	0.0014	1	6/27/99	21:53	A. Hurt	82688	5824
Ethylbenzene	MD	ng/kg	0.0016	0.0014	1	8/27/99	21:53	M. Hurt	82600	5824
eneibetudoroldoese	ND	ng/kg	8.001á	0.0014	1	6/27/99	21: 53	M. Hurt	3260B	5824
2-Hexagone	HB	सब्र/स्य	0.8879	0.0070	1	6/27/99	21:53	H. Hurt	6260B	5824
Paggropg Libe crass	极	ng/log	0.0016	0.6014	1	6/27/99	21:53	H. Hurt	8268B	5824
4-Isopropyltoluese	- 25	ng/kg	0.0016	0.0014	4	6/27/99	21:53	H. Hurt	8260B	5824
4-Methyl-1-pencanone	ND.	tig/kg	8.0079	8.0070	1.	6/27/99	21:53	H. Hurt	82608	5824
Methylese chloride	HD	ngélog	8.9079	0.8070	1	6/27/99	21:53	N. Hurt	82688	5824
Kaphthalase	HD.	सब्द शिव्	0.0016	0.0014	1	6/27/99		H. Hurt	82608	5824
s-Proggibenzene	HD	Hg/kg	0.0016	0.0014	1	8/27/99		H. Hurt	87500	5874
Styrese	MD	ng/kg	0.0016	0.0014	1	6/27/99	21:53	H. Hurt	82600	5874
1,1,1,2-Tetrachloroethane	WD OH	ng/kg	0.0016	0.0014	1	6/27/99		N. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	H2	ng/kg	0.0016	0.0014	1	6/27/99		M. Hurt	8260B	5824
Tetrachioroethees	AD	ng/kg	0.0016	0.0014	1	6/27/99		H. Hurt	8260B	5824
Toluese	AB.	ng/kg	0.0016	0.0014	1	6/27/99	21:53	H. Hort	8260B	5824
1,2,5-Trichlorobenzene	AD.	ng/kg	0.0016	0.0014	1	6/27/99		H. Hurt	8260B	5824
1,2,4-Trichlorobenzese	HD.	ng/kg	0.0016	0.0014	1		21:53	N. Hurt	6260B	5824
L,1,1-frichloroethame	NV	ng/kg	0.5816	0.0014	1	6/27/99		N. Hurt	8260B	5824
1,1,2-Trichlersethage	HD	ng/kg	0.0016	0.0014	1	\$/27/99	21:53	R. Hurt	8260II	5824
Frichlorsetbene	מא	ng/kg	0.0016	0.0014	1	6/27/99		M. Hurt	8260K	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94981

Sample ID: SB-6

Page 4

			Report	នួមគណ	Dil					
inal y te	Wesult	Units	Limit	Linit	Factor	Date	Time	Analyst	Method	Batch
and the BM letter and the late of the late					~					
1,2,3-Trichlorepropase	HD	ng/kg	8.0016	0.8014	1	8/27/99	21:53	N. Hurt	826BB	5824
1,2,4-Trinethylbenzene	40	ng/kg	0.0016	0.0014	1	6/27/99	21:53	A. Hurt	6260B	5824
1,3,5-Trimethglbenzese	80	ng/kg	0.0018	0.0014	1	6/27/99	21:53	N. Hurt	82688	5824
Vingl chloride	ЖD	ng/kg	0.0016	0.0014	1	8/27/33	21:53	R. Hurt	8260E	5824
Mylenes	40	ng/kg	0.0016	8.0014	1	6/27/99	21:53	N. Hurt	82608	5824
Sronodichloromethame	GH	ng/kg	0.0018	0.0014	1	8/27/99	21:53	H. Hurt	826BK	5874
Trichlorofluorenethame	HD	ng/kg	0.0013	0.0014	1	6/27/99	21:53	N. Hurt	82600	5824
MGENERAL CHEMISTRY PARAME	TERSH									
2 Dry Weight	39.	7,			1	77 1799	11:17	Fitzwater	CLP	3154

NO = Not detected at the report limit,

Sample Extraction Data

	MC/VoI				
Parameter	Extracted	Extract Vol	Date	Analyst	Hethod
	-16-91-4-1-1-1-1-1-1				
SMA's	30.0 gn	1.0 al	6/30/99	FitzHater	3550
Volatila Organics	7.1 g	5.0 ส1	6/23/99	N. Hurt	5035

Surrogate	% Recovery	Target Range

surr-1,2-Dichloroethame, 44	134.	48 160.
surr-Toluene dB	95.	79 119.
surr-4-Granofluorobenzese	88.	89 135.
surr-Dibromofluoromethane	116.	63 135.
surr-Hitrobenzene-d5	50.	ZO 110.
surr-I-Fluorohiphenyl	5 6.	18 110.
aurr-Terphengl dl4	72.	27 128.
surr-Phenol d5	66.	10 111.
surr-2-Fluorophenol	32.	10 107.
surr-2,4,6-Tribromophemol	33.	14 110.

All samples have been corrected for dry weight.

2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94981

Sample ID: SB-6

Page 5

Report Approved Bu:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
785A JOHNNIE DODDS BLDV
1T. PLEASANT, SC 27464

Project: 9489

Project Name: ERM Sampler: ROD TRUMAN Lab Number: 99-A94982

Sample ID: SB-7 Sample Type: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 15:35 Date Received: 6/26/99 Time Received: 7:00

ACCOUNT OF THE PARTY OF THE PAR			Report	guan	Dil					
austiks	Result	Units	Limit	Linit	Factor	Date	Time	Analyst	Method	Batol
*EXTRACTOR E BEGARICS#										
Acessoathese	MD	ng/kg	8.375	0.330	1	77 5799	8: 35	M. Goodrich	8270C	7018
AcentphChalene	ND	ng/kg	0.375	0.330	1	7/ 5/99	0: 35	M. Goodrich	8278C	7018
Anthracene	HD	ng/kg	8. 375	0.330	1	7/ 5/99	8: 35	M. Goodrich	8278C	7018
Neszo(a)asthracese	ЯĐ	ng/kg	8.375	0.330	1	77 5/99	8: 35	M. Goodrich	8270C	7018
Senzo(a)pyrene	Ü	ng/kg	0.375	0.930	1	7/ 5/99	8: 35	M. Soudrich	8278C	7018
Benzo(b)fluoranthene	HG:	ngelog	8.375	0.990	1	77 5799	8: 35	n. Goodrich	8270C	7816
Henzo(g,b,i)perylene	HD	ng/kg	0.375	8. 330	1	77 5/99	8: 35	M. Soodrich	3270C	7018
Webzo(k) Alvoranthese	HD	Hq/ka	8.375	0.330	ī	77 5799	8: 35	M. Soodrich	8270C	7018
4-Bronophenglabenglether	HD.	ng/kg	8.375	0.390	1	77 5799	D: 35	M. Goodrich		7918
Rutylbenzylphthelate	HD	ng/kg	8, 375	0.330	1	7/ 5/99	8: 35	M. Sondrick	8278C	7018
Sarbazole	HD	ng/kg	8.375	0.330	1	77 5799	0: 35	n. Soodrich		7018
4-Chloro-1-methalamenol	ND CK	ng/kg	0.375	0.330	1	7/ 5/99	0:35	M. Soodrich		7018
4-Chloroaniline	X0	ng/kg	8.375	0.330	1	7/ 5/99	8: 35	M. Goodrich		7018
his(2-Chloroethoxy)methan		ng/kg	0. 375	9. 550	1	7/ 5/99	8: 35	a. Soodrich	8270C	7016
Wis(Z-Chloroethul)ether	жD	ng/kg	8. 375	0.330	1	7/ 5/99	0:35	M. Soodrich	8270C	7018
bis(2-Chleroisopropul)eth		ng/kg	0.375	0.330	1	7/ 5/99	8: 35	M. Sondrich	8270C	7818
2-Chloromaghthalene	H0	ng/kg	0.375	0,350	1	77 5/99	8: 35	M. Goodrich		7018
2-Chlerophenol	HD	ng/kg	8.375	0.330	1	7/ 5/99	8: 35	M. Goodrick	3278C	7018
4-Chlorophenylphenglether		ng/kg	8.375	0.330	1	7/ 5/99	0: 35	n. Soodrich	3270C	7018
Chrysens	พุธ	ng/kg	0.375	0.330	1	7/ 5/99	8: 35	M. Goodrich	8270C	7018
Sibenzofuran	HD	ну/ку	0.375	0.330	1	7/ 5/99	8: 35	N. Soodrich		7018
BibeauC:, h/anthracene	QK	ng/kg	6.375	0.930	1	7/ 5/99	0: 35 0: 35	N. Soodrich		7018
1,2-Dichiorobeszene	HS	#9/KA	8.375	0.330	1	7/ 5/99	0: 35	N. Soodrich	8270C	7018
i,3-Dichlorobeazene	NO.	ng/kg	8.375	8.338	1	7/ 5/99	0: 35	M. Soodrich		7016
1,4-Dicklorobeazene	MD	ng/kg	8. 375	0.330	1	7/ 5/99	8: 35	M. Seedrich	8270C	7018
3.3'-Dichlorobenzidine	HD OH	ng/kg	8.750	0.668	ī	7/ 5/99	0: 35	M. Goodrich	8278C	7018
i,4-Dichlorophenol	ND	ng/kg	0.375	0.330	1	7/ 5/99	0:35	M. Goodrich		7018
Diethqlabthalate	HD.	ng/kg	0.375	0.930	1	7/ 5/99	8: 35	M. Soodrich	8270C	7018
1,4-Dimethylphesol	HD OH	ng/ka	0.375	8, 330	1	7/ 5/99	0: 35	M. Goodrich	8270C	7018
Dimethgiphthalate	HD	ng/kg	8.375	0.336	1	7/ 5/99	8: 35	M. Soudrich	8278C	7016
rinecagopacaataer Rinandutalphihalote	₩₽ No	ng/kg	8.375	0.330	1	7/ 5/99	0: 35	n. Soodrich		7016
ar a accyrpacaerace 4,6-Binitro-I-methylpheno		ngreg ng/kg	0.763	0.825	1	7/ 5/99	8: 35	a. Soodrich	6278E	7018
r,o etazero i netagipaeno I,4-Dinitrophenol	T WO	ad∖K∂ uāccā	0.738	0.025	1	7/ 5/99	8: 35	n. Goodrich	8270E	7018
1,4-dinitrotolvene	MD.	ng/kg	0.738	0.020	1	7/ 5/99	8: 35	A. Goodrich	8270E	7018
I,6-Dimitrotoloeme	MD	ng/kg	8, 375	0.330	1	7/ 5/99	0: 35	n. Seedrich		7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94982

Sample ID: SB-7

Analyta	Result	Units	Report Limit	Quaa Linit	011 Factor	Date	Time	Analyst	ñethod	Batel
***************************************	***************************************		******	-				*********		
Si-a-octgiphthalate	HD	ng/kg	8.375	8.330	1	7/ 5/99	0: 35	il. Soodrich	6270C	7018
Fluorantheme	НD	ng/kg	0.375	0.330	1	77 5799	8; 35	M. Goodrich	8270C	7018
Fluorene	HD	нц∕жа	8, 375	0.330	1	77 5/99	0: 35	n. Soodrich	3278C	7013
Hexachlorobenzene	40	ng/kg	8, 375	0.330	1	77 5/99	8: 35	M. Soodrich	8270C	7018
Hexachlorobutadiene	HD.	ng/kg	8,375	0.338	1	7/ 5/99	Ø: 35	A. Soodrich	6278C	7016
Hexachlorocyclopentadiene	40	ng/kg	0. 375	8.338	1	7/ 5/99	B: 35	N. Soodrich	82786	7918
Hexachloroethame	Ko	Hg/kq	0.375	8. 330	1	7/ 5/99	8: 35	M. Goodrich	8279C	7018
Indens(1,2,3-od/pgrene	SK GK	ng/kg	8.375	0.988	1	77 5/99	8: 35	ff. Goodpich	8278C	7016
Isophorone	HD	ng/kg	8, 375	8, 338	I	77 5/99	0: 35	A. Goodrich	3278C	7818
I-Methylasphthalene	HD	ng/ka	8. 375	0.330	1	7/ 5/99	0: 35	M. Goodrich	8270C	7013
7-Methylphenol	HD	ng/kg	8.375	0.330	1	7/ 5/99	8: 35	M. Soodrich	8270C	7018
a,p-Methylphenol	RD	ng/ka	9, 375	0.330	1	7/ 5/99	0: 35	M. Goodrich	82700	7618
Haphthalene	8 8	ng/kg	0.375	8.338	1	7/ 5/99	0: 35	il. Soodrich	8278C	7016
2-Hitropailine	N.S	ng/kg	0.938	0.825	1	77 5/99	9: 35	M. Goodrich	82780	7018
3-Mitroaniline	HB	सब्दर्शन	8.738	8.825	1	7/ 5/99	8: 35	M. Goodrich	6270C	7018
4-Ritrosalline	20	ng/kg	0.738	8.825	1	7/ 5/99	8: 35	n. Goodrich	3270C	7018
Bitrobenzene	ЖĎ	no/ko	8.375	0.330	1	7/ 5/99	0: 35	M. Goodrich	8270C	7013
2-Hitrophenol	AU	सब्दर्शन	8, 375	0.330	1	7/ 5/99	0:35	M. Goodrich	8270C	7018
4-Witropheael	ND	ng/kg	0.938	8.825	1	7/ 5/99	0: 35	n. Goodrich	8270C	7019
M-mitrosodi-m-propulamine	MD	ng/kg	0.375	0.330	1	77 5799	0:35	ff. Goodrich	8270C	7018
d-mitrosodiphenglamine	ND	ng/kg	8.375	0.330	1	7/ 5/99	8: 35	n. soom son N. Soodrich	8270C	7018
Pentachlorophenol	KD.	ng/kg	0.938	0.825	1	7/ 5/99	8: 35	M. Goodrich	8278C	7018
Then anthrene	ND	ng/kg	8, 375	0.330	1	7/ 5/99	8: 35	M. Goodrich	8270C	7019
Phenol	ND	ng/kg	8, 375	0.330	1	7/ 5/99	8: 35	M. Soodrich	8270C	7018
Parene	HD	ng/kg	8, 375	0.330	1	7/ 5/99	8: 35	a. Goodrich	8279E	7018
Dis(2-ethylhexql)phthalate	HD.	सर्वर/हर्ष सर्वर हर्ष	8, 375	8.990	1	7/ 5/99	0. 35 8: 3 5	M. Goodrich	8278E	7018
1,2,4-Trichlorobenzene	XD	udsged ude ed	8. 375	0.330	1	77 5799	0. 35 8: 35	n. Goodrich	8270E	7818
2,4,5-Trichlorophenol	ND	ng/ka	8.938	8.825	1	7/ 5/99	0:35	M. Soodrich	8270C	7018
2,4,6-Trichlorophenol	ND CH	ng/kg	0.375	8. 338	1	7/ 5/99	0: 35	n. Socarich	827GC	7018
AUNLATULE ORGANIESM										
308tg48	(10)	ng/kg	0.3987	0.0077	1	6/27/99	22:26	H. Hurt	8260B	5824
Venzene	HD	ng/kg	8.0017	0.9015	1	8/27/99	22: 26	H. Hurt	82800	5824
Bromobeurose	ND	нд/Жа	0.0017	0.0015	1	8/27/99	22: 26	H. Hurt	8760D	5824
Sronouhloromethame	ND	ag/kg	0.0017	8.9015	1	6/27/99	22: 26	H. Hurt	8268B	5824
urone Form	MD	ng/kg	0.0017	8.0015	1	8/27/99	22: 26	X. Hurt	8260U	5824
(tromomethane	妝	# q/ }kg	0.0017	0.0015	1	8/27/99	22: 26	K. Hurt	8260E	5874
2-Kutanone	HD	ng/kg	0.0037	0.0077	1	8/27/99	22: 26	N. Hurt	82600	5824
n-Nutylhenzene	AD.	ng/kg	0.0017	0.0015	1	6/27/99	22: 28	N. Hurt	82600	5824
-wo-Butalbauzene	ND	ng/kg	9.8017	9.0015	1	8/27/99	22: 26	K. Hurt	8260K	5824
t-Butqlbeazeae	40	ng/kg	8.0017	0.0015	1	6/27/99	22:26	H. Hurt	8260B	5824
Jarbon disulfide	0.0161	ngakg	8.9917	0.0015	1	6/27/99	22:26	N. Hurt	6260B	5624
Carbon tetrachloride	MD	itg/kg	9, 9017	9,8015	1	8/27/99	22: 26 22: 26	M. Hert	8260K	5824
Calorabeazene	HD	सब्द्र∕३८व । व्यक्त	0.0017	0.0015	ī.	6/27/99		H. Hort	82688	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 79-A94982

Sample ID: SB-7

Analyte	Result	Units	Report Limit	Rusa Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	MD)	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	H. Hurt	8260V	5824
2-Chloroethylvinglether	MD	ng/kg	0.8017	0.0015	1	8/27/99	22: 26	N. Hurt	82600	5874
Chloroform	MD	ng/kg	0.0017	0.0015	1	8/27/99	27: 28	N. Hurt	87500	5874
Chloromethane	ND	ng/kg	8,8817	0.0015	1	8/27/99	77: 76	H. Hurt	8780H	5824
2-Calorotolseae	WD.	нд/кд	0.0017	9,0015	1	6/27/99	22:26	N. Hurt	8260B	5824
4-Chlorotoluene	ND	ng/kg	0.0017	8,0815	1	8/27/99	22: 26	8. Hurt	8760E	5874
essporated in 1.1.1.	MD	ng/kg	8.0097	0.0077	1	8/27/99	22: 26	R. Hurt	3250K	5874
Dibromochloromethame	ND	на/ка	0.0017	0.0015	1	6/27/99	77: 76	H. Hurt	3260K	5824
1,2-Dibromoethame	ND	ng/kg	0.8017	0.0015	1	6/27/99	22:26	H. Hurt	82608	5824
Dibronomethane	器D	ng/kg	0.0017	0.0015	1	6/27/99	27: 26	H. Hurt	826BK	5824
1,2-DickLorobeszene	HD	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	M. Hurt	82600	5824
1,3-Dichlorobenzene	RD	ng/kg	0.0017	0.0015	1	6/27/99	22:26	N. Hort	8260B	5824
1,4-Dichlorobenzene	40	ng/kg	0.9017	0.0015	1	6/27/99	22:26	H. Hurt	8260B	5824
Pichlorod:Fluoromethame	HD	ng/kg	0.0017	0.0015	1	8/27/99	22: 26	N. Hurt	87800	5874
1,1-Dichieroethame	KD	ng/kg	8.0017	8.0015	1	6/27/99	22: 26	M. Hort	82500	5874
1,2-Dichleroethame	80	ng/kg	0.0017	0.8915	1	6/27/99	22:26	N. Hurt	82608	5824
1,1-Cichloroetheme	HG.	ngekg	0.0017	0.0015	1	6/27/99	22: 26	R. Hurt	82608	5824
cis-1,7-Dicklorostkens	HD	Hg/kg	0.0017	8.0813	1	6/27/99	77: 76	M. Hurt	82888	5824
trans-1,2-Dichloroethene	ND	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	8. Hurt	82600	5824
1,7-Dichluropropane	מא	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	N. Hurt	82500	5824
1,3-Dichloropropane	ND CIN	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	X. Hurt	82800	5824
7,Z-Dichloropropane	MD	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	M. Hurt	82500	5824
1,1-Dichluropropene	MD	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	H. Hurt	82600	5824
cis-1,3-9ichloropropene	HD	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	N. Hurt	3260R	5824
Crans-1,3-Dichloropropene	HD	ng/kg	8.0017	0.0015	1	6/27/99	22:26	N. Hort	8260B	5824
Ethylbeazene	RD.	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	N. Hurt	8260B	5624
Hexachlorobutadiene	HD	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	M. Hurt	8760K	5824
2-Hexanose	HD.	ng/kg	0.0087	0.0077	1	8/27/99	22: 26	H. Hurt	8260D	5824
Isapropylbenzene	80	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	N. Hurt	82608	5824
4-Isopropultolaese	80	ng/kg	0.0017	8.6915	1	8/27/99	22: 26	M. Hurt	82600	5824
4-Methyl-I-pentanone	MD	ng/kg	6.0097	0.0077	1	6/27/99	22: 26	H. Hurt	878810	5824
Methylene obloride	HD OH	itg/kg	0.0087	0.0077	1	8/27/99	ZZ: Z6	N. Hurt	87500	5874
Haphthalene	HD	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	W. Hurt	82608	5824
n-Propylbeazene	HD	ng/kg	0.0017	0.0015	1	6/27/39	22: 26	N. Hurt	8260B	5824
Styrene	KD	ng/kg	0.0017	0.0015	1	8/27/99	22: 26	K. Hurt	825014	5874
1,1,1,2-Tetrachloroethame	ЖD	ng/kg	0.0017	8,0815	1	6/27/99	22: 26	M. Hurt	326010	5824
1,1,2,2-Tetrachloroethame	ND	нд/кд	0.901.7	0.0015	1	6/27/99	22: 26	N. Hurt	82688	5824
Patrauhloroethene	OK	ng/kg	0.0017	0.0015	1	6/27/99	22:26	H. Hurt	8260B	5824
faluene	MP.	ng/kg	0.0017	0.8815	1	8/27/99	22: 26	H. Hurt	8768B	5824
1,Z,3-Trichlorobenzene	HD	ng/kg	0.0017	0.0015	1	6/27/99	22: 26	H. Hurt	8260B	5824
1,Z,4-Trichlorobenzene	HD	ng/kg	0.8017	0.0015	1	6/27/99	22: 26	N. Hurt	8260B	5824
1,1,1-Trichloroethane	MD	ng/kg	0.9017	0.0015	1	6/27/99	22: 26	N. Hurt	8260B	5824
1,1,7-Trichloroethame	ND	ng/kg	0.0017	8,8015	1	8/27/99	22: 26	X. Hurt	8260I	5824
Trichlorostheme	KD.	ng/kg	0.0017	0.0015	1	8/27/99	22: 28	H. Hurt	8260Tr	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94982

Sample ID: SB-7

Page 4

			Report	Rusn	Dil					
Analyte	Result	Units	Limit	Linit	Factor	Date	Time	Analyst	Rethod	Ratch
(mind the recitor of the last the the major between the major of the contract of the contract of			-	****						
1,2,3-Trichlerepropane	990	ng/kg	0.0017	8,0015	1	6/27/99	22: 26	X. Hurt	826BB	5824
i,7,4-Trinethylbenzene	₩D	ng/kg	0.0017	0.0015	1	8/27/99	22: 26	X. Hurt	8260E	5874
1,3,5-Trimethylbenzene	HD	Hg/kg	0.0017	0.0015	1	6/27/97	22: 26	X. Hurt	8260N	5874
Vingl chloride	*D	Hg/kg	0.0017	0.0015	1	8/27/99	22: 26	H. Hurt	8260E	5824
Kylenes	HD	ng/kg	0.0017	8,8815	1	6/27/99	22: 26	H. Hurt	82600	3874
Gromodichloromethame	НD	ng/kg	0.0017	0.0015	1	6/27/99	22:26	N. Hurt	82688	5624
Trichlorofluoromethane	HĐ	ng/kg	9,0017	0.0015	1	8/27/99	22: 26	K. Hurt	8280H	5874
MGENERAL CHEMISTRY PARAMET	ERSH									
% Dry Weight	33.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

HD = Not detected at the report limit.

Sample Extraction Data

Parameter	Ht/Vol Extracted	Extract Vol	Date	Analyst	Nethod
SMA's	30.0 gm	1.0 Hl	6/30/99	Fitzwater	3550
Volatile Organics	6.5 g	5.0 Hl	6/23/99	N. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethame, 44	125.	48 160.
surr-folgene dB	90.	79 119.
energeforoufluoronerzene	82.	69 135.
surr-Bibronofluoromethane	108.	63 135.
surr-Mitrobeazeae-d5	56.	20 - 110
serr-2-Fluorobiphenyl	60.	18 119.
surr-Terphenyl dl4	76.	27 128.
surr-Phenol d5	72.	18 111.
surr-I-Fluorophenol	37.	10 107.
surr-2,4,6-Tribromophenol	79.	14 110.

All samples have been corrected for dry weight.



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94982

Sample ID: 58-7

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424 TERESA BRAILSFORD

785A JOHNMIE DODDS BLDV TT. PLEASANT, SC 29464

Project: 9489

Project Name: ERM Samplar: ROD TRUMAN Lab Number: 99-A94983

Sample ID: 58-8 Sample Type: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 16:20

Date Received: 5/26/99

Time Received: 9:00

			Report	Susu	Dil					
nalyte	Result	Units	Linit	Linit	Factor	Date	Time	Analyst	Method	Bate
EXTRACTABLE BECANICS*										
ensymbhene	HD	mg/kg	0.402	0.330	<u> 1</u>	7/ 5/99	1:12	M. Goodrich	8270C	7018
koensphthulene	ЖD	Hq/kg	0.402	0. 330	1	7/ 5/99	1:12	N. Goodrich	3270C	7018
inthracene	HD	ng/kg	9, 402	9, 330	<u>.1</u>	7/ 5/99	1:12	M. Soodrich	8270C	7018
Kenzo(a)anthracene	ND	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Scodrich	82700	7018
lenzo(a) pyrene	MD	ng/kg	0.407	0.330	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
enzo(b)Fluoranthene	ND	нд/кд	0.402	0.330	1	7/ 5/99	1:12	M. Goodrich	8270C	7818
enzo(g,h,i)perylene	ND	Hg/kg	8, 402	0.330	1	77 5/99	1:12	N. Soodrich	8270C	7018
(enzo(k)flueranthene	80	ng/kg	0.407	0.330	1	77 5/99	1:12	M. Goodrich	8270C	7018
-bronophenylphenylether	ND	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
outulbenzulabthalate	MD DK	ng/kg	0,402	0.330	1	77 5799	1:12	M. Goodrich	8270C	7018
erbazola	MD CA	mg/ku	0.402	0.330	1	77 5799	1:12	M. Goodrich	8278C	7018
-Chloro-3-methylphenol	ΜĎ	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Soodrich	8278C	7018
-Chloroaciliae	ND CIK	ng/kg	0.402	0.330	1	7/ 5/99	1:17	M. Goodrich	8270C	7018
ds(2-Chlercethexy)nethane	3D	ng/kq	0.402	0.330	1	77 5/99	1:12	M. Scodrich	8278C	7018
is(2-Chloroethyl)ether	HD	ng/ka	0.402	0.330	1	7/ 5/99	1:12	M. Scodrich	3270C	7018
is(2-Chloroisopropyl)ether	HD	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Seodrich		7018
-Chloronaphthalene	HD OK	ng/kg	0.402	0.330	1	77 5/99	1:12	M. Goodrich	8278C	7018
-Chlorophenol	} <u>†</u> D	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Goodrich	8278C	7018
-Chlorophenylphenylether	ND	ng/kg	9.402	0.330	1	77 5799	1:12	M. Goodrich	8270C	7919
hrusens hrusens	HD D	ng/ka	0.402	0.330	1	7/ 5/99	1:12	M. Goodrich		7018
ibenzofuran	HD.	ng/kg	0. 402	9,330	1	7/ 5/99	1:12	M. Goodrich	8278C	7018
ibenz(a,h)anthracene	ÄĎ	ng/kg	0.402	0.338	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
.7-Dichlorobenzene	HD 	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
,3-Dichlorobenzene	HD	на/ка ркуби	0.402	9.330	1	77 5799	1:12	M. Goodrich	8270C	7018
4-Dichlorobenzene	HD)	ngray ng/kg	8.402	0.330	1	7/ 5/99	1:12	n. Goodrich	8270C	7018
.3'-Dichlerobenzidine	HD:	ng/kg	0. 305	0. 550	1	77 5799	1:12	M. Goodrich	8270C	7018
,4-Dichlerophenel	ND D	ng/kg	0.402	0.330	1	7/ 5/99	1: 12	M. Goodrich	8270C	7018
iethylphthalate	3D	ng/kg	0.402	8.330	1	7/ 5/99	1:12	M. Scodrich	8270C	7018
_4-Dimothylphenol	HD 	ng/ka	0.402	0.330	1	7/ 5/99	1:12	n. Goodrich	8270C	7018
imethwighthalate	HD	ng/kg	0, 402	0.330	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
i-n-butylphthalate	ND	ng/kg ng/kg	0, 402 3, 402	0.330	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
,6-Dimitro-2-methylphenol	MD uo		1.61	0. 330	1	77 5799	1:12		8270C	
A-Danitrophenol	HD WA	ng/kg			1		1: 12	M. Goodrich		7018
,4-dimitrotolseme		ng/kg	1. 01	0.825		77 5799 77 5799	1: 12	育. Goodrich	8270C	7018
" a ny hy clandarogada	MD.	14BNK d	0.402	0.330	1	11 3133	1, 17	N. Goodrich	8270C	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94983

Sample ID: SB-8

Analyte	Result	Vaits 	Report Linit	Quan Limit	0il Factor	Date	Time	Analyst	Hethod	Batel
Di-m-octylphthalate	HD.	не/ка	0. 402	0, 330	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
Fluoranthese	₩D	ng/kg	0.402	0.330	1	77 5799	1:12	M. Goodrich	8270C	7018
Fluorene	MD	ng/kg	0.402	0.330	1	7/ 5/99	1:17	n. Soodrich	8270C	7018
Hexachlorobenzene	80	ng/kg	0.402	0.330	1	77 5/99	1:12	M. Goodrich	8278C	7018
Hexachlorobutadiene	RD GK	ng/kg	8.482	0.330	1	77 5799	1:12	M. Soodrich		7918
Hexachlorocyclopentadiese	MD	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Scodrich	8270C	7018
Hexachloroethane	ЖD	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Scodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	HD:	ng/kg	0.402	0.320	1	7/ 5/99	1:12	M. Goodrich		7818
Laophorone	HD	ng/kg	0.402	8,339	1	7/ 5/99	1:12	N. Soudrich		7018
2-Methyleaphthalene	ND	ng/kg	0.402	0,330	1	7/ 5/99	1:12	M. Soodrich	8270C	7018
2-Methylphenol	HD	ag/kg	0.402	0.330	1	77 5799	1:12	M. Goodrich		7018
s,p-Methylphenoi	ND	ng/kg	0.402	0.330	1	77 5/99	1:12	M. Goodrich		7018
Haphthalene	HD	ng/kg	0,402	0.330	1	7/ 5/99	1:12	M. Soodrich		7018
2-Altroamiline	HD	ng/kg	1.01	0.825	1	7/ 5/99	1:12	N. Goodrich		7018
i-Mitrosniline	MD	ng/kg	1.01	0.825	1	7/ 5/99	1:12	M. Soodrich	8270C	7018
A-Mitroaniline	HD	ng/kg	1.01	0.825	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
Hitrobeazone	HD HD	Hg/kg	8, 402	0.330	1	7/ 5/99	1:12	A. Soodrich	8278C	7018
2-Nitrophenol	HD	ng/kg	0,402	8. 330	1	7/ 5/99	1:12	A. Soodrich	8278E	7018
4-Mitrophenol	ЖD	ng/kg	1.01	8, 825	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
X-mitrosodi-m-propylamine	MD	ng/kg	0.462	0.330	1	7/ 5/99	1:12	M. Goodrich	8278C	7018
H-nitrosodiphenglamine	80	ng/kg	0.402	0.930	1	7/ 5/99	1:12	M. Soodrich	8279C	7018
Pentachlorophenol	ND	ng/kg	1.01	0.825	1	7/ 5/99	1:12	N. Goodrich	8279C	7018
fhenanthrene	HD	ng/kg	0.402	0.390	1.	7/ 5/99	1:12	N. Goodrich	8270C	7018
Phenol	MD	ng/kg	0.402	0.330	1	7/ 5/99	1:12	n. Soodrich	8270C	7018
Pyrene	AD.	ng/kg	0.402	0, 330	1	7/ 5/99	1:12	M. Sondrich	8270C	7018
Dis(Z-ethylhexyl)phthalate	NO	ng/kg	0.402	0.330	1	7/ 5/99	1:12	N. Goodrich	8270C	7018
1,2,4-Trichlorobenzens	ND	ng/kg	0.402	0.330	1	7/ 5/99	1:12	M. Goodrich	8270C	7018
2,4,5-Trichlorophenol	MD	sg/kg	1.01	0. 325	1	7/ 5/99	1:12	M. Goodrich	3279C	7018
2,4,6-Trichlorophenol	ND	ng/kg	0.402	0. 330	1	7/ 5/99	1: 12	M. Soudrich	8270C	7018
AAQUUALIFE GEBURICZX										
Acetone	40°	na/ka	0.0076	0.0962	1	77 2/99	14:53	N. Hurt	82600	5824
georene	40	ng/kg	0.0015	0.0012	1	77 2/99	14:53	N. Hurt	82608	5824
Uromobenzene	AD.	Hg/kg	0.0015	0.0012	1	77 2/99	14:53	M. Hurt	82600	5824
Gronochloronethane	HD	rig/kg	0.8015	0.0012	1	77 2799	14: 53	N. Hurt	8250B	5824
Pronoform	HD	ag/kg	0.0015	0.0012	1	71 2/99	14:53	N. Hurt	82608	5824
Oronomethane	HD	ng/kg	0.0015	0.9012	1	7/ 2/99	14:53	X. Hurt	82608	5824
2-But mone	HD GH	ng/kg	0.0076	0.0062	1	7/ 2/99	14:53	X. Hurt	6260B	5824
a-Butylbenzene	HD	ng/kg	0.0015	0.0012	1	77 2/99	14: 53	N. Hurt	8260B	5824
sec-Nutylbenzene	HD	ng/kg	0.0015	0.0012	1	7/ 2/99	14: 53	H. Hurt	87600	5824
C-Butylbenzene	紹	ny/ky	0.0015	0.0012	1	77 2/99	14: 53	N. Hurt	6260B	5824
Carbon disulfide	MF	ng/kg	9,0015	0.0012	1	7/ 2/99	14:53	X. Hurt	82608	5824
Carbos tetrachloride	¥ū	ng/kg	0.6015	0.0012	1	77 2799	14:53	N. Hurt	8260B	5824
Chlorobenzene	HD	ng/kg	0.0015	0.0012	1	77 2/99	14:53	H. Hurt	3260K	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94983

Sample ID: 5B-8

Analyce	Result	Units	Report Limit	Avan Limit	Dil Factor	Date	Tine	Analyst	Method	Batci
Chloroethane	ND	ng/kg	0.0015	0.0012	3	7/ 2/99	14:53	M. Hurt	8260I(5824
2-Chloroethylvinylether	ФИ	ng/kg	0.0015	0.0012	1.	7/ 2/99	14:53	H. Hurt	8260K	5874
Chloroforn	HD	ng/kg	0.0015	9.0012	1	7/ 2/99	14:53	N. Hurt	82600	5824
Chloronethane	MD	ng/kg	0.0015	0.0012	3	77 2/99	14:53	X. Hurt	8260B	5824
2-Chlorotoluene	HD	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	82600	5874
4-Chlorotoluene	KD	ng/kg	8,6015	0.0012	1	7/ 2/99	14:53	H. Hurt	82600	5824
1,2-Dibrono-B-chloropropane	HD	ng/kg	0.0076	0.0082	1	7/ 2/99	14:53	N. Hurt	8260E	5824
Olbromochloromethame	ЯD	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	H. Hurt	32600	5824
1,2-Dibromeethame	ЖD	ng/kg	0.0013	0.0012	1	7/ 2/99	14: 53	H. Hurt	8260K	5824
Vibronomethame	10	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	H. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	ng/kg	8,0015	0.0812	1	7/ 2/99	14:53	H. Hurt	8769K	5824
1,3-Dichlorobenzeme	HD	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	H. Hurt	826GB	5824
1,4-Dichlorosenzene	HD.	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	8250R	5824
Dichlorodifluoromethame	HD	ng/kg	0.0015	8.0812	1	7/ 2/99	14:53	H. Hurt	8260B	5824
1,1-Dichloroethane	H0	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	H. Hurt	8260B	5824
1,2-Dichloroethane	HD	ng/kg	0.0015	0.6612	1	7/ 2/99	14:53	N. Hurt	8260K	5824
1,1-Dichloroethene	HD QK	на/жа	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	82600	5874
cis-1.2-Dichiorocthese	80	ng/kg	0.0015	0.6012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
trans-1,2-Dichloroethene	80	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8268B	5824
1,2-Dichlaropropane	HD	agrag agrag	0.0015	0.0012	1	7/ 2/99	14:53	H. Hurt	8260B	5824
1,3-Dichleropropase	MD QK	ng/kg	0.6015	0.0012	1	7/ 2/99	14:53	R. Hurt	8260E	5824
2,2-Dichloropropane	40	ng/kg	0.0015	0.0012	4	7/ 2/99	14:53	N. Hurt	8260B	5824
1,1-Dichlaropropene	HD	udyka udi va	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
cis-1,3-Dichloropropese	HD	ng/kg	0.0015	0.0012	1	7/ 2/99	14: 53	N. Hurt	8260E	5824
trans-1,3-Dichloropropene	ЖD	11977kg 11977kg	0.0015	0.0012	1	7/ 2/99	14:53	X. Hurt	8250E	5824
Ethylbenzene	HD	ng/kg	0.0015	0.0012	1	7/ 2/99	14: 53	R. Hert	8260B	5824
Hewachlorobutadiane	ND ND	ng/kg	0.0015	0.0012	1	7/ 2/99	14: 53	R. Hort	8260K	3824
2-Mexandse 2-Mexandse	HD m	ng/kg	8.0074	8.0042	1.	7/ 2/99	14:53	k. Hort	8288K	5824
i nexamme Isopropulbenzene	HD	ng/kg	9.0015	0.0002	7	7/ 2/99	14:53	N. Hurt	8280B	5824
isopropyitaicene	HD	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	H. Hort	82608	5824
4-Methyl-1-pentamone	HP.	ng/ky ngr ky	0.0076	0.0042	· · · · · · · · · · · · · · · · · · ·	7/ 2/99	14:53	H. Hurt	8260B	5824
Metholene chloride	ND.	na/ka	0.0076	0.0002	1	7/ 2/99	14: 53	K. Hurt	8260K	5824
Yaphthalene	110	มสั√เชลิ เหลิ\ ⊌ลิ	0.0015	0.0012	1	7/ 2/99	14:53		8269B	5824
n-Propyldeazene	ND NO	uðykð uðvæð	9,0015	0.0012	1	7/ 2/99	14: 53	H. Hurt H. Hurt	8269K	5874
ityrene Styrene	ЯD	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260K	5824
1,1,1,2-Tetrachloroethane	ጸD ሁኔ	nd\kd	0.0015	0.0012	1	7/ 2/99	14:53	R. Hurt	8260E	5824
1,1,2,2-TetrackLornethane	NE NE		0.0015	9,0012	1	7/ 2/99	14:53	K. Hurt		
t,1,2,2mrethene	MB an	ng/kg na/ka	0.0015	0.0012	1	77 2/99	14:53		8260B 8260B	5824 5824
Toluene	HD HD	ng/kg wa/ka	0.0015	0.0012	1	77 2/99	14:53	N. Hurt	8260K	
1,2,3-Trichlorobenzene	no 38	ng/kg ng/kg	0.0015	0.0012		7/ 2/99	14:53	N. Hurt	8268B	5824
1,2,4-Trichlorobenzene	по Н 0	ng/leg wa/leg	0.0015	0.0012	1		14:53	H. Hurt		5824
i,1,1-Trichlorosethane		ng/kg		0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
	no HD	ng/kg	0.0015		3.	7/ 2/99		X. Hurt	8260K	5824
l,1,2-Trichloroethane Trichloroethane	HD On	ng/kg ng/kg	0.0015 0.0015	0.0012 0.0012	1	7/ 2/99 7/ 2/99	14:53	X. Hurt X. Hurt	8260B 8260B	5824 5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94983

Sample ID: SB-8

Page 4

Analyte	Result	Units	Report Limit	Quan Linit	Dil Factor	Date	Tine	Analyst	Method	Ratch
1,2,3-Trichloropropane	WD CK	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,2,4-Trinethylbenzene	80	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	X. Hort	8260E	5824
1,3,5-Trimethyldenzeme	ЯD	ng/kg	0.0015	0.0012	1	77 2/99	14:53	N. Hurt	8260E	5824
Vingl chloride	HD	ng/kg	8,0015	0.0012	1	77 2799	14:53	X. Hurt	8260K	5824
Xylenes	HD	ng/kg	0.8015	0.0012	1	77 2/99	14:53	X. Hurt	8260B	5824
Bromodichloromethame	HD	ng/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8268B	5824
Trichlorofluoromethame	14[]	ng/kg	0.0015	0.0012	1	77 2799	14:53	M. Hurt	8260W	5824
*GENERAL CHEMISTRY PANAME	TERS#									
X Dry Weight	82	2			1	7/ 1/99	11:19	Fitzwater	CLP	3154

MD = Not detected at the report limit.

Sample Extraction Data

Paraneter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
©MA's	30.0 gH	1.0 ml	\$/3 8/99	Fitzmater	3550
Volatile Brganics	0.0 g	5.0 ml	\$/23/99	W. Wurt	5035

Surrogate	% Recovery	Target Range
40 (c) we will derive a large		
surr-1,2-bioblorsetbase, 44	137.	48 160.
surr-Toluene dS	119.	79 119.
surr-4-Gronofluorobeazeae	78.	69 135.
surr-BibronoFluoremethame	118.	63 135.
surr-Hitrobenzene-US	51.	20 110.
surr-2-fluorobiphengl	57.	18 110.
surr-Terphengl dle	67.	27 123,
sure-Phenol do	ó&.	10 111.
surr-2-Fluorophenol	31.	10 107.
surr-1,4,6-Tribromophesol	79.	14 116.

All simples have been corrected For dry weight.



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94983

Sample ID: SB-8

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodors J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424 TERESA BRAILSFORD 985A JOHNNIE DODDS BLDV 47. PLEASANT: SC 29464

Project: 9489

'roject Name: ERM Sampler: RUD TRUMAN Lab Number: 99-A94984

Sample ID: SB-7 Sample Tupe: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 17:00 Date Received: 6/26/99 Time Received: 9:00

Report asuA Dil Analyte Result Units Linit Linit Factor Date Tine Analyst Rethod Natch MEXERACTABLE ORGANICAN Acenaphihene MS: सप्रदेशव 0.398 8,336 1 77 5799 1:49 M. Soodeich 827B£ 7018 doenaghthulene #6 0.330 9, 398 ng/kg 1 77 5/99 1:49 M. Goodrich 8278C 7818 Anthracese W. ng/kg 0.398 8,330 1 7/ 5/99 1:49 A. Goodrich 8270C 7016 Genzo(a) anchracene WD. ngekg 0.398 0.330 77 5799 1 1:49 A. Soodrich 8270C 7018 Webzo(a) pyrene HD 8.378 ng/kg 0.330 ž 77 5/99 1:47 n. Soodrich 82700 7018 Nenzo(b) fluoranthene NO 0.393 ng/kg 0.330 1 77 5/79 1:49 R. Goodrich 82700 7018 Seazola, A, i) perulene M ng/kg 0.398 8, 330 3. 77 5/99 1:47 N. Scodrich 3270C 7018 Senze(k)/Fluorauthene 40 marker 8,398 9.330 1 77 5/99 1:49 ff. Soody leh 6276C 7018 4-Uromoshenulphenulether HB HORKS 8.378 8, 330 1 77 5/99 1:49 M. Goodrich 8270C 7018 Mutulierzalphthalate MD ng/kg 0.3980.330 7/ 5/99 1:49 M. Goodrich 3270C 7018 Carbarole 船 ng/kg 0.398 8, 339 7/ 5/99 1 1:47 M. Goodrich 8270C 7018 4-Chlaro-3-methylphemol MD HQ/Rq 0.3388, 330 1 77 5/99 1:49 M. Goodrich 87700 7018 4-Chloroaniliae MD Hq/kq 8,398 0.3301 77 5799 1:49 M. Goodrich 82700 7018 bis(2-Ghloroethoxy)methane 원증 Har/ka 0.398 0.330 1 77 5/99 1:49 7018 M. Goodrich 82700 bis(2-Chloroethyl)ether MD. 8, 398 Hg/kg 0.330 1 7/ 5/99 1:49 M. Goodrich 82700 7018 bis(2-Chloroisapropul)ether MD 0.398 0.330 mg/kg 1 7/ 5/99 1:49 M. Goodrick 82700 7018 2-Chlorenaphthalene 뭐; ng/kg 0,398 0.330 1 77 5799 1:49 a. Soodrich 8279C 7018 2-Chlorophenol 80 सव्/श्रेष 0.378 8,336 7/ 5/99 1 1:49 M. Soodrich 8270C 7018 4-Chlorophenylphenylether ND. He/ka 0.378 8, 338 1 77 5/99 1:49 M. Goodrich 3270C 7018 Chrissian 25 0.398 8.330 ng/kg 1 77 5/99 1:49 M. Soodrich 8270C 7018 Bibenzofuran 80 9.398 8,990 ng/kg 1 77 5/99 1:49 M. Goodrich 82700 7018 Dibenz(o,h)sathracene MD ng/kg 0.398 0.330 1 77 5/99 1:49 M. Soodrich 82700 7013 1,2-Dichlorchemiene 80 narka 0.378 8,338 1 77 5/99 1:49 M. Soodrich 82700 7018 1,3-Dichlorobenzone ND HQ/kg 8, 398 0.330 1:47 1 77 5/99 N. Scodrick 3770C 7018 1,4-Dichlorobenzene 88 0.330 સંયુર્ગ હિંદ 9, 398 1 7/ 5/99 1:49 M. Goodrich 82780 7018 1,3'-Dichlorobenzidine ar 8.795 8.568 त्तप्रदेशहरू 1 77 5/99 1:49 8270C a. Soodrich 7016 1,4-Dichlorophesol HD. ng/kg 0.398 0.330 1 7/ 5/99 1:43 M. Goodrich 8270C 7018 Distinlenthalate SD. 8.393 0.330 ng/kg 1 77 5799 1:49 M. Goodrich 82700 7018 2,4-Dimethylphenal H9 相级论证 0.378 0.330 1 77 5/99 1:49 A. Goodrich 82700 7018 Dimethalphthalate #0 8, 393 0.330 Hg/kg 1 7/ 5/99 M. Goodrich 1:47 82700 7018 Pi-m-butulphthalate HD HQ/KQ 8, 373 0.3301 7/ 5/99 1:47 M. Goodrich 8270C 7018 4.6-Dialtro-2-methylphenol HB 0.794 8,825 HIJ/KI 1 77 5799 1:49 N. Goodrich 8270C 7018 2,4-Diaitropheaul 祝 0.994 0.825 ngekog 1 77 5/99 1:49 A. Soodrich 62760 7018 2,4-diaitrotoluene ND: Hg/kg 0.370 0.338 1 7/ 5/99 1:49 A. Goodrich 8270C 7016 2,6-Diartrotoluene HD शबुर रिष् 0.396 0.330 1 7/ 5/99 1:49 7018 N. Soodrich 82700



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94984

Sample ID: 58-7

Analyte	Result	Units	Report Limit	Quan Linit	Bil Factor	Date	Tine	Analyst	Method	Kato
Ai	No.	12 to 36 -	0.200	0 220	4	7/ 5/00		M Phys. s. 4	00705	3645
Di-m-octylphthalate	4D	ng/kg	8.398	0.330	1	7/ 5/99	1:49	N. Goodrich		7018
Fluoranthese	KD	ng/kg	0.378	0.330	1	7/ 5/99	1:43	n. Goodrich	8278C	7018
Fluorene	HD	ng/kg	8.398	8.338	1	7/ 5/99	1:47	M. Goodrich	8270C	7018
Hexachlorobenzene	HD	ng/kg	0. 378	0.330	1	7/ 5/99	1:49	M. Sondrich	8278C	7818
Hexachlorobutadiene	MD	He/ka	0.398	8. 330	3	77 5/99	1:47	N. Soodrich	8270C	7018
Hexachlorocyclopentadiene	#B	ng/kg	8.398	8.930	1	7/ 5/99	1:49	Π. Soodrick		7818
Haxachlorosthans	ND.	ng/kg	0.398	0.330	1	7/ 5/99	1:49	n. Soodrich		7018
Indenc(1,7,3-cd)pyrene	MD	ng/kg	8, 378	8EE.0	ī	77 3/99	1:49	n. Goodrich	8270C	7018
Isopharane	HB	तापुरीस्य	0.378	0.990	ī	77 3/99	1:49	A. Soodrich	82700	7618
2-Methylnaphthalene	HP	ng/kg	0.378	0, 330	1	77 5/99	1:49	A. Soodrich	8270C	7018
2-Nethylphenol	He	મહુરસિંહુ	8.398	3.330	I	77 5799	1:47	ñ. Soodrich	8270C	7018
α,p-Nethylphenol	MD.	ng/kg	8.398	8,336	1	77 5799	1:49	n. Soodrich	8278C	7018
Haphthalone	H\$	ng/kg	0.398	0.330	1	77 5799	1:49	N. Soodrich	8278C	7818
2-Mitropalline	ND	ng/kg	0.774	0.625	1	77 5/99	1:49	M. Soodrich	8278C	7818
3-Hitroanilise	HD	ng/kg	8,774	8,825	2	77 5799	1:49	M. Goodrich	8270C	7018
4-Bitrossiline	ЙD	ng/kg	8.994	0.825	1	77 5/99	1:49	M. Goodrich	8270C	7018
Mitrobenzene	MD	ng/ka	0.398	8.330	1	7/ 5/99	1:49	M. Goodrich	8270C	7018
2-Mitropheaol	WB	ng/kg	8, 398	8.990	1	77 5/99	1:49	M. Soodrich	8270C	7018
4-Mitrophenol	HI)	нg/kg	0.794	0.825	1	77 5/99	1:49	M. Soodrich	8278C	7018
N-mitrosodi-m-propulamime	MD	ng/kg	0.398	0.330	1	77 5/99	1:49	M. Goodrich	8278C	7018
A-mitrosodiphemylamine	HD:	ng/kg	0.398	8.338	1	77 5799	1:49	N. Goodrich	8278C	7018
Pentachioropheaol	AD-	ng/kg	0.994	0.625	1	77 5/99	1:49	N. Goodrich	8278C	7018
Phenanthrone	NO	ng/kg	0.398	0.330	1	77 5799	1:49	M. Goodrich	8270C	7018
Fhenol	HD	ng/kg	8.398	8,338	1	77 5/99	1:49	N. Goodrich	8270C	7018
Pyrena	A6	ng/kg	8.398	0.330	1	77 5/99	1:49	M. Goodrich	8278C	7016
Dis(2-athylhexyl)phthalate	HB.	ng/ky	0.398	8.338	i	7/ 5/99	1:49	ff. Soodrich	8278E	7018
1,2,4-Trichlorobenzene	HD	ng/kg	0.398	8.898	1	7/ 5/89	1:49	M. Goodrich	6278C	7016
7,4,5-Trichlorophenol	HD	ng/kg	8.794	8, 325	1	7/ 5/99	1: 47	M. Goodrick	8270C	7018
2,4,6-Trichlorophenol	MD	ng/kg	0. 398	8, 330	1	7/ 5/99	1:49	n. Goodrich	8270C	7018
MUDLATILE DESAMICEM										
Acetose	HD	ng/leg	8,6824	0.0100	58	6/27/99	29: 34	H. Hurt	82688	5824
Beazeae	40	ng/kg	0.1205	9,9929	50	6/27/99	23: 34	N. Hort	82608	5624
Stronohessene	MD	ng/kg	0.1205	8,0926	50	6/27/99	23: 34	N. Hurt	82808	5814
Uronochloromethane	MD	। ५५% हा	0.1205	0.0020	50	8/27/99	23: 34	H. Hurt	8260E	5824
В гоно ботн	HD	ng/kg	0.1205	0.0020	58	6/27/99	29: 34	N. Hurt	82608	5824
Uronomethune	ND	ng/kg	0.1205	0.0100	50	6/27/99	23: 34	N. Hurt	8260R	5874
2-Instance	HD GK	нд/%д	0.8074	0.0100	50	8/27/99	23: 34	H. Hurt	87800	5824
a-Nutylbeazene	የ ይ	អច្ច/kg	8,1285	0.0020	50	6/27/99	23: 34	M. Hurt	8260H	5824
ses-Butgibenzene	HD	ngekg	0.1205	0.0020	50	6/27/99	23: 34	N. Hurt	82688	5824
t-ButqIbenzene	XD:	ng/kg	0.1205	8.8928	50	6/27/99	23: 34	N. Kurt	8260B	5824
Carbon disulfide	HB	ng/kg	0.1205	0.0020	50	6/27/99	23: 34	A. Hurt	82608	5824
Carbon becrachluride	Hill	adiga di	0.1205	0.0020	50	6/27/99	23: 34	N. Hurt	82608	5824
Salorobeameae	HD	ng/kg	0.1205	3.8928	50	6/27/99	29: 94	N. Hurt	8260B	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A74984

Sample ID: SB-7

nalyte		llnite	Report	RUBB Histh	DIL		71			
Analyte	Result	Units	Linit	Limit	Factor	Date	Tine	Analyst	Nethod	Ratel
Inloroethane	HO	ngelleg	0.1285	0.8028	50	6/27/99	23: 34	H. Hurt	8260B	5824
l-Chloroethylvinylether	HO	ng/log	0.1205	0.0020	50	6/27/99	23: 34	N. Hurt	82608	5824
Caloroforn	HD:	ng/kg	0.1205	6.0620	50	6/27/99	23: 34	N. Hurt	8260B	5824
Chloromethane	MD	ng/kg	8,1285	0.0100	50	8/27/99	23: 34	M. Hurt	8260E	5814
2-Chlorotoluene	MD	ng/kg	0.1205	0.0020	50	6/27/99	23: 34	H. Hurt	8780II	5874
4-Chlorotoluene	# 8	ng/kg	0.1205	0.0020	50	6/27/99	23: 34	N. Hurt	82606	5824
1,2-Bibrono-3-chloropropane	HD OR	ng/kg	0.6024	0.0100	58	6/27/99	23: 34	A. Hurt	82608	5824
DibromochLoromethane	HD	ng/kg	0.1205	0.0020	50	6/27/99	23: 34	N. Hurt	826BB	5624
i,2-Dibromoethame	MD	ng/kg	0.1205	0.0020	50	6/27/99	23: 34	N. Hurt	82600	5824
Mibronomethane	Ю	ng/kg	0.1205	0.0020	50	8/27/99	23: 34	R. Hurt	826010	5824
1,2-Gichlorobenzene	ND	ng/kg	0.1205	9.0820	50	6/27/99	23: 34	H. Hurt	82608	5824
1,3-Dichlorobenzene	NO	ngelog	0.1205	8,6820	58	8/27/99	23: 34	N. Hort	82688	5824
1,4-Dichlorobenzene	ND	ng/kg	0.1205	0.0020	58	6/27/99	23: 34	R. Hurt	82600	5824
Dichloradifluoromethame	MD	ng/kg	0.1205	0.0020	50	8/27/99	23: 34	M. Hurt	8260K	5824
L.1-Gichloroethane	HD.	ng/kg	B.1295	0.0020	50	6/27/99	23: 34	H. Hort	8260B	5824
i,2-Dichloroethane	48°	ng/kg	0.1205	6.0020	58	6/27/99	23: 34	N. Hurt	82688	5824
L,1-Dichloroethene	HD.	ng/kg	0.1205	8.0020	50 50	6/27/99	23: 34	N. Hurt	82608	5824
pis-1,2-Dichloroethene	0.1807	ngcag ng/kg	0.1205	9.0928	58	8/27/99	23: 34	M. Hurt	87600	5824
trans-1,2-Bishlovoethene	H9	ng/ka	0.1105 0.1205	0.8820	50	6/27/99	23: 34	H. Hurt	8268B	5824
1,Z-Dichloropropane	MD	ng/ka	9.1265	0.0020	58	6/27/99	23: 34	M. Hurt	8260D	5824
L,3-Dichloropropane	ND ND	ng/kg	0.1205	0.0020	50	6/27/99	23: 34	M. Hurt	8268B	5824
2,2-Dichleropropane	MD	ng/kg	0.1205 0.1205	0.0020	50	6/27/99	23: 34	M. Hurt	8250D	5824
1,1-Dichloropropens	ND ND	ng/kg	0.1205	8.8820	50	6/27/99	23: 34	M. Hurt	8260K	5824
cis-1,3-Dichloropropene	HD	ng/kg	8.1205	8,8820	58	6/27/99	23: 34	N. Hert	8260B	5824
trans-1,3-Dichloropropene	H0	ng/kg	0.1205	0.0020	50 50	6/27/99	23: 34	N. Hurt	8260B	5824
Chqibeazeae	ЖВ Vo	मग्रे\हर्से एउनेर कर्ने	0.1205	0.0020	50 50	6/27/99	23: 34	N. Hurt	8260B	5824
dexachlorobotadiene	HD	ngeng ngeng	8.1295	8.0020	50 50	6/27/99	23: 34	n. nort N. Hurt	8260B	5824
L-Kexanone L-Kexanone	90 vv	ngeng	0.1205	0.0020	58	6/27/99	23: 34	H. Hurt	8268B	5824
Esopropylbenzene	HD an	- "	0.0024	0.0200	50	6/27/99	23: 34	n. nort N. Hurt	62600	5824
H-leopropyltoluene	ND no	ng/kg	0.1205	0.0020	56 58	8/27/99	23: 34	a. more X. Hert	3250K	5824
4-Methyl-Z-pentanone	ND ND	ng/kg marka	0. 5024	0.0108	20	8/27/99	23: 34	H. Hurt	8260E	5874
tethilese chloride	30	HG/KG	0.6024	0.0100	58	\$/27/99	23: 34	K. Hurt	8760K	5824
abathalana Arathalana	1.241	ng/kg ng/kg	0.3314	8.8028	58	6/27/99	23: 34	R. Hurt	8260B	5824
r-Proggi benzens	HD	ng/kg	0.1205	0.0020	58	6/27/99	23: 34	H. Hurt	8260B	5824
styrene	ND	ng/kg	0.1205	0.0020	50	\$/27/99	23: 34	K. Hurt	8260U	5874
1,1,1,2-Tetrachlorcethase			8. 1285	8. 8828	50		23: 34		8260B	5824
1,1,2,2-Tetrachloresthams	HD HD	ng/kg ng/kg	0.1205	0.0020	50 50	6/27/99		M. Hurt M. Hurt	6260B	5824
(etrackloroethese	45 45	ngery ng/kg	0.1205	0.0020	50 50	6/27/99		a. nore M. Hurt	8268B	5824
iorneus rectoniminament	nv HB		0.1205 0.1205	9.3020	58	6/27/99		n. nore N. Hurt	8260B	5824
rozoema 1,2,3-Trichlarobenzene	HD	ng/kg wa/ka	0.1205	0.0020	58	8/27/99		n. nore X. Hurt	8260U	5824
• •		HQ/Kg HQ/Kg	0.1283 8.1285	0.0020	58 58	8/27/99		m. nort M. Hurt	8260R	3874
1,7,4-Trichlorobenzene	HD Som	ng/kg Hadia				6/27/99				
l,1,1-Trichloroethane l,1,2-Trichloroethane	WD un	ng/kg	0.1205	9.0020 n.naza	50 50			W. Hurt	8260B	5824
4.14.1471710R10F09CR3R6	संध	ngekg	0.1205	0.0020	50	6/27/99	23.34	N. Hurt	82600	5824 5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94984

Sample ID: SB-9

Page 4

Analyte	Result	Units	Report Linit	Ruan Linit	DII Factor	Date	Tine	Analyst	Method	Batch
1,2,3-Trichloropropase	MD	ng/kg	8. 1205	9,0020	50	6/27/99	23: 34	N. Hurt	8260R	5824
1,7,4-Trinethylbenzene	8.4277	ие/ke	0.1205	0.0020	58	\$/27/99	23: 34	M. Hurt	8260E	3824
1.3.5-Trimethylbenzene	#B	ng/kg	0.1205	8.6020	50	6/27/99	23: 34	N. Hurt	8260B	5824
Vingl chloride	HD	ng/kg	0.1205	0.0020	50	6/27/99	23: 34	N. Hurt	82600	5824
Xylenes	HD	ng/kg	0.1205	0.0020	58	6/27/99	23: 34	M. Hurt	87600	5824
Bromodichloromethage	HG:	सबु/दिखु	0.1205	9,0020	56	6/27/99	23: 34	N. Hurt	82608	5824
Trichlorofluoromethame	MD	ng/kg	0.1205	8.6926	50	8/27/99	23: 34	H. Hurt	8250N	5824
MEEHERAL CHENISTRY PARAME	TERSE									
% Dry Weight	83_	7.			1	7/ 1/99	11:19	Fitzwater	CLF	3154

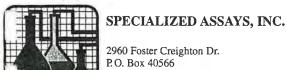
HD = Hot detected at the report limit.

Sample Extraction Data

? बर बस ्ट रंडर	Ht/Vol Extracted	Extract Vol	Date	Analyst	Method
The second section is the second section and second section section			and the same and are		
WA'5	30.0 gH	1.0 ml	6/30/99	Fitzuater	3550
Volatile Organics	5.8 g	5.8 nl	6/23/99	N. Hurt	5035

Surrogate	% Recovery	Target Range
		are and convent too last any only that had the
surr-1,2-Bichloroethame, 44	77.	48 160.
surr-Toluene dG	103.	79 119.
surr-4-Gronofluorobenzene	87.	67 135.
surr-Dibromofluoromethame	73.	63 135.
surr-Mitrobenzage-d5	56.	28 118.
surr-2-fluorobiphenyl	68.	13 119.
surr-Terphenyl d14	73.	27 123.
surr-Phenol d5	74.	10 111.
surr-2-Fluorophenol	3 % .	10 107.
curr-2,4,6-Tribromophenol	87.	14 119.

All samples have been corrected for dry weight...



2960 Foster Creighton Dr. Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94984

Sample ID: SB-9

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

FESTAMERICA/HYDROLOGIC-CHARLE 8424

TERESA BRAILSFORD

785A JOHNWIE DODDS BLDV 1T. PLEASANT, SC 29464

Project: 9489

Project Name: ERM Sampler: ROD TRUMAN Lab Number: 99-A94985

Sample ID: SB-10 Sample Type: Soil

Site ID:

Date Collected: 6/23/99 Time Collected: 17:25 Date Received: 6/26/99

Time Received: 7:00

				Report	สัยอสิ	Dil					
Analyte .		Result	Units	Linit	Limit	Factor	Date	Time	Analyst	Nethod	Bato
	******	*********				-					
AEXTRACTABLE ORGA	Hieza										
Acenaphthene		HD OH	ng/kg	8,456	0.930	1	77 5/99	2:26	A. Soodrich	8270C	7018
Acenaphthylene		78°	ng/kg	8,458	8.358	1	77 5799	2:26	N. Goodrich	8278C	7018
Rathraceae		HD:	ng/kg	0.458	9,339	1	77 5799	2:26	M. Soodrich	8278C	7918
Denzo(a)anthracen	មី	粉	સફર્/ભુ	0.458	0.930	1	77 5/99	2:26	N. Soodrick	8270C	7018
lenzo(a) parene		KD	ng/kg	8, 458	8, 330	1	77 5799	2: 26	M. Goodrich	8270C	7018
Genzo(b) Fluoranta	989	MD.	ng/kg	0.458	0.330	1	77 5799	2: 26	M. Goodrich	8278C	7018
Genzo(g,h,i)perul	ene	ИD	ng/kg	0.458	8, 338	1	77 5799	2:26	M. Goodrick	8270C	7018
Benzo(k)fluoranth	ene	HD:	ng/kg	8,458	0.990	1	77 5799	2: 26	N. Soodrich	8278C	7018
4-Uronophenylphen	ulether	HD	ng/kg	8, 458	0.338	1	77 5799	2: 26	M. Soodrich	8270C	7019
Mutulbeszulpáthal	-	HD	ng/kg	0.458	0, 330	1	77 5/99	2:26	M. Soodrich	8270C	7018
Carbazole		HD	ng/kg	0.459	0.330	1	77 5/99	2: 26	M. Goodrich	8270C	7018
4-Chloro-3-methyl	lonedq	HD	ng/kg	0, 458	0.330	1	7/ 5/99	2: 26	M. Goodrich	3270C	7018
4-Chlorosmiline	•	ЖD	nq/kq	8.458	0.330	1	77 5/99	2: 26	M. Goodrich		7018
bis(2-Chloroethox	enedien(y	HD	ng/kg	8, 458	8.338	1	7/ 5/99	2: 26	M. Goodrich	8270C	7018
ais(2-Chloroethgl	-	46	ng/kg	8,456	8, 338	1	7/ 5/99	2:26	A. Soodrich		7618
bis(2-Chloroisopr		HD	ng/kg	8, 458	8.330	1	77 5/99	2:26	M. Soodrich		7018
2-Chloronaphthale	• • •	HE	ng/kg	8,458	8,338	1	77 5/99	2:26	M. Goodrich	8270C	7010
l-Chlorophenol		HD	ng/kg	9, 458	0.330	1	7/ 5/99	2:26	M. Soodrich		7018
4-Chlorophenylphe	nulether	HP	ng/kg	8,458	9, 930	1	7/ 5/99	2:26	M. Goodrich	8270C	7018
Chrasene	-	ЯĎ	ng/kg	0.450	8.330	1	7/ 5/99	2: 76	M. Goodrich	8278C	7018
Sibenzoforan		HD	ng/kg	0.456	0.330	1	77 5/99	2: 26	N. Goodrich	8278C	7018
Dibenz(a,b)anthra	cese	HD	ng/kg	0.458	0.330	1	77 5/99	2: 28	B. Goodrich	8270C	7818
1,2-Cichlorobenze		HD	ng/kg	8, 458	8, 330	1	7/ 5/99	7: 26	M. Goodrich	8270C	7018
1,3-Bichlorobenze	ne	#D	ng/kg	0.458	8, 330	1	77 5/99	2:26	ff. Goodrich	8270C	7018
1,4-Dichlorobenze		HO	ng/kg	8,458	0.330	1	7/ 5/99	2:26	N. Coodrich	8270C	7916
1,3°-Dichlorobenz	idine	HD	ng/kg	8.917	0.660	1	77 5/99	2: 26	n. Soodrich	8278C	7818
2,4-Dichlorophead		HD	Hq/kq	0.458	0.330	1	7/ 5/99	2: 26	M. Goodrich	8270C	7018
)iethqlphthalate		HD	ng/kg	0.458	8,338	1	77 5/99	2:26	M. Soodrich	8270C	7818
2,4-Dimethylpheno	I	HD	ng/kg	0.458	0,330	1	7/ 5/99	2:26	M. Goodrich	8270C	7018
)imethylphthalate		11 0	ng/kg	8, 458	0.330	1	7/ 5/99	2:26	M. Goodrich	8270C	7018
di-m-butylphthala	te	HD	ng/kg	8, 458	8, 338	1	7/ 5/99	2: 26	M. Goodrich	8278C	7018
4,6-Dimitro-2-met		פא	ng/kg	1.15	0.325	1	7/ 5/99	2: 26	M. Goodrich	8270C	7018
1,4-Dimitrophenol	g 1	ND	ng/kg	1.15	0.825	1	7/ 5/99	2:26	M. Soodrich	8270C	7018
2,4-diaitrotoluea	ā	ek GK	ng/kg	6, 458	8.338	1	7/ 5/99	2:26	n. Soodrich	8278C	7016
2,6-Dimitrotoluem		HD	ng/kg	0.456	0.330	1	77 5799	2:26	M. Soodrich		7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94985

Sample ID: SB-10

Analyte	Result	Units	Report Linit	Quan Linit	Dil Factor	Date	Tine	Analyst	Rethod	Nato
									~~~~	
Gi-a-octylphthalate	HO	ng/kg	0.458	0.330	1	7/ 5/99	2: 26	M. Goodrich	8270C	7018
Fluoranthene	HD	ng/kg	8,458	8.338	1	77 5/99	2:26	ff. Soodrich	8270C	7018
Floorens	HB	ng/kg	0.456	8.330	1	77 5/99	2:26	M. Soodrich	8278C	7818
dexachlorobenzene	KD	нд/Нд	8,458	0.330	1	7/ 5/99	2: 26	n. Goodrich	3270C	7018
Hexachlorobutadiene	KD	ng/kg	8, 458	0.330	1	77 5/99	2: 28	M. Goodrich	8278C	7018
exachlorocyclopentadiene	KD 0%	ng/kg	8, 458	8, 330	1	7/ 5/99	7: 76	n. Soodrich	3270C	7018
desachloroethame	380)	ng/kg	0.458	0.330	1	77 5/99	2: 26	M. Soodrich	3278C	7018
Indemo(1,2,3-od)pyreme	ND GK	нд/кд	0.458	Ø. 330	1	77 5/99	2: 26	M. Goodrich	8270C	7818
Isophorone	ND	ng/kg	8, 458	0.330	1	7/ 5/99	2: 76	n. Goodrich	8270C	7818
2-Methylmaphthalene	HD	Hg/kg	0.453	8.338	1	77 5/99	2: 26	M. Goodrich	3278E	7018
7-Methylphenol	HD	ng/kg	0.458	8, 336	1	7/ 5/99	7: 76	A. Goodrich	8270C	7018
+,p-Methylphenol	HD	ng/kg	0.458	0.330	1	7/ 3/99	2: 76	M. Seedrich	8270E	7018
Raphthalese	ND	ng/kg	0.458	8.338	1	7/ 5/99	2: 76	N. Goodrich	8270C	7018
2-Nitroppiline	HD	ng/kg	1.15	9.825	1	7/ 5/99	2: 26	M. Goodrich	8270C	7018
3-Mitroamiline	ND	ng/kg	1.15	0.825	1	7/ 5/99	2:26	M. Goodrich	8270C	7018
-Hitraaniliae	HB	ng/kg	1.15	8.825	1	7/ 5/99	2:26	A. Soodrich	8278C	7018
titrobenzene	MD	ng/kg	0,458	0.330	1	7/ 5/99	2: 26	M. Goodrich	8270C	7018
2-Hitrophenol	KD	ng/kg	0.458	0.330	1	77 5/99	2: 26	M. Goodrich	8270C	7018
1-Nitrophemol	HD	ng/ka	1.15	9.825	1	7/ 5/99	2:26	M. Soodrich	8270C	7018
d-mitrosodi-m-propylamine	<del>20</del>	ng/kg	0,458	0.930	1	7/ 5/99	2:26	M. Soodrich	8270C	7018
d-mitrosodiphenulamine	HD.	ng/kg	0. 458	0.330	1	7/ 5/99	2: 76	M. Goodrich	8270C	7018
Petachlorophemol	MD)	ng/kg	1.15	0.825	1	77 5799	2: 26	n. Goodrich	8270C	7818
Phenanthrene	HD D	ng/kg	8.458	0.330	1	7/ 5/99	2: 26	M. Goodrich	8278C	7018
thenel	HD GH	ng/kg	0.458	0.330	1	7/ 5/99	2:26	M. Goodrich	8270C	7018
Fyrens	MD.	ng/kg	0.458	0.330	1	7/ 5/99	2: 28	M. Goodrich	8270C	7018
Us(2-ethylhexyl)phthalate	HD	ng/kg	8, 458	0.330	1	7/ 5/99	2: 26	M. Goodrich	8270C	7818
1,2,5-Trichlorobenzene	HD GR	ng/kg	0.458	0.330	1	7/ 5/99	2: 26	n. Seedrich	8270C	7018
1,4,5-Trichlerophenol	ЖÐ	ng/kg	1.15	0.825	1	7/ 5/99	2:26	M. Soodrich	62700	7018
2,4,6-Trichlorophenol	HD	ng/kg	0.458	0.330	1	7/ 5/99	Z: 28	n. Goodrich	8278C	7818
WULATILE DEGANICSA										
Poetone	MD	ng/kg	0.0088	0.0063	1	6/28/99	0:08	X. Hurt	82608	5824
(enzene	XD GK	ng/kg	0.0018	0.0013	1	8/28/99	0:08	H. Hurt	8260B	5824
Gronabenzene	MD	ng/kg	0.0013	0.0013	1	\$/28/99	0:08	N. Hurt	8760E	5824
Promochioromethame	<del>110</del>	ng/kg	0.0018	0.0013	1	6/28/99	0:08	H. Hurt	82688	5824
ใกละกับแล	HB.	ng/kg	0.0018	0.0019	1	6/28/99	0:08	N. Hurt	8248B	5824
( <del>ronose</del> thane	ЖÐ	ing/kg	0.8013	8.0013	1	6/28/99	8: 88	H. Hurt	8260R	5824
-Nutanone	WD CK	ng/kg	0.0033	0.0063	1	6/28/99	8:83	K. Hurt	3260K	5824
-Butylhenzene	HG	ng/kg	3.0018	0.0013	1	6/28/99	0:08	H. Hurt	8260B	5824
iec-Sutginenzene	HD	ng/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	82608	5824
-Butglbenzene	HD.	ng/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8760R	5824
Carbon disulfide	0. 0207	ng/kg	0.0013	0.0013	1	5/28/99	6: 08	H. Hurt	3760E	5874
larhou tetrachloride	ND	ng/kg	0.8018	0.0013	1	6/28/99	0:06	H. Hurt	8260B	5824
inlorobenzene	ND.	ng/kg	0.0018	0.0013	1	6/28/99	0:06	H. Hurt	8260B	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 99-A94985

Sample ID: SB-10

Analyte	Result	Units	Report Limit	Quae Linit	011 Factor	Date	Tine	Analyst	Method	Batch
			******		******					
Calorosthans	HD	ng/kg	0.0018	0.0013	1	6/28/99	0:08	X. Hurt	82608	5824
2-Chloroethylvinglether	KO	ng/kg	0.0013	0.0013	1	5/28/99	9: 93	8. Hurt	82600	5824
Chloroforn	MD	ng/kg	0.0013	0.0013	1	8/78/99	0:08	M. Hurt	82608	5874
lalorometasme	<b>MD</b>	ng/kg	8.0018	0.0013	1	6/28/99	8:06	N. Hurt	82608	5824
7-Chlorotolusae	MD	ng/kg	E100.0	8,0013	1	8/28/99	0:08	H. Hurt	8250B	5874
4-Chlorotolesas	HD	ng/kg	0.0013	0.0013	1	8/28/99	0:08	H. Hurt	82800	5874
emegosgosoldo-6-ondsdes, f	AD.	ng/kg	9.6988	0.0063	1	6/28/99	0:08	H. Hurt	82608	5824
%:bromochloromethame	ND	нд/кд	9.0016	0.0013	1	6/28/99	0:08	R. Hort	62406	5824
1,Z-Dibronoethane	MD	ng/kg	0.0018	0.0013	1	8/28/99	8:08	H. Hurt	82680	5874
Olbronomethape	MD	ng/kg	9,0013	0.0013	1	8/28/99	0: 88	M. Hurt	826BU	5824
1,2-Dichlorobenzene	HD	nq/ka	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	6260B	5824
1,3-Dichlorodenzene	MD	ng/kg	0.0018	0.0013	1	8/28/99	0:08	N. Hurt	8260K	5824
1,4-Dichlorobenzene	HD CH	ng/kg	0.0013	6.0013	1	8/28/99	0:08	H. Hurt	8268R	5824
Dichlorodifluoromethame	ND	ng/kg	0.0013	0.0013	1	6/28/99	8: 88	N. Hurt	8260B	5824
1,1-Dichloroethame	HD:	ng/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
i,2-Dichloroethane	MD C	ng/kg	0.0010	0.0013	1	6/28/99	0:08	H. Hurt	82608	5824
i,1-Vichloroetheme	HO	ng/kg	0.0018	0.0013	1	6/28/99	0:08	H. Hurt	82608	5824
dis-1,2-Bichloroethene	HD	ng/kg	8,0818	0.0013	1	6/28/99	0:08	N. Hurt	3260E	5824
trans-1,2-Bishloroethene	<del>110</del>	ng/kg	0.0019	0.0019	1	6/28/99	0:06	ä. Hurt	8260B	5824
i,2-Gichlorograpane	HD	ng/kg	8.0018	8.8013	1	4/28/99	0:08	N. Hurt	8260B	5824
i,3-Dicaloropropose	414	ng/kg	0.0018	0.0013	1	8/28/99	0:08	H. Burt	8280E	5824
7.2-Dichloropropane	HD	ng/kg	0.0018	0.8813	1	8/28/99	0:08	M. Hurt	8280K	5824
i.i-Dichloroprogene	<del>11</del> 8	ng/kg	0.0018	0.0013	1	6/28/99	0:06	N. Hurt	8260B	5824
cis-1,3-Dichloropropene	HD	ng/kg	8.0018	0.0013	1	\$/28/99	0:08	X. Hurt	8260K	5824
trams-1,3-Dichloropropeme	HD	ng/kg	0.0010	0.0013	3.	8/28/99	0:08	H. Hurt	8250B	5824
Ethylbenzene	HD	ng/kg	0.0018	0.0013	1	8/28/99	0:08	M. Hurt	8260B	5824
dexachlorobutadiene	HD	ng/kg	0.0016	0.0013	1	6/28/99	0:08	M. Hort	8260K	5824
1-Hexanone	48 118	udr _i ķā	0.0068	9.0063	1	6/28/99	0:08	H. Hurt	62688	5824
Esoprogulbeazene	10	ng/kg	0.0018	0.0013	1	6/28/99	0:06	N. Hurt	82608	5824
9-Isopropoltoluene	HD	ng/kg	0.0016	0.0013	1	6/28/99	0:06	N. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	ng/kg	8.0093	0.0063	1	8/28/99	0:08	R. Hurt	8260E	5824
dethylene chloride	HD	ng/kg	0.0088	0.0063	1	6/28/99	8: 88	K. Hurt	8260K	5824
Haphthalene	40	ng/kg	0.0016	0.0013	1	6/28/99	0:08	H. Hurt	82608	5824
s-Propylbenzone	MD	PANER	0.0018	0.0013	1	8/28/99	0:08	H. Hurt	87680	5824
Styrene	HD.	ng/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	3260K	5824
1,1,1,2-Setrackloroethane	HD	Hd/(cd	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	6260B	5824
L,1,2,2-Fetrachloroethame	HD.	ng/kg	0.0018	0.0013	1	6/28/99	0:06	N. Hurt	8268B	5824
Tetrachioroethene	ND	ng/kg	9.0016	8.0013	1	6/28/77	0:06	X. Hurt	6260B	5824
ังใ <del>บะ</del> ละ	ND	ng/kg	8,0018	0.0013	ī	6/28/99	0:08	W. Hurt	8250K	5824
1,2,3-Trichlorobenzene	9D	ng/kg	6,0018	0.0013	1	8/28/99	0:08	H. Hurt	8260R	5824
1,2,4-Tricklorobenzese	40.	ng/kg	0.9918	0.0013	1	6/28/99	0:08	N. Hurt	6260B	5824
L,1,1-Trichloroethane	HB HB	ng/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,1,2-Trichloroethase	HD	ng/kg	0.0013	8.0013	1	6/28/99	0:08	N. Hurt	8260E	5824
richloroethene	MD MD	ng/kg	0.0013	0.0013	1	6/28/99	0:08	N. Hort	87608	3824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 99-A94985

Sample ID: SB-10

Page 4

Gaalyte	Result	Units	Report Linit	Auan Linit	DII Factor	Pate	Time	Analyst	Method	Batch
1,2,3-Trichlerepropane	HD	ng/kg	0.0013	0.0013	1	6/28/99	0:08	R. Burt	8260B	5824
1,2,4-Trinethylbenzene	He	ng/ka	0.0018	0.0013	1	6/28/99	0:08	H. Hurt	8268B	5824
1,3,5-Trinethylbenzene	űk	ng/kg	0.6618	0.0013	1	8/28/77	0:08	8. Hurt	3260K	5824
Vingl chloride	1955	Hq/kq	8.6018	8,0013	1	8/28/99	8: 88	N. Hurt	82608	5824
Kylanes	45	ng/kg	0.0018	0.0013	1	6/28/99	8:96	H. Hurt	82688	5824
Gromodichloromethame	ND	ng/kg	0.0018	0.0013	1	6/28/99	8: 88	N. Hert	82608	5824
Trichlorofluoromethame	НО	ng/kg	0.0018	0.0013	1	6/28/99	0:08	R. Hurt	8260I/	5824
MGENERAL CHEMISTRY PARAME	TERS#									
2 Dry Weight	72.	7.			1	7/ 1/99	11:19	Fitzuater	CLP	3159

HD = Not detected at the report limit.

#### Sample Extraction Data

Paraneter	Wt/Vol Extracted	Extract Vol	Date	Analyst	hethod
SWA's	58.8 gn	1.0 ml	6/30/99	Fitzmater	3550
Polatile Brganics	7.9 g	5.0 ml	8/23/99	N. Hurt	5035

Surrogate	% Recovery	Target Range
	and safe size part yet that the safe size	THE REPORT OF THE PERSON AND ADDRESS OF THE PERSON
surr-1,2-bichloroethame, dq	99.	48 160.
surr-foluene d3	71.	79 119.
surr-4-Uromofluorobenzene	36.	67 135.
surr-Gibromofluoromethame	85.	63 135.
surr-Mitrobenzene-45	51.	20 110.
surr-I-Fluorobiphengl	67.	18 110.
surr-Terphengl did	<i>\$</i> 7.	27 128.
surr-Phenol 45	79.	10 111.
surr-2-Fluorophenol	35.	10 107.
surr-2,4,6-Tribromophenal	27.	14 110.

All samples have been corrected for dry weight.

2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 99-A94985

Sample ID: 5B-10

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424 TERESA BRAILSFORD 785A JOHNNIE DODDS BLDV MT. PLEASANT, SC 27464

Project: 9489

Project Mame: ERM Sampler: ROD TRUMAN Lab Number: 77-A74986

Sample ID: SB-11 Sample Type: Soil

Site ID:

Date Collected: 6/24/99 Time Collected: 10:30 Date Received: 6/26/99 Time Received: 9:00

			Report	asua	Dil			A THE PARTY OF		
Amalyte 	Result	Units	Limit	Limit	Factor	Date	Tine	Analyst	Method	Hato:
MEXIFECTABLE DESCRICTM										
Aceasyathene	報整	ng/kg	0.384	0,330	1	77 5/99	3:83	M. Goodrich	8270C	7018
Acenzahthyiene	48	ngelog	0.384	0.960	1	7/ 5/99	3:03	M. Goodrich	8278E	7018
Anthracana	No	ng/kg	0.384	0.990	1	77 5/79	3:83	A. Goodrich	82780	7018
Denzo(a)anthracene	HD	ngelog	0.384	9,990	1	77 5799	3:03	M. Soodrich	8270E	7018
Senzo(a)pgrene	25	शक्र∕रेख	0.384	0.930	1	77 5799	3:03	ñ. Goodrich	8278C	7018
Deszoid)Fluorasthese	MD	ng/kg	0.384	0.330	1	77 5799	3: 83	N. Goodrich	8270C	7018
Banzo(q,k,i)perqiana	HD.	ng/kg	8.384	8.338	1.	77 5/99	3: 83	M. Goodrich		7018
Menzo(k) Fluorantheme	MD	ng/kg	0.384	0.330	1	77 3799	3: 03	H. Goodrich	3270C	7018
4-Uronophenulphenulether	HD OH	Hd/kd	0.384	8, 330	1	7/ 5/99	3: 03	M. Goodrich	3278C	7018
Butylbenzsiphthalate	ND	ng/kg	0.384	0.336	1	7/ 5/99	3:03	N. Goodrich	8270C	7016
Carbarole	HD	ng/kg	0.384	0.330	1	77 5/99	3: 83	M. Soedrich	8270C	7018
4-Chioro-3-methylphenol	सह	त्तपुरीरच	9,384	0.330	1	77 5/99	3:03	M. Goodrich	8270C	7616
4-Chloroamiline	NO	ng/kg	0.384	0.330	1	7/ 5/99	3: 83	ff. Goodrich	6270C	7016
bis(2-Chloroethoxy)methane	HD	ng/kg	8, 384	8.330	1	7/ 5/99	3: 93	M. Goodrick	8270C	7018
bis(2-ChloroethqL)ether	HD	ng/kg	0.364	8, 350	1	7/ 5/99	3: 93	N. Goodrich	8278C	7616
bis(2-Chloroisopropyl)ether	AC	ng/kg	0.364	8.930	1	77 5/99	3: 03	M. Soodrich	8278C	7018
2-Chloronaphthalene	NO	ng/kg	0.384	0.590	1	7/ 5/99	3:03	M. Goodrich	8278E	7016
2-Chlorophenol	HD:	ng/kg	0.384	0.330	1	7/ 5/99	3: 83	R. Goodrich	8278C	7018
4-Chlorophesglphenglether	M6	ng/kg	0.384	0.330	1	7/ 5/99	3:03	M. Soodrich	8278£	7018
Carusase	40 	nds, jed	9.584	0.330	1	77 5/99	3:03	ff. Soodrich	8278C	7018
Oldenzofuran	MD	ng/kg	0.384	0.330	1	7/ 5/99	3: 83	n. Goodrich	8270C	7018
Didenz(a,b)anthracene	HD.	ng≀ng Hg/kg	0.384	8.330	1	7/ 5/99	3: 03	M. Goodrich	8278C	7018
l,Z-DichloreDenzene	ND ND	HGLKG HGLKG	0.384	8.336	1.	7/ 5/99	3:03	n. Goodrich	3270C	7018
l 3-Bioblorokeazene	#D	HG√Kd Harva	0.384	0.330	1	7/ 5/99	3: 03	M. Seedrich	3270C	7018
1.4-Dichiorobenzene	40	44/308 1181 118	9, 384	0.930	1	7/ 5/99	3:03	n. seeds ton	8270C	7018
i,3°-9ichlorobenzidine	MD	HAVEA HAVEA	9.757	0.660	1	7/ 5/99	3:03	M. Goodrich	8270C	7018
2,4-Disblesophenol	AD 	ngeng ng/kg	0.334	0, 330	1	7/ 5/99	3: 03	M. Goodrich	8270C	7018
liethylahthalate	RD	ng/kg	0.384	0.330	1	7/ 5/99	3: 03	M. Goodrich	8278C	7018
	SD.		0.384	0.330	1	7/ 5/99	3:03	M. Goodrich	8270C	7016
i,4-Dimethylphewol	ਕਪ <b>ਮ</b> 0	tig/kg	0.364 8.384	0.330 0.330	1	7/ 5/99	3:03		8270C	7016
Pimethylphthalate		ng/kg		ย. 338		(2 3277 77 5/99		M. Goodrich	8270C	
Tirm-dutylphthalate ? 4-0:0:0:0:0-2-wathulahana?	MD	ng/kg	0.364 n.250		1		3:03	n. Scodrich		7018
%,6-0initro-2-methylphenol	WD No	nq/kg	0.959 n.959	8.825	1	7/ 5/99	3:03	M. Soodrich	8270C	7016
1,4-Binitrophenol	88 88	ng/kg	n. 757	0.825	1	7/ 5/99	3:09	M. Goodrich	8270C	7018
i,4-dimitrotalmene	HD	nā∖ķā	8, 384	8.330	1	7/ 5/99	3:03	n. Soodrich	8270C	7018
2,6-Dimitrotolueme	HD.	ng/kg	8.384	0.330	1	7/ 5/99	3:83	M. Goodrich	8270C	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 79-A94986

Sample ID: 5B-11

Analyte	Result	Units	Report Limit	Avan Linit	Dil Factor	Date	Tine	Analyst	Method	Katol
to the term of the second of the second indicates the term of the second				-04 (0.00 (0.00 (0.00					**************	
Di-a-ostylphtäalate	HB.	ng/kog	8.384	0.330	1	77 5/99	3:03	H. Goodrich	8270C	7018
Fluorantheae	HD.	ng/kg	9.384	0.330	1	77 5/99	3:03	n. Soodrich	8270C	7616
Tiorene	<b>80</b>	ng/kg	0.384	0.990	1	77 5/99	3:03	M. Goodrich	8278C	7616
Hexsoblorobenzese	HD	ng/kg	8, 384	0.330	1	77 5/99	3:83	M. Soodrich	8270C	7018
Sexachlorobutadlene	HD	ng/kg	8.384	0.330	1	7/ 5/99	3: 63	M. Soodrich	3278C	7018
Hexacalorococlopentadiene	¥D	ng/kg	8, 334	0.330	1	7/ 5/99	3: 83	M. Goodrich	8278C	7018
Hexachloroethane	HD	सब्र/सब्	8.384	0.330	1	77 5799	3:83	A. Soodrich	6278C	7018
eaergqCho-E, I, 139sebal	MD	ng/kg	0.384	0, 330	1	7/ 5/99	3:83	n. Goodrich	9270C	7818
Isaphurone	HD	ng/kg	0.384	0.330	1	77 5/99	3: 93	n. Goodrich	3279C	7018
l-Nethylnaphthalen <del>e</del>	ND	ng/kg	8, 384	0.330	1	7/ 5/99	3: 03	M. Goodrich	82780	7018
1-NetegipheedI	HD	rig/kg	8.384	0.330	1	7/ 5/99	3:83	A. Goodrich	8278C	7018
n,p-Rechyloheaol	HD	ng/kg	9, 384	8,326	72	7/ 5/99	3:03	n. Goodrich	8278C	7818
Raphthalese	ND.	Hg/kg	B. 384	0.330	<u>*</u>	7/ 5/99	3: 83	n. Seedrich	3270C	7018
1-Witrosmiline	ND	ng/kg	0.959	8,825	1	77 5/99	3: 83	M. Goodrich	8278C	7018
3-Mitrospilipe	KD	ng/kg	0.959	0, 325	1	77 5799	3: 83	M. Goodrich	8278C	7018
-Hitroantline	40	ng/kg	0.759	8.825	1	7/ 5/99	3:03	M. Goodrich	8278C	7016
ditroueszege	報告	narks	0.384	0.330	1	77 5/99	3: 83	N. Goodrich	8278C	7016
2-Ritrophenol	ND	He/ka	0.364	0.330	1	7/ 5/99	3: 83	M. Goodrich	8270C	7818
4-Mitrophesol	MD	ng/kg	0.959	0.825	1	7/ 5/99	3: 03	N. Goodrich	8270C	7018
M-mitrosodi-m-propylamine	10	सबुर/सबु	0.384	0.950	1	7/ 5/99	3:83	M. Goodrich	8270C	7016
f-mitrosodiphempiamime	<del>40</del>	ngekg	ũ. <del>3</del> 84	8.330	1	7/ 5/99	3:93	ñ. Soodrich	8270C	7018
Pentschlorophenol	HD.	ng/kg	0.959	0.825	1	77 5799	3: 83	M. Goodrich	3278C	7019
Phenanchrene	HD	ng/kg	0.384	0.330	1	77 5799	3: 83	Ħ. Goodrich	8270C	7018
Phenoi	ND	ngrkg	0.384	0.330	1	7/ 5/99	3: 83	n. Scodrich	8270C	7018
Parese	<del>80</del>	संबंद्धिय	9, 384	8.330	1	7/ 5/99	3:03	M. Goodrich	8270C	7818
Dis(2-echglhexgl)phthalate	HE:	ng/kg	8.384	0.338	1	77 5/99	3:03	n. Soodrich	8278C	7018
1,2,4-Trichlorobenzene	3D	ng/kg	0.384	0.330	1	7/ 5/99	3: 03	M. Soodrich	8270C	7018
2,4,5-Teichlarophenol	#D	He/kg	0.959	0.825	1	7/ 5/99	3: 03	M. Goodrich	8270C	7018
1.4,6-Trichlorophenol	NS	ng/kg	0.384	8.338	1	7/ 5/99	3:03	N. Soodrich	8278£	7016
14 FDG - STORES NO - PERON ARCHIEROS										
NULATELE ORGANICS*	1.195	12	0.0404	0.0004		4 100 100	0.40		00.107	5004
Wetony	ak aw	Havk a	0.0108	0.8091	1	5/28/99	0:42	8. Hurt	8250E	5824
Synzese Samuel	ЖD	hq/kg	0.0021	0.0018	<u>1</u>	6/28/99	0:42	R. Hurt	8280B	5824
Oronoéalzene	4段	нц/ка	0.0021	9.0018	1	6/26/99	9:42	H. Hurt	8260B	5824
Gromouhieromethame	AD:	ng/kg	0.0021	0.0018	1	6/28/99	0:42	H. Hurt	8260B	5824
Gronoforn	ND NE	ng/kg	0.0021	0.0013	1	6/28/99	8: 42	K. Hurt	87600	5824
Gromonethane	MD MB	Hq/kg	0.0021	0.0013	1	5/23/99	8: 42	R. Hort	3260B	5824
i-Outanone	ND	ng/kg	0.0106	0.0071	1	6/28/99	0:42	X. Hurt	8260K	5824
a-Butqibeazene	110	ngekg	8.0021	0.0018	1	6/28/99	0:42	N. Hurt	6260E	5624
les-Butsisenzene	ND:	ng/kg	0.0021	0.0018	1	6/28/99	8:42	N. Hurt	8260B	5824
-Wutulberrene	MD OW	ng/kg	0.0021	0.0013	1	\$/28/99	8: 47	K. Kurt	8250II	5824
Carbos disulfide	ND	भवे\ <i>,</i> हते	0.0021	0.0013	1	\$/28/99	0:42	H. Hurt	82600	5824
Carbon tetrachioride	НО	na/kg	0.0021	0.0018	1	6/28/99	0:42	H. Hurt	82688	5824
lälerobenzene	<b>48</b>	ng/kg	0.6021	6.0016	1	6/28/77	8:42	N. Hurt	82608	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 99-A94986

Sample ID: SB-11

dnalyke	Result	Units 	Report Limit	Linit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	HD	ng/kg	0.0021	0.0018	1	\$/28/9 <b>9</b>	0: 42	X. Hort	8250B	5824
2-Chloroethylvinglether	HD	ng/kg	0.0021	0.0013	1	8/28/99	0:42	N. Hurt	82600	5824
Chlareform	HD	ng/kg	0.0071	0.0018	1	8/78/99	8: 47	K. Hurt	3250U	5824
Saloronethane	<del>10</del>	ng/kg	0.8821	8,0018	1	6/28/99	0:42	N. Hurt	82688	5624
I-Chlorotoluene	HD	ng/kg	0.0021	0.0018	1	6/28/99	8: 42	X. Hert	82600	5824
4-Chlorotoluese	#D	ng/kg	0,0021	0.0013	1	8/28/99	0: 42	X. Hurt	87600	5824
1,2-Dibromo-3-shiorogrogane	HD	ng/kg	0.8106	0.0091	1	6/28/99	0:42	N. Hurt	82608	5824
Dibremochlaremethame	報	на/ка	8,8021	6.0018	1	6/28/99	0:42	H. Hurt	82608	5824
1,2-Dibromoethane	KD	nq/kg	0.0021	6.0018	1	6/28/99	0:42	N. Hurt	82608	5824
0 ibromomethace	HD	ng/kg	0.0021	0.0018	1	6/28/99	8: 42	N. Hurt	6260B	5824
i,2-DichloreSeazene	RD	ng/kg	9,0671	0.0018	1	6/78/99	0:42	H. Hurt	87680	5824
1.3-Dichiorobenzene	ND:	ng/kg	0.6821	0.0018	1	6/28/99	0:42	N. Hurt	8260B	5824
1,4-Gicklorobeazeae	40 40		0.3021	0.0018	1	6/28/99	8: 42	H. Hurt	82688	5824
Dichlorodifluoramethane	ar.	ng/kg ma/lea	0.0021	0.0018	1	6/28/99	0: 42 0: 42	R. Hurt	82608	5824
1,1-Dickloruethane		ngekg	0.0021	5.0018	1	5/28/99	0:47	H. Hurt	8758K	5874
•	MD MD	ng/kg			1		8: 47	M. Hurt		5874
t.Z-Dicklurcethane	) <u>)</u>	ng/kg	0.0071	9.0013		8/28/99			82600	
1.1-Dicalorostheme	42	संबु/देव	0.0821	0.0018	1	6/28/99	8: 42	A. Hurt	82688	5624
ois-1,I-Dichloroetheme	NE)	ng/kg	0.0071	0.0018	1	6/28/99	8: 42	X. Hurt	87608	5874
trans-1,2-Dichioroetheme	HD	ng/kg	8,6021	0.0018	1	6/28/99	0: 42	H. Hurt	82600	5824
1,2-Dichloropropase	20	ng/kg	0.0021	0.9018	1	8/28/99	8: 42	K. Hurt	8260R	5824
1,3-Dichleropropame	H13	ngekg	0.9021	0.0018	1	6/28/99	8: 42	X. Hurt	82608	5824
1,2-Dishleropropane	HD	stg/kg	0.0021	0.0019	1	6/23/99	8: 42	H. Hurt	82600	5824
I,1-Dichleropropene	ND	₽₫√ĶĠ	0.0021	0.0013	1	8/28/99	8: 42	K. Hert	82601	5824
sis-1,3-Dichloropropene	HE	संबंधित	0.0021	0.0018	1	6/28/99	0:42	H. Hurt	82608	5824
trans-1,3-Bichloropropene	H0	ng/kg	0.0021	0.0018	1	6/28/99	8:42	H. Hurt	82688	5824
Cthylheszese	<b>HB</b>	ng/kg	0.0021	0.0018	1	6/28/99	8:42	H. Hurt	82688	5824
Hewachiorobubadiene	MD	ng/kg	6.0021	0.0013	1	8/28/99	0: 47	M. Hort	82600	5824
2-Bex anone	HP	ng/kg	9.9108	0.0091	1	6/26/99	0:42	H. Hurt	8260B	5824
Caprapylbenzane	HD.	Hg/kg	0.0021	0.0018	1	6/28/99	0:42	X. Hurt	82688	5624
d-Isopropyltoluene	HD.	ng/kg	0.0071	9,9013	1	8/23/93	0:42	H. Hurt	82600	5824
4-Nethyl-2-pentanona	HD	₩ã∖ķă	0.0108	0.0091	1	8/28/99	8: 42	R. Hurt	8250R	5824
Methylese obloride	HD	ng/kg	0.0108	0.0071	1	6/28/99	8:42	M. Hurt	87680	5874
Maphthalene	XD	ng/kg	0.0021	0.0013	1	6/28/79	8: 42	M. Hurt	8260H	5874
a-Propolibenzene	AB:	ng/kg	9,8921	0.0018	1	6/28/99	8:42	N. Hurt	6260B	5824
Atgrene	HD	ng/kg	0.0021	0.0018	1	6/28/99	8:42	N. Hurt	82600	5824
1,1,1,2-Tetrackloroethame	HD	ng/kg	0.0021	0.0013	1	8/28/99	0:42	H. Hurt	875010	5874
1,1,2,2-Tetracklargethane	MD	нд/кд	8,0021	0.0013	1	8/28/99	8: 42	H. Hurt	825010	5824
Tetrachluroethene	88	ng/kg	0.6021	0.0016	1	6/26/99	0:42	N. Hurt	8260B	5824
Toluene	HD	ng/kg	0.0021	0.0018	1	6/23/99	0:42	M. Hurt	3760U	5874
1,2,3-Trichlorobenzene	XD	ng/kg	0.8021	8, 8018	1	8/28/99	0:42	R. Hurt	82600	5824
1,2.4-Trichlorobenzene	KD.	ng/kg	0.0021	0.0018	1	6/28/99	0:42	N. Hurt	82608	5824
1,1,1-Trichloruethame	HD:	ng/kg	0.0021	0.0018	1	6/28/99	0:42	N. Hurt	62608	5824
1,1,2-Trichloroethane	HD	ng/kg	0.8021	0,0018	1	6/28/99	0: 42	X. Hurt	82608	5874
Frichlorgethene	HD	ng/kg	6.0021	0.0018	1	6/28/99	0:42	N. Hurt	8260B	5624



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 99-A94986

Sample ID: SB-11

Page 4

łaslyże	Result	Units	Report Limit	Ruan Linit	Dil Factor	Date	Tine	Analyst	Method	Batch
1,2,3-Trichloropropame	HD	нд/ка	0.0021	0.0018	1	8/28/99	0: 42	R. Hurt	82600	5824
i,Z,S-Trimethylbenzene	MD	ng/kg	0.0071	0.0013	1	6/28/99	8: 47	R. Hurt	32600	5824
1,3,5-Trinethylbenzene	HB	ng/kg	8.8021	0.0018	1	6/28/99	8:42	H. Hurt	82688	5824
lingl obloride	ND	ng/kg	0.0021	0.0018	1	8/28/99	0:42	N. Hurt	8260E	5824
(glenes	MD	на/ка	0.0021	0.0018	1	6/28/99	8: 42	H. Hurt	876BE	3824
Promodichloromethage	MB	ng/kg	0.0021	0.0018	1	6/28/99	8:42	N. Hurt	82608	5824
Tricklorefluoromethame	HD	ng/kg	0.0021	8,0018	1	8/28/99	0: 42	H. Hurt	82500	5824
GENERAL CHEMISTRY PARAMET	ERS¥									
Ory Weight	86.	r			3.	7/ 1/99	11:17	Fitzwater	CLP	3154

NO = Not detected at the report limit.

#### Sample Extraction Data

Parameter	Mt/Vol Extracted	Extract Vol	Date	Analyst	Rethod
SMR's	30, 6 ga	1.0 ml	6/38/99	Fitzuater	3550
Volatile Breamics	5, 5 g	5.0 ml	6/24/99	N. Hort	5035

Surrogate	% Recovery	Target Range		
Stituted in the contract of the sale and	of the last time in the part was the last	the part are left and her and but the rear and and		
surr-1,2-Dichlorpethame, 34	104.	48 160.		
curr-Toluene d8	95.	79 119.		
surr-4-Granofluorobeniene	97.	69 135.		
surr-DiaronoFluoronethame	700	63 135.		
sarr-ditrobenzene-o5	57.	20 110.		
surr-2-fluorobiphengl	<i>5</i> 1.	18 110.		
surr-Terghengi did	73_	27 128.		
surr-Phenol 45	72.	10 111.		
urr-2-fluorophemol	34.	10 107.		
surr-2,4,6-Tribromophenol	85.	14 110.		

All samples have been corrected for dry weight.

2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 99-A94986

Sample ID: 58-11

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA ERAILSFORD

PSSA JOHMMIE DODGS BLDV .NT. PLEASANT, SC 29464

Project: 9489

Project Name: ERM Sampler: ROD TRUMAN Lab Number: 99-A94987

Sample ID: SB-12 Sample Type: Soil

Site ID:

Date Collected: 6/24/99 Time Collected: 11:40 Date Received: 6/26/99 Time Received: 7:00

Analyte	Result	<b>Vaits</b>	Report Limit	Quan Linit	Bil Factor	Date	Tine	Analyst	Rethod	Bato
A THE TOTAL PROPERTY OF THE PR	WESSTY.	Adres			( 46.001		Time	***************************************		5456
*EXTRACTABLE DREAMIES*										
Acensphihene	HD	ng/kg	0.393	0.330	1	77 5799	4: 53	M. Goodrich	8278C	7018
Acessphthglene	HD	ng/kg	8. 373	0.330	1	77 5799	4: 53	M. Seedrick	8278C	7018
anthraceae	HD	ng/kg	8.393	0.330	ī	7/ 5/99	4: 53	M. Goodrich	3278C	7018
leazo (a) anthracese	級	ng/kg	0.393	0.330	1	77 5/99	4:53	M. Goodrich	8278C	7018
lenzo(a) purene	#8	ngrkg	8, 393	0.330	1	77 5/99	4:53	A. Soodrich	8278E	7918
Jenzo(h) Fluoranthane	<b>88</b>	ng/kg	8.393	8.338	1	77 5/99	4:53	M. Soodrich	8270C	7018
Seszo(g,b,i)serglese	HD	mg/kg	8.393	8.338	1	7/ 5/99	4: 53	N. Goodrich	8270C	7018
(sazo(k) fluoraatheae	ND	ng/kg	0.393	8, 330	1	7/ 5/99	4: 53	n. Goodrich	8270C	7018
1-Bronocheaniphengiether	HD	ng/kg	0.393	0.330	1	7/ 5/99	4:53	M. Soudrich	6278E	7018
Autylbenzalehthalate	ND CK	ng/kg	0.393	0.330	1	7/ 5/99	4: 53	n. Goodrich	3270C	7018
Cartarole	ND .	na/ka	0.393	0.330	1	77 5/99	4: 53	M. Geodrich	8278C	7818
4-Chloro-3-Hethylphenol	HD.	ng/kg	0.393	0.330	1	7/ 5/99	4: 53	M. Goodrich	8270C	7018
-Chloria dilige	HD	ndqed whys	0.393	0.330	1	7/ 5/99	4:53	M. Goodrich	8278C	7810
sis(2-Chloroethoxq)methage	₩D	ng/kg	0.393	0.338	1	77 5/99	4: 53	M. Goodrich	8278C	7018
vis(2-Chloroethgl)ether	HD	ng/kg	0.393	8.338	1	7/ 5/99	4:53	ff. Soodrich	6278E	7018
dis(2-Chloroisopropyl/ether	HD	ng/kg	0.393	0.330	1	7/ 5/99	4:53	n. Goodrich	8278C	7018
2-Chloronaphthalene	MD	ng/kg	0.373	0.330	1	7/ 5/99	4: 53	M. Goodrich	8278C	7018
-Chloroghenal	46 HD	udika ng ng	8.393	0.330	1	7/ 5/99	4:53	ff. Soodrich	8270E	7018
f-Chlor)pheaylpheaulether	ND:	ng/kg	0.393	0.330 0.330	1	7/ 5/99	4:53	ff. Goodrich	8278E	7018
ingeone Thrustalanderdebuendrecuer	HD um	ng/kg	0.373	0.330	1	7/ 5/99	4: 53	n. soodrich	3278C	7818
on geene Dibenzoforan	45) 220	ng/kg	0. 393	0.330	1	77 5799	4: 53	n. scour ion	8278E	7018
Subenz(u,h)anthracene	9B	ng/kg	0. 393 0. 393	0.330	1	77 5799	4:53	n. soodrich	8279C	7018
t,2-Bichlorobenzene	NB:	ng/kg	0.373	8.938	1	77 5789	4:53	M. Soodrich	6278E	7018
: 3-Dichlorobenzene	7D 110.	ng/kg	0.373	9.330	1	7/ 5/99	4:53	M. Goodrick	8270C	7019
.4-Dichlorobeszese	ND No	ng/kg	0. 393	0.330	1	7/ 5/99	4:53	M. Soudrick	8270C	7019
3,31-010Alerohenzidine	819 20	ng/ka	0. 393	0.550	1	7/ 5/99	4:53	n. Soodrich	8270E	7018
7,4-Dicalerophenol	150 516	Hg/kg Hgrky	0. 393	8.330	1	7/ 5/99	4:53	n. Soodrich	8270C	7018
) isthqlahthalate	ND ND	ng/kg	0.373	8.338	1	7/ 5/99	4:53	n. Soodrich	8270C	7018
L,4-Clauthylpheaol	48 40		8.373	0.330	1	77 5799	4:53	n. Soodrich	8278E	7018
		ng/kg	0. 373 8. 373	0.330 0.330		77 5/99	4:53	n. Soodrich	8278C	7018
Necthylpáthalate	HD HD	ng/kg	0.373 8.393	0.530 0.330	1	77 5/99	4:53 4:53	n. Soverice M. Soodrich	8278C	7018
)i-a-betylphthalate 1 6-8/a/bra-2-wathylabayat		ng/kg	9. 272 8. 782	9.539 9.825	1		4:55 4:55		5278E	7818
i,4-Binitro-2-methylphemol	nd Hd	ngelog	0.762 0.982	9.825 9.825		77 5799 77 5799	4: 53 4: 53	A. Goodrich	8278E	7018
i,4-Din:traphenol		ng/kg			1			M. Goodrich		
2,4-dimitrotolueme	KD GK	ng/kg	8.393	0.330	1	7/ 5/99	4: 53	M. Goodrich	8270C	7018
7.6-Dimitrotolueme	ЖD	ng/kg	0. 393	0.330	1	7/ 5/99	4: 53	M. Goodrich	8270C	701



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94987

Sample ID: SB-12

A	77 4 /-	12 1 5	Report	Ruan	Dil	B. v. f. v.	T1	A	26 - 6 + - *	9-1
aalute	Result	Units 	Linit	Linit	Factor		Time	Analyst	Method	Batci
9i-a-ostylpkthalate	HB	ng/kg	0.39 <del>3</del>	0.320	1	7/ 5/99	4:53	M. Goodrich	8270C	7018
Fluoranihane	HD	ng/ka	8.393	0.380	1	77 5/99	4:53	M. Soodrich	8270C	7018
Fluorene	HD	ng/kū	8.373	0.330	1	77 5/99	4:53	N. Goodrich	8270C	7013
Mexachl)robenzene	48	ng/kg	0.393	0.880	1	77 5/99	4:53	M. Goodrich	8279C	7016
eneibetudoroliosexe	ND.	ng/kg	0.393	8, 330	1	77 5799	4:53	M. Goodrich	8270C	7018
dexachlorocyclopentadiene	ЖD	ng/kg	8, 393	0.330	1	77 5/99	4:53	M. Soodrich	8270C	7018
Maxachlorosthane	NB	ng/kg	0.393	0.330	1	77 5/99	4:53	A. Coodrich	8278C	7018
Indean(1,1,3-od)pyreme	AD.	ng/kg	0.393	0.338	1	77 5/99	4:53	M. Soodrich	8278C	7016
Csophornea	ND	ng/kg	0.393	0.380	1	77 5/99	4:53	M. Soodrich	8270C	7018
2-Methylaaphthalene	ЖD	ng/kg	0.393	0.330	1	77 5/99	4:53	M. Goodrich	8270C	7016
1-Metaglemenol	<b>40</b>	ng/kg	0.393	0.930	1	7/ 5/99	4: 53	M. Soodrich	8278C	7018
u.p-Rethylphenol	46 40	ngrkg	0.393	0.330	1	77 5799	4: 53	a. Goodrich		7016
Maphthaiene	MT)	ng/kg	0.393	8. 330	1	7/ 5/99	4: 53	M. Goodrich	8270C	7018
I-Witrozailiae	HD	mg/kg	0.982	0.825	1	7/ 5/99	4: 53	n. Goodrich	8270C	7018
3-Mitroppiline	ND	ng/kg	0.982	8, 825	1	7/ 5/99	4: 53	n. Soodrich	827BC	7018
4-Hitroamiline	<del>11</del> 8	संबुद्धार व	0.782	9.825	1	7/ 5/99	4:53	M. Soodrich	8270C	7016
Hitrobewzene	HD:	ng/kg	0.393	0.330	1	77 5799	4:53	M. Goodrich	8278C	7016
Z-Mitrophensi	HD	ng/kg	8.373	0.330	1	7/ 5/99	4:53	N. Soodrich		7018
4-Mitrosbesol	ЖD	ng/kg	0.782	0.325	1	7/ 5/99	4: 53	M. Soodrich	3278C	7018
W-mitrosodi-n-propylamine	AD.	ng,kg	0.373	0.330	1	7/ 5/99	4: 53	M. Goodrich	3278C	7018
M-mitrosodiphenglamine	HD	44/4/4 van 16 6	8.373	8.330	1	7/ 3/99	4:53	M. Soodrich	8270C	7018
Pentachiorophenol	HD	ng/kg	0.982	0.825	1	7/ 5/99	4:53	N. Goodrich	8270C	7018
Thenanthread	MD QK	ng/kg	0. 393	0.330	1	77 5799	4: 53	ff. Soodrich	8270C	7618
Shenol	ЖÐ	ng/kg	0.393	0.330	1	7/ 5/99	4: 53	M. Soodrich	8278C	7018
Pgrene	40 	udyka nava	0.393	8.339	1	7/ 5/99	4:53	M. Goodrich	8270C	7018
Dis(2-ethqlhexql)phthalate	MO:	ng/kg	8.373	G. 330	1	7/ 5/99	4: 53	M. Soodrich	8278C	7916
1,2,4-Tricklorobenzene	HD	ng/kg	0.373	0. 330	1	7/ 5/99	4: 53	n. Soodrich	8278C	7018
2,4,5-Trichlorophenol	HD	ng/kg	0. 982	0. 335	1	7/ 5/99	4: 53	n. Scodrich	8278C	7018
2,4,6-Trichlorophenol	ND ND	ng/kg	0.393	0.330	1	77 5/99	4: 53	n. Goodrich	8270C	7018
WOBLATILE GREAMICSM										
Roecose	KD	ng/kg	0.0084	0.0070	1	8/23/99	1:18	H. Hurt	3760B	5824
Cenzene	HD	ng/kg	0.0017	0.8014	1	8/28/99	1:16	H. Hort	3260K	5824
Gronotenzem:	HD.	ng/kg	0.9017	9,0014	1	8/28/99	1:16	H. Hurt	8260B	5824
Gronochloromethane	<del>8</del> 0	ng/kg	0.0017	0.0014	1	6/28/99	1:15	H. Hurt	8260B	5824
Этано Готн	HD	ng/kg	0.0017	0.0014	1	6/28/99	1:16	N. Hurt	8260B	5824
eschienous eschienous	AD.	ng/kg	0.0017	6,8014	1	6/28/99	1:18	H. Hurt	3268E	5824
2-Nutanone	MD	ng/kg	0.0084	0.0070	1	8/28/99	1:16	H. Hurt	8260B	5874
e-Butqlaenzene	MD:	ng/kg	0.8017	0.0014	1	6/28/99	1:16	N. Hurt	82608	5824
sec-Bubulbaazaae	AG.	ng/kg	0.9017	0.0014	1	6/28/99	1:16	H. Hurt	6260B	5824
t-Nutglbeszene	HD GH	ng/kg	0.0017	0.0014	1	6/28/99	1:16	H. Hurt	8260D	5824
Carbon disulfide	9. 8212	ng/kg	0.0017	0.0014	1	8/78/99	1:16	N. Hurt	8269B	5874
Carbon tetrachloride	MD.	ng/kg	0.9017	0.0014	1	6/28/99	1:16	H. Hurt	6260B	5824
Chlorobenzene	NE	ng/kg	0.0017	0.0014	1	6/28/79	1:16	N. Hurt	8260B	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94987

Sample ID: SB-12

laslyte	Result	Units	Report Linit	Quan Limit	Dil Factor	Date	Tine	Analyst	Method	Nato
							********			
Chloroethone	<b>%</b> D	ng/kg	0.0017	8.0014	1	6/28/99	1:16	M. Hurt	82600	5824
:-Chlorcethylvinylether	MD	Hg/kg	0.0017	0.0014	1	8/28/99	1:16	M. Hurt	82600	5824
Thioroform	HD.	ag/kg	0.0017	0.0014	1	6/28/99	1:16	H. Hurt	376BE	5874
Chloromethans	ND	ng/kg	0.0017	8.0014	1	6/28/99	1:16	M. Hurt	8260R	5874
2-Chlorotoluene	HD	ng/kg	0.0017	0.0014	1	6/28/99	1:16	M. Murt	8750W	5874
- Chlorotolueae	HD	ng/kg	8.0017	0.0014	1	6/28/99	1:16	n. nort N. Hurt	82608 97900	
t ,2-01bromo-3-chloropropane	ND ND	- "	0.0010	0.0014						5824
i,i areimia i surunagiapane. Nibromoshloromethane		ng/kg			1	6/28/99	1:16	A. Hort	62698	5824
	HD No	Hq/kg	0.0017	0.0014	1	6/28/99	1:16	H. Hurt	8760F	5824
1,2-Dibrewoethome	XD	ng/kg	0,0017	8.9014	1	5/23/99	1:16	H. Hurt	8260H	3874
libronomethane	NE	ng/kg	0.0017	0.0014	1	6/28/99	1:16	N. Hurt	82688	5824
.,2-Bicklurobenzene	<del>110</del>	सव्/रिव	0.0017	9.0014	Ī	6/28/99	1:16	A. Hurt	82688	5824
eneraedoroldoid-E, i	HD	Hg/kg	0.0017	0.0014	1	8/28/99	1:16	H. Hurt	326BH	5874
1,4-Cichlerobeszese	HD	на/ка	0.0017	9,8614	1	6/28/99	1:16	H. Hurt	3250W	5824
)ichlaradiFluaramethame	XD	Hø/kg	0.0017	8,6014	1	6/28/99	1:16	M. Hurt	3269B	5824
L,1-Dichloroethane	HD.	ng/kg	0.9017	0.0014	1	6/28/99	1:16	H. Hurt	8260B	5824
.,2-0ishluroethame	HD	संदुर्शस्त्र	0.0017	0.0014	1	6/28/99	1:15	H. Hurt	82608	5824
[,1-Dicklorostheme	HD	udykü	0.0017	0.0814	1	8/28/99	1:16	M. Hurt	8280H	5874
:is-1,2-Dichloreetheme	HD	norka	0.0017	0.0014	1	8/28/99	1:16	H. Hurt	8760N	5874
rans-1,2-Dichloroetheoe	HD	ng/kg	9.0017	0.0014	1	6/28/99	1:16	H. Hurt	82608	5824
L,2-Dicaloropropame	48	ng/kg	0.0017	0.0014	1	6/28/99	1:16	H. Hurt	82608	5824
i,∃-Dichloropropene	ND.	Hg/kg	0.0017	0.0014	1	8/28/99	1:16	N. Hurt	8780H	5874
easasrooreldaid-1, !	80	mg/kg	0.0017	8,6814	1	8/28/99	1:18	M. Hurt	97800	5874
,1-DickLoropropene	HD	ng/kg	0.0017	0.0014	1	6/28/99	1:16	N. Hurt	82688	5824
is-1,3-0ichloropropene	No	ng/kg	0.0017	9.0014	1	6/28/99	1:16	N. Hurt	62608	5824
rans-1 3-0ichloropropene	MĐ	ng/kg	0.0017	8,0014	1	8/28/99	1:16	M. Hurt	82600	5824
thulbeszene	20	ng/kg	0.0017	0.0014	1	8/28/99	1:16	M. Hurt	82600	5824
terachlorobutadiene	NO.	सब्र/स्व	0.0017	0.0014	1	6/28/99	1:16	A. Hurt	82608	5824
?-Hexaeone	<del>설</del> 용	ng/log	0.0084	0.0070	1	6/28/99	1:16	H. Hurt	82608	5824
Isopropylbenzene	38	ng/kg	0.0017	0.0014	1	6/28/99	1:16	H. Hurt	82688	5824
-Isogropeltalsese	¥0	ng/kg	0.0017	0.0014	1	8/78/99	1:16	K. Hurt	8260B	5824
-Metagi-2-pentamone	3K	ng/kg	0.9084	0.0070	1	6/28/99	1:16	H. Hurt	8260B	5824
letaulene shipride	HD	ng/log	0.0084	0.0070	1	6/28/99	1:16	H. Hurt	8260B	5824
iaphthalene	ND	ng/kg	0.0017	0.0014	1	6/28/99	1:16	A. Hurt	8260B	5824
-Propulbenzene	MD	ng/kg	0.0017	0.0014	1	6/23/99	1:16	H. Hurt	8260H	5874
Egreae	HD	ng/kg	0.0017	0.0014	ī	6/26/99	1:16	A. Hurt	6260B	5824
.1.1.2-Tetrochloroethane	88	на/ка	0.6017	0.0014	1	6/28/99	1:16	N. Hurt	6268B	5824
.,1,2,2-Tetrachloroethane	HB	ng/kg	0.0017	0.0014	1	6/28/99	1:16	N. Hurt	8268B	5824
etrachloroethene	150	ng/kg	0.0017	0.0014	1	5/28/99	1:16	K. Hurt	3260H	5824
alvene	AD ,	ng/kg	0.0017	0.0014	1	8/23/99	1:16	8. Aurt	375BH	5874
.,Z,3-Trichlorobenzene	HD	ng/kg	0.0017	0.0014	1	6/28/99	1:16	H. Hurt	62600	5824
.,2,4-Trichlorobenzene	NO		0.0017	0.0014 0.0014		6/28/99				
.,1,1-Trichloroschame	HD W	ng/kg mg/ka	0.0017		1		1:16	N. Hurt	8260B	5824
.,i,2-Trichlaroethane		ng/kg		8,0014	1	6/28/99	1:16	H. Hurt	3260D	5824
・ 大本 大学 ことと 14を引まなど 特殊し社会 17号	HD UM	ng/kg	0.0017	0.0014	1	6/28/99	1:16	H. Hurt	6248B	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 59-A94967

Sample ID: SB-12

Page 4

Analgte	Result	Units	Report Linit	Ruan Linit	011 Factor	Date	Time	Analyst	Method	Batch
7.777.788 b' 7.774.114.11.174.114.114.114.114.114.114	3110 - 31 - 31 - 31 - 4 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5									
i,2,3-Trichloropropame	HD	អន្ធ/វិវត្ស	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260N	5824
1,2,4-Trimethylbenzene	HD	संबुर/रेख	0.0017	0.0014	1	6/28/99	1:16	N. Hurt	82688	5824
1,3,5-Trimethylbenzene	ЖD	ng/kg	0.0017	0.0014	1	6/28/99	1:16	R. Hurt	3260W	5824
Vingl chloride	MD	ng/kg	0.8817	0.0014	1	8/28/99	1:16	H. Hurt	3260B -	5824
lighenes	ND	ng/kg	0.0017	0.0014	1	6/28/99	1:16	X. Hurt	82608	5824
Bromodishloromethama	HD	нд/кд	0.0017	0.0014	1	6/28/99	1:16	X. Hurt	82608	5824
Trichlorofluoromethame	HD	ng/kg	0.0017	0.0014	1	6/28/99	1:16	K. Hurt	3260II	5824
MSEHERAL CHEMISTRY PARAME	TERSH									
X Dry Weight	84.	7.			1	77 1799	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

#### Sample Extraction Data

2sraheter	Mt/Vol Extracted	Extract Vol	Date	Analyst	Nethod
DNA's	30.0 gn	1.0 Hl	6/30/99	Fitzwater	3558
Volatile Erganics	7.1 g	5.0 Hl	6/24/99	W. Hort	5835

Surrogate	% Recovery	Target Range
THE STATE AND ADDRESS OF THE STATE OF THE STATE OF		**********
surr-1,2-Bichloraethame, 44	104.	48 160.
surr-Taluene d8	92.	79 119.
pur-4-Bronofluorobenzene	70.	69 <b>13</b> 5.
surr-Gibronofluoromethame	99.	83 135.
surr-Mitrobenzens-45	67.	20 110.
serr-2-Fluorobiphengl	71.	18 116.
surr-Terphenyl di4	77.	27 128.
turr-Phenol d5	<b>85.</b>	10 111.
surr-2-Fluorophenol	43.	10 107.
surr-I,1,6-Tribromophemol	37.	14 110.

All samples have been corrected for dry weight.





2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 99-A94987

Sample ID: SB-12

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Mussell Morgan, Technical Services

Laboratory Certification Number: 84009



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

restamerica/Hydrologic-charle 8424 Teresa Brailsford

985A JOHNWIE DODD'S BLDV 4T. PLEASANT, SC 29464

Project: 9489

Project Name: ERM Sampler: ROD TRUMAN Lab Number: 99-A94988

Sample ID: SB-13 Sample Type: Soil

Site ID:

Date Collected: 6/24/99 Time Collected: 12:00 Date Received: 6/26/99 Time Received: 9:00

27-4-		744.24	13 1.4	Report	สียอล	Dil	Date	71	A 2 3	10-11-1	
Analyte 		Result	Units 	Limit	Limit	Factor	Date	Tine	Analyst	Method	Nate:
MEXTRACTABLE (	ineanico#										
deenzohthene		HD	ng/kg	0.407	0.330	1	77 5799	5:30	A. Soodrich	82780	7018
Acenaphthqlens	<u> </u>	HD	ng/kg	12, 407	0.330	1.	77 5799	5:30	N. Soodrich	8270C	7818
Anthracene		ND:	ng/kg	0.407	8,890	1	77 5799	5: 30	M. Soodrich	82780	7016
Be <mark>nze</mark> (a)authra	icene	<del>100</del> 3	ng/kg	3.407	0.330	<u> ;</u>	77 5/99	5: 30	M. Goodrich	8278C	7018
neryala kozael	•	HD	ng/kg	0.407	0.330	I	7/ 5/99	5: 30	n. Soodrich	8278C	7018
Denzo(b)Fluora		HE	насю	8.407	0.990	1	77 5/99	5: 30	A. Soodrich	8278C	7018
Senzo(g,h,i)pe	ergiana	ND	ng/kg	0.407	8.330	1	77 5/99	5: 30	M. Soodrich	8279C	7816
(eszetk)fluor:	-	MD	Hq/kq	0.407	0.330	1	77 5799	5: 30	M. Goodrich	8270C	7818
1-Bromophengi;	aeauletaer	HD.	ng/kg	0.407	0.338	1	7/ 5/99	5: <del>3</del> 0	ff. Goodrich	8270C	7918
Putulbenzulphi		MD	ng/kg	0.407	0.330	1	77 5/99	5: 30	M. Soodrich	3270C	7018
Carbazole		HD CK	ng/kg	0.407	0.330	i	77 5799	5: 30	M. Goodrich	3270C	7813
4-Chloro-d-net	hulohenul	20	ng/kg	0.407	0.330	1	7/ 5/99	5: 30	M. Soodrich	8270C	7018
W-Chloroanilis		HD	ng/kg	9,497	0.350	1	77 5799	5: 30	N. Goodrich	8270C	7016
dist2-Chloroet		HD.	ng/kg	8, 487	0.330	1	77 5799	5: 30	n. Soodrich	8270C	7018
his(Z-Chlurge)	-	HD.	ng/kg	0.407	0.320	1	77 5/99	5: 30	M. Goodrich	6270C	7016
	opropul/ether	HD.	ng/kg	8,407	0.300	1	7/ 5/99	5: 30	n. Soodrich		7816
I-Chlarenaphti	,	HD	ng/kg	0.487	9.338	1	7/ 5/99	5: 30	N. Soodrich		7018
:-Chloropaenol		HD.	па/Ка	8, 487	0.330	1	7/ 5/99	5: 30	N. Goodrich	3270C	7918
i-Chlorophengi		HD.	लब्द/स्य	0.407	0.330	1	77 5799	5: 30	M. Soodrich	8270C	7018
Carysene	74.4	310	ng/kg	8,407	8.930	1	77 5799	5: 38	M. Goodrich	8270C	7018
Dibenzofuran		80	ng/kg	0.407	0.330	1	77 5/99	5: 30	ff. Goodrich	8278C	7018
Dibenz(a,h)ant	chracene	ND.	ng/kg	0.407	0.330	1	77 5799	5: 30	M. Goodrich	8Z70C	7018
1,2-Dichlerebe		HD	ng/kg	3.407	0.330	1	77 5/99	5: 30	M. Goodrich	8270C	7818
l,3-Bicklorobe		HD	ng/kg	0.407	8.338	1	7/ 5/99	5: 30	N. Goodrich	8270C	7016
.4-Dicalorobe		HD	ng/kg	0.407	9, 938	1	77 5/99	5: 30	M. Goodrich	82798	7018
t.3'-dichloret		HD	He/ke	8.815	8. 550	1	7/ 5/99	5: 30	M. Goodrich		7018
igoroldald-P.S		HD	ng/ka	0.467	8.330	1	7/ 5/99	5: 30	n. Soodrich	8270C	7018
)iethylohthai:		H\$	na/ka	8,497	0.330	1	7/ 5/99	5:30	M. Goodrich		7016
2,4-Dimethylph		HD.	ng/kg	8,487	8,338	1	77 5799	5: 30	A. Goodrich	8278C	7916
)inethyloatba		HD	ng/kq	0.407	8, 330	1	7/ 5/99	5: 30	M. Goodrich	8278C	7018
ii-n-butylphti		HD	Har.jed vidi	0.407	0.330	1	77 5/99	5: 30	M. Goodrich		7016
i, 6-Digitro-2-		ND NO	ng/kg	1.82	0.625	1	77 5799	5: 30	A. Soodrich	8279C	7016
., 4-Dimitrophe		ND	ng/kg	1.82	8.325	1	7/ 5/99	5: 30	M. Goodrich	8270C	7818
7,4-dinitrotol		HD	ng/kg	0.407	8. 338	1	7/ 5/99	5: 30	M. Scodrich	3278C	7018
i, o - Dinitratoi Latertinia		ND	ng/kg	0.407	0.330	1	7/ 5/79	5: 30	M. Goodrich		7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94988

Sample ID: 5B-13

Asalyte	Result	Units.	Report Limit	Ruan Linit	₽il Factor	Date	Tine	Analyst	Method	Natol
					-					
Di-m-dotylphthalate	HD	ng/kg	0.407	0.330	1	77 5/99	5: 30	N. Goodrich	8270C	7018
Fluoranthese	MD	∺g∕kg	0.407	0.330	1	77 5799	5: 30	n. Goodrich	8270C	7018
Fluorene	AD	ng/kg	8,407	0.330	1	77 5/99	5: 30	M. Soodrich	3270C	7018
Hexachlorobenzene	ND	на/ка	0.407	0.330	1	7/ 5/99	5: 30	n. Goodrich	3270C	7018
Hexachlorobutadiene	HD	ng/kg	0.407	0.330	1	77 5/99	5: 39	M. Goodrich	8278C	7018
Hexachiorooyolopentadiene	HP	सब्/सब्	9,407	0.990	1	77 5799	5: ∋0	n. Soodrich	82780	7018
Hexacaloroethane	#B	संबुर/रेख	0,407	6.330	1	77 5799	5: 90	M. Goodrich	8278C	7018
Indeno(1,Z,3-od)pyrese	HO	ng/kg	0.407	0.330	1	77 5799	5: 30	A. Goodrich	8278C	7018
Isophorone	ИD	5g/kg	0.407	0.330	1	77 5799	5: 30	n. Seedrich	8278C	7018
2-Retayinaphthalene	HD	ng/kg	0.407	9,330	1	77 5/99	5:30	M. Goodrich	8270E	7018
I-Metagiphenal	NO	ngrica	0.407	0.380	1	77 5799	5:38	n. Soodrich	8278C	7818
a,p-Kethulphenol	MD	ng/kg	0.407	8, 330	1	77 5/99	5: 38	M. Goodrich	8270C	7018
Kaphthalene	ND	na/kg	9,407	0.339	1	77 5/99	5: 30	M. Goodrich	62780	7918
2-Mitroaniline	AG.	सब्दर्भव	1.92	0.825	1	77 5/99	5: 30	M. Goodrich	8278C	7018
3-Ritrosollime	HD	सव्दर्शक्	1.92	0.825	1	77 5799	5: 30	M. Goodrich	8270C	7018
M-Mitroaniline	HB	ng/kg	1.02	0.825	1	77 5/99	5: 30	M. Soodrich	8278C	7018
Witrobenzene	ЯĎ	ng/kg	8, 407	0.330	1	77 5799	5: 30	M. Goodrich	8270C	7018
2-Mitrophenol	<b>98</b> 5	ngelog	8,467	8, 339	1	77 5799	5:30	A. Goodrich	8278C	7018
4-Mitropheaol	HB	ng/kg	1.82	0.825	1	77 5799	5: 30	M. Soodrich	8278C	7018
H-mitrosadi-a-propylaniae	MD CH	Ha/ka	0.487	0.330	1	77 5799	5: 30	M. Goodrich	8278C	7018
M-mitrosodiphenglamine	нp	ng/kg	8, 407	8.330	1	77 5/99	5: 30	M. Goodrich	3270C	7818
Peatschlorophenoi	#B	ng/kg	1.02	8,825	1	77 5/99	5: 30	M. Soodrich	8278C	7818
Phenanthrene	HD	ng/kg	0.487	8, 330	1	77 5/99	5:38	M. Soodrich	8278C	7918
Pheno i	MD.	ng/kg	0.407	0.330	1	7/ 5/99	5: 30	n. Goodrich	9270C	7018
Parere	HD	ng/kg	8.407	0.330	<u>1</u>	7/ 5/99	5: 30	N. Goodrich	8278C	7818
dis(2-ethylhaxqi)phthalate	HD	ho/ka	8, 407	8, 338	1	77 5799	5: 30	N. Goodrich	3270C	7618
1,2,4-fricalorobeazeme	40	na/ka	3,407	8.330	1	7/ 5/99	5: 38	M. Goodrich	8279C	7018
1,4,5-Trichlorsphenol	#D	ng/kg	1.82	8,825	1	7/ 5/99	5: 30	M. Soodrich	8270C	7018
2,4,6-Trichlorophenol	AD.	ng/kg	0.487	0.330	1	77 5799	5: 38	M. Goodrich	8270C	7018
AUNLATULE DENAMICSA										
Acetone	30	सबुर/देख	9,0078	0.0063	1	6/28/99	15:19	H. Hurt	82608	5824
Senzene	HD	ng/kg	0.0016	0.0013	1	6/28/99	15:17	N. Hurt	8260B	5824
Oronobeazene	HB	ag/kg	0.0016	0.0013	1	6/28/99	15:19	H. Hurt	82608	5824
ementemoroidonorD	22.27	ng/ko	0.0016	0.0013	1	8/28/99	15:19	M. Hurt	82680	5824
Oronoforu	HD	Hg/kg	0.0016	0.0013	1	6/28/99	15:19	A. Hurt	8268B	5824
Promomethane	HO	ng/kg	0.9015	0.0013	1	6/28/99	15:19	N. Hurt	82608	5824
2-Butanoae	AD.	на/ка	0.0078	0.0063	1	6/28/99	15:19	H. Huft	82688	5824
a-Kutglbeszese	HD	на/ка	9,0016	8,8913	1	8/78/99	15:17	N. Hurt	87608	3824
sec-Butylbenzene	MD	ng/kg	0.0015	0.0013	1	6/28/99	15:17	K. Hurt	3260E	5824
(-Butylbenzene	HD.	ng/kg	0.0016	0.0013	1	6/28/99	15:19	H. Hurt	62688	5824
Carbon disolfide	<b>H</b> \$	ng/kg	0.0016	9.0013	1	6/28/99	15: 19	X. Hurt	82688	5824
Carboa betrachloride	AD:	ng/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Shlorobenzene	₩D	ng/kg	0.0018	0.0013	1	6/23/99		N. Hurt	8260E	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94988

Sample ID: SB-13

Naligie	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Tine	Analyst	Hethod	Bato
	~=~===		******							
Chloroethane	MD	ng/kg	0.0016	0.0013	1	6/28/99	15:19	H. Hurt	8260B	582
-Chloroethglvinglether	HS.	ng/icq	0.0916	0.0013	1	6/28/99	15:19	H. Hurt	82600	582
Rioroform	80	ng/kg	0.0016	0.0019	1	6/28/99	15: 19	X. Hurt	82608	582
Chloremethane	MD	ng/kg	0.0016	0.0013	1	6/28/99	15: 17	H. Hurt	32600	587
l-Chlorotolwene	8E	на/ка	0.0015	0.0013	1	6/28/99	15:19	N. Hurt	82608	582
:-Chlorotoluese	MD	ng/kg	0.0016	0.0013	1	6/28/99	15: 19	H. Hurt	3766H	582
1,2-Dibromo-3-chloropropame	HD	ng/kg	0.0078	0.0063	1	6/28/77	15:19	8. Burt	8250H	582
National Properties	MD	ng/kg	0.0016	0.0013	3.	8/28/99	15:19	H. Hurt	8260H	582
L,2-Dibromoethame	ND.	ng/kg	0.0016	0.0013	1	6/23/99	15:19	N. Hurt	8260H	582
libromomethame	H8:	ng/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	82600	582
t.2-Dichlorobenzene	310	agricg	0.6016	0.0013	1	6/28/99	15:19	H. Hurt	82608	582
seszesénroldok (J. J. J	MD	rig/kg	0.0018	6.0013	1	8/28/99	15:17	M. Hurt	3260K	587
i,4-Dichlorobenzene	MD	ng/kg	0.8018	0.0013	1	5/28/99	15:19	N. Hurt	3260H	582
)ichlorodiFluoromethane	4K	ng/kg	0.0014	0.0013	1	6/28/99	15:19	A. Hurt	82400	582
1,1-Dichloroethase	HD	ng/kg	0.0018	0.0013	1	8/78/99	15: 17	K. Hurt	8260H	582
- 2-Dichlorosthame	MD	ng/kg	0.0016	0.0013	1	6/23/99	15: 17	H. Hurt	8260N	582
i_1-Bichlorestheme	HE	ng/kg	0.0014	0.0013	1	6/28/99	15:19	N. Hurt	82688	582
is-1,2-Dickloroethene	ND	ng/kg	0.0016	0.0013	1	6/28/99	15: 19	N. Hurt	82608	582
crans-1,2-Dichloroethene	MD GM	no/kg	0.0016	0.0013	1	8/78/79	15:17	8. Hurt	8250B	582
1,2-Dicklorepressee	HD	ng/kg	0.0016	8.0013	1	6/23/99	15:17	X. Hurt	8260B	582
1.3-Dichleroprepage	HD	ng/kg	8,0016	0.0013	1	8/28/99	15: 19	M. Hurt	8260E	582
1,2-Dichlorograpase	80	ng/kg	0.0016	0.0013	1	6/28/99	15:19	H. Hurt	82688	582
L.1-Dichloropropene	HD	ng/kg	0.0016	0.0013	1	6/28/99	15:19	A. Hurt	82608	582
pis-1,3-Dichloropropese	HD D	ng/kg	0.0018	0.0013	1	8/28/99	15: 19	H. Hurt	82600	582
trans-1,3-Dichloropropese	HD HD	ng/kg	0.0016	0.0013	1	8/28/99	15:19	H. Hurt	82600	582
Ethylbenzene	HD	ng/kg	0.0016	0.8813	1	8/28/77	15: 17	K. Hurt	8268B	582
texachlorodotadione	MD	ng/kg	0.0016	9.0013	1	8/28/99	15: 19	H. Hurt	8750E	597
ica oongaa oon caase ne iirii exanaae	HB	HB/KB	0.0073	0.0063	1	8/23/99	15: 19	N. Hurt	8260K	582
isogropylbearene	ND ND	ng/kg	0.0016	8.0013	1	6/28/77	15: 19	8. Hurt	37600	582
%-Isograpultaluene	46 nn	ng/kg	0.0016	0.0015	1	6/28/99	15:19	N. Hurt	82608	582
4-Metagl-I-pentanone	No.	ng/kg	8.0078	0.0063	1	6/28/99	15:19	N. Hurt	82608	582
Sethalene chloride	HD:	ng/kg	0.0078	0.0863	1	6/28/99	15:19	H. Hurt	82600	582
Raphthalene	No.	ng/kg	0.0015	0.0013	1	6/28/99	15: 19	N. Hort	82608	582
r-Propulbeareae	HD	ng/kg	0.0016	0.0013	1	8/23/99	15: 17	M. Hurt	82680	582
Ttyrene	ND	ng/kg	0.0016	0.0013	1	6/28/99		H. Hurt	82400	582
.i.i.i.z-Retrachloroethame	HD	ng/kg	9.0016	0.0013	1	6/28/99	15:19	N. Hurt	82688	282
1,1,2,2-Tetrickloroethane	HD:	ng/kg	8.901s	0.0013	1	6/78/99	15: 19	H. Hurt	82500	582
i,i,z,imeen komoroetaase Tetrachioroetheae	HD HD	ng/kg	0.0016 0.0016	0.0013	1	6/23/99	15:17	R. Hurt	82600	582
reur eunumeeuene Toluene		нд/жд нд/жд	0.0018	0.0013	1	6/28/99	15: 19	N. Hurt	82608	582
.ozuene 1,2,3-Trichlorobenzene	nd No		0.0016	0.0013	1	6/28/99	15:19	N. Hurt	62686	282
7 (1)		нд/Кд ньм-г		0.0013	1	6/78/99	15: 17	H. Hurt	8268K	582
i,2,4-Trichlerokenzene i,1,1-Trichleroethane	HD ND	Hg/kg marka	0, 0016 0, 0016	0.0013	1	8/28/99	15: 17	s. nort 8. Hurt	8260H	582
	ND un	mg/kg				6/28/99	15:19	H. Hurt	82688	582
i,1,7-Frichloroethame	H9	ng/kg	0.0016	0.0013 0.0013	1	6/28/99	15:17	n. nore N. Hurt	62686	285



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94988

Sample ID: SB-13

Page 4

Analyte	Result	Units	Report Limit	Ruaa Linit	Dil Factor	Date	Time	Analyst	Method	Batch
1.2,3-frichloropropage	HO.	ng/kg	0.0016	0.6013	1	6/28/99	15:19	N. Hurt	6260B	5824
1,2,4-Trinethylbenzene	ND	ng/kg	0.0016	0.0013	1	6/28/99	15: 17	M. Hurt	8260E	5874
1,3,5-Trimethylbenzene	ND .	ng/kg	0.0016	0.0013	1	6/28/99	15:17	H. Hurt	8260B	5824
Vingl chloride	AD.	ng/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	82688	5824
Kalenas	HD	ng/kg	0.9014	8,8013	1	6/28/99	15:19	N. Hurt	62688	3824
Tronodichloromethane	MD	ng/kg	0.0013	6.0013	1	8/78/99	15:19	M. Hurt	82608	5874
Frichlorofluoromethame	HD	ng/kg	0.6016	0.0013	1	6/28/99	15: 17	H. Hurt	82600	5874
HGENERAL CHEMISTRY PARAME	TERS#									
I bry Waight	81.	7			1	7/ 1/99	11:19	Fitzwater	CLP	3154

AD = Not detected at the report limit.

#### Sample Extraction Data

Parangtar	Ut/Vol Extracted	Extract Vol	Date	Analyst	Nethod
					*****
OHÁTE	50.0 ga	1.0 ml	6/30/99	Fitzwater	3558
Volutile Urganics	7.9 4	5.0 ห1	6/24/99	N. Hurt	5035

Surregate	% Recovery	Target Range
surr-1,2-Dichloroethame, i4	116.	48 160.
surr-Foluege 40	96.	79 119.
surr-1-dromofluorobenzeme	98.	69 135.
surr-Dibromofisoromethame	105.	63 135.
surr-Hitrobenzene-d5	17.	20 110.
surr-2-Fluorodiphengl	53.	13 110.
surr-Terphengl di4	<b>37.</b>	27 128.
surr-Phenel 45	63.	10 111.
Surr-1-Fluorophesol	35.	10 107.
surr-2,4,5-Tribranophenol	71.	14 110.

All samples have been corrected for dry weight.

2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94988

Sample ID: SE-13

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 84009



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
FSSA JOHNNIE DODDS BLDV
1T. PLEASANT/ SC 27464

andlect 3483

Project Name: ERM Sampler: ROD TRUMAN Lab Number: 99-A94989

Sample ID: SB-14 Sample Type: Soil

Site ID:

Date Collected: 6/24/99
Time Collected: 12:40
Date Received: 6/26/99
Time Received: 7:00

				Report	Ruan	Dil					
laalgte		Result	Units	Linit	Linit	Factor	Date	Time	Analyst	Nethod	Bato
				100 and 100 and 100 and	**************************************						
*EXTRACTABLE GREA	MICIK										
Acemophthese		MD.	Hg/kg	8, 398	8, 330	1	77 5/99	ð: 86	M. Goodrich	8278C	7018
loemaghthylene		粉	ng/kg	0.398	0.330	1	77 5/99	6:06	ff. Goodrich	82700	7018
enthracese		MD	ng/kg	B. 398	8, 330	1	7/ 5/99	5:86	M. Goodrich	8270C	7018
Cenzo(a) anthrace:	语	MD	ng/kg	8. 373	6.339	1	77 5/99	<b>5:06</b>	M. Goodrick	82700	7018
Senzo(a) parene		ND	ngika	8.378	0.330	1	77 5799	6:06	M. Goodrich	8270C	7018
(enzo(b)fluoranti	iene	MD	ng/kg	8.393	0.330	1	77 5799	ð: 8ð	M. Goodrich	3270C	7018
Jenzolgja Haergl	lene	AD	ma/kg	0.398	9.330	1	77 5/99	6:06	M. Goodrick	8270C	7916
(enzo(k) fluorant)		ЯD	ng/kg	0.398	9, 330	1	77 5799	<b>8:08</b>	M. Soodrich	8278C	7818
4-Urchophenylpher	wiether	242)	ng/kg	0, 398	0.330	1	7/ 5/99	ó: 86	M. Soodrich	8279C	7019
Putalbens (Lphtha)	-	HD	ng/kg	0.398	0.330	1	77 5799	6:36	M. Goodrich	82790	7916
Carbagala		AD.	सबुर/देख	0.398	0.330	1	77 5/99	8:06	M. Goodrich	8270C	7618
-Chioro-3-metagl	ahesal	HD OR	संब्र/हिब्	0, 398	0.330	1	77 5799	6:86	N. Goodrich	8278C	7016
4-Chloroaailise		MD	ng/kg	0.398	9.930	1	77 5799	6:86	N. Goodrich	8270E	7018
iis(2-Chloreetho:	enchierina	HD	ng/kg	0.398	0.330	4	77 5/99	6:06	M. Goodrich	8270C	7018
dist2-Chloroethy		MD	ng/kg	0.398	0.330	1	7/ 5/99	6: 06	n. Seedrick	8270C	7018
dis(2-Chleroisop		HD	ng/kg	0. 398	0.330	1	77 5/99	\$: O\$	M. Goodrich	8270C	7018
2-Chloronaphthele		HI)	ng/kg	0.398	0.330	1	77 5/99	6:86	M. Goodrich	3270C	7018
2-Chlorophenoi	. 2842	HD	ng/kg	8.378	0.330	1	77 5799	6: 86	M. Soodrich	8270C	7018
4-Chlorophenglphe	inglathar	HB	ngvyd vàr v s	0.398	0.330	1	7/ 5/99	6:86	M. Goodrich	8278C	7018
guldzaus s entasakusuātkus	reigna veitae	HB No.	सदै\[स्ट्रे लक्ष्य	0.378	0.330 0.339	1	7/ 5/99	6:86	M. Goodrich	8270C	7018
dibenzoforan		HD	ng/kg	0.398	0.330	1	7/ 5/99	6:08	M. Goodrich	8270C	7018
hibenzia,hkaathro	.ರವಚನ	NO	navea navea	0.398	0.330	1	77 5/99	6:86	M. Goodrich	8270C	7018
t.2-Dichlorobeare		ND NO	un/ka unerd	0.398	0.330 0.330	1	7/ 5/99	6:06	M. Soodrich	8270C	7018
ija-Dioniorobenza		HD HD	ng/kg	0.378	8, 338	1	7/ 5/99	6: 06	M. Scodrich	3270C	7018
i,4-Dicklorebeaza		4D 20	ng/kg ng/ ng	0.398	0.330	1	7/ 5/99	6: 86	M. Goodrich	8270C	7018
i,3°-Dicalorobeni		1757 1757	utykl utvr	0. 375	0.550	1	7/ 5/99	6:06	M. Goodrich		7016
a,a atomiorophem 1.4-Dichlorophem		48 48		0.175 0.398	0.000 0.330	1	7/ 5/99	6:06	M. Goodrich		7818
	12	ar KD	ng/kg	9.378	9.330	1	7/ 5/99	6: 86		8278C	7018
Diethylonchalate	. 7		ng/kg		8, 330	1	7/ 5/99	6: 86	M. Goodrich	8278C	7018
2,4-Dinethylpheno		HD	uð∖ķð	0.398					M. Scodrich		
Pinethylphthalata		HD sec	ng/kg	9, 398	0.330	1	7/ 5/99	6:06	M. Soodrich		7018
Ni-a-butglahthal:		<del>80</del>	ng/kg	0.398	a. 330	1	77 5/99	6:86	M. Goodrich	82700	7018
4,6-Deartro-2-mei		HC:	ng/kg	0.994	0.825	1	7/ 5/99	6:96	N. Soodrich	8279C	7018
2,4-Dinitrophenol		ЖD	ng/kg	8.994	0,825	1	7/ 5/39	<b>6</b> : 86	n. Goodrich	827BC	7018
2,4-dimitrotalue		GK 	भग्न-४ व	0.378	0.330	Ī	77 5/99	6:06	n. Goodrich	8270C	7018
1,6-Dimitrotolue	3€	מא	ng/kg	0.378	0, 330	1	77 3/99	8:08	N. Goodrich	82700	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94989

Sample ID: SB-14

Baalyte	Result	Units	Report Limit	Wuan Limit	Dil Factor	Date	Tine	Amalyst	Method	Nate
					****					
Di-a-octylabthalate	HD	ng/kg	0.398	0. 330	1	77 5799	6:06	M. Goodrich	8270C	7018
Fluoranthene	HD	ng/kg	0.398	0.380	1	7/ 5/99	6:06	M. Goodrich	62780	7016
Fluorene	AD.	ng/kg	8.398	8.338	1	7/ 5/99	6:08	M. Goodrich	8278C	7018
Hexachlorobenzene	ЖD	nq/kq	0.399	8, 330	1	7/ 5/99	6: 86	M. Goodrich	8270C	7013
Mexacalorobutadiene	<b>%</b> 5	ng/kg	8.398	0.350	1	77 5/99	6:86	M. Goodrich	8278C	7618
Hexachlorocaclogentagiene	MD	ng/kq	0.398	0.330	1	77 5/99	8: 86	n. Goodrich	8270C	7018
Hexachloroethane	MD	Hq/kq	6, 393	0.330	3	77 5/99	6: <del>8</del> 6	M. Goodrich	8278C	7013
Indeno(1,2,3-od)pyrene	ND	11g/kg	8.398	B. 330	3.	7/ 3/99	6:86	M. Goodrich	8278C	7818
isophorose	ЯÐ	isg/kg	8, 398	0.330	1	7/ 5/99	6: 86	M. Soodrich	8278C	7918
Z-Methglauphthalese	%Q)	ng/leg	0.398	0.330	1	77 5799	6:36	M. Goodrich	8270C	7018
2-Methylphenol	ND	ng/ics	0.398	8.330	1	77 5799	6:86	a. Coodrich	8278C	7016
ionedqiphemoi	NO	ng/kg	0.398	D. 338	1	77 5/99	6:06	it. Goodrich	8278C	7018
Maphthalene	HD	ng/kg	0.398	0.330	Ī	77 5799	<b>6: 86</b>	M. Goodrick	8270C	7013
I-Nitrosailise	435	ng/%q	0.774	8,825	1	77 5799	6:86	M. Goodrich	8278C	7018
9-Hitroamiline	ND:	सव्यक्ष	0.774	0.825	1	77 5799	5:06	M. Goodrich	8270C	7016
4-Witrosmilise	}!D	ng/ko	0.794	0.825	1	77 5/99	6: 06	M. Goodrich	8278C	7018
Mitrobeazone	MD	nq/kq	0.398	0.330	1	7/ 5/99	6:06	M. Sondrich	8270C	7018
2-Xitroshenol	HB	ng/kg	8.398	0.330	1	77 5/99	6:96	M. Goodrich	82786	7018
4-Hitrophenol	20	त्रवृत्यस्य	0.994	0.825	1	77 5/99	6:06	M. Goodrich	8270C	7018
H-nitrosodi-a-propylamiae	4D	ng/kg	0.398	0.880	1	7/ 5/99	5:86	M. Goodrich	\$270C	7018
V-nitrosodiphenglanine	80	सव्यक्ति	0.398	8.330	1	7/ 5/99	6:86	M. Spodrich	8270C	7016
Pentachiorophenol	HP	ng/kg	0.994	9.825	1	77 5/99	6:06	ff. Soodrich	8278C	7018
Phenanthrene	HD	payon	0.378	0.330	1	7/ 5/99	6: O6	M. Goodrich	8270C	7018
2henol	MD	ng/kg	9. 378	0.330	1	77 5799	6: 66	M. Goodrich	8278C	7018
Salese	ND	Hg/ka	0.398	0.330	1	7/ 5/99	6:86	A. Soodrich	8278C	7018
Wis42-ethqibexql)phthalate	ND	ng/kg	9, 398	0.330	1	7/ 5/99	6: 08	M. Goodrich	82780	7018
1.7.4-Trichlorobearese	KD OK	ng/kg	0.398	0.330	<u>1</u>	7/ 5/99	š: 88	M. Scodrich	8276C	7018
1,4,5-Trichlorophenol	翔	ng/kg	0.794	0.825	1	7/ 5/99	5:06	M. Goodrich	3278C	7018
7,4.6-Frichlorophenol	AD GR	ng/kg	8.378	0.330	<u>*</u>	7/ 5/99	<b>8:08</b>	N. Scodrich	8270C	7018
WURLATTLE BREAKTESS										
Apetone	KD	ng/kg	0,0070	8,0075	1	6/28/99	15: 52	N. Hurt	82606	5824
Senzene	HD	иф/ка	0.0013	0.0015	1	6/28/99	15: 52	H. Hurt	8260R	5824
Oranobenzene	HD.	ng/kg	0.0018	0.8615	į	6/28/99	15:52	H. Hurt	8260B	5824
Sromenhluromethame	स्र	संब्र/रेख	0.0019	0.0015	1	6/28/99	15:52	X. Hurt	82698	5824
стоноботн	HD	ng/kg	0.0018	0.8013	ĭ	8/28/99	15:52	H. Hurt	8250F	5824
Gromonetàsae	MD	ng/kg	0.0013	0.0015	1	8/28/97	15: 52	M. Hurt	3260H	5874
I-Britanoue	<b>HB</b>	ng/kg	0.0090	9.0075	Ī	6/28/99	15:52	N. Hurt	8260B	5824
a-Mutalbeazene	XD	ng/kg	9, 9913	0.0015	1	8/78/99	15:52	M. Murt	8750R	2834
rec-Butglbenzene	持D	ng/ka	0,0013	0.0015	1	5/28/99	15: 52	H. Hurt	8260B	5824
t-Kutalbeszese	ND	ng/kg	0.0018	0.0015	I	8/28/99	15: 52	M. Hurt	82600	5874
Carbon disulfide	KD	ng/kg	5, 8618	0.0015	1	8/28/99		N. Hurt	8280B	5874
Carbon tetrachloride	HD	∺g/kg	0.0013	8,9015	1	6/28/99	15:52	H. Hurt	87600	5824
Chlorobenzene	KD	ng/kg	0.0018	0.0015	1	6/28/99		H. Hurt	3260B	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94989

Sample ID: SB-14

- 	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Tine	Analyst	Method	Vate
and the state of t	***********				7 001.01	p q c c	17116	nnaxy5:	11651100	7.000
Chloroethane	MD	ng/kg	0,0013	0.0015	1	6/23/99	15: 52	K. Hurt	3260K	5824
2-Chloroethglviaylether	45	सक्र/इस	0.0018	8.0815	1	6/28/99	15:52	N. Hurt	82600	5824
Moroform	HD	ngAkg	0.0016	0.0015	1	6/28/99	15:52	H. Hurt	62688	5824
Chloromethace	MD	Bg/kg	0.0013	0.0015	3	8/78/99	15:52	N. Hort	8760R	5874
Z-Chlorotolvene	HD	ng/kg	0.0013	9, 9915	1	8/28/79	15: 57	M. Hurt	8750H	5824
4-Chlorotalbene	HD:	ng/kg	0.0018	0.0015	1	6/28/77	15:52	N. Hurt	82600	5824
Z-Gibrono-5-chiorogrogana	MB	सपुर हे कु	9.0070	8,9975	1	6/28/99	15:52	X. Hurt	8268B	5624
Nibromochloromethane	MD	ng/kg	0.0013	6, 9015	1	6/28/99	15: 5Z	M. Hurt	37600	5874
l,Z-Bibronsethose	研	ng/kg	0.0016	0.0015	1	6/28/99	15:52	A. Hurt	82508	5824
Vibronemethane	HD.	ng/kg	0.0018	0.0015	1	6/28/99	15:52	W. Hort	82608	5824
i.Z-Dichlorobenzege	MD	нулка	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8268B	5824
i,3-Dicelorobeszene	HD	ng/kg	0.0018	0.0015	1	6/28/99	15: 52	A. Hurt	8268B	5824
i,4-Dichlorobenzene	MD	ng/kg	0.0013	9,0015	1	6/28/99	15: 52	X. Hurt	8260I	5824
Pichlaredi Fluoromethame	30	ng/kg	0.0018	0.0015	1	5/28/99	15: 52	H. Hurt	8260B	5924
i i-Dishlorosthame	MD	ng/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	82688	5824
t 2-Crahloroethane	ap	ng/kg	0.0018	0.0015	1	6/28/99	15:52	H. Hurt	8268B	5824
i,i-Gishlarcethene	<del>110</del>	ng/kg	0.0018	9.9915	7	6/28/99	15:52	H. Hurt	8260B	5824
ris-1,2-Vichloroethese	ND	Hilly Hill or house	0.0018	0.8015	Ī	6/29/99	15:52	A. Hurt	8260B	5824
brassi,2-Dichloroetheae	42 42	ng/kg	0.0018	0.0015	1	8/28/99	15:52	N. Hurt	8280K	5874
1,2-0:chlorograpane	46.p	ng/kg	0.0018	0.0015	1	6/28/99	15: 52	H. Hurt	82608	5824
t,3-Disaloroscopane	HS.	ng/kg	0.0018	9.0015	1	6/28/99	15:52	a. Hort	82608	5824
1,2-Bloblerepropane	HD	нулку нулку	9.0018	0.0015	1	8/28/99	15: 52	H. Hurt	8240H	3824
i 1-Dichleropropene	ND NO	ng/kg	8.0018	8.0015	1	6/28/99	15: 52	8. Hurt	8260K	5874
sis-1,3-Dichloropropene	70 70	ng/kg	0.0010	0.0015	1	6/28/99	15: 52	a. norc a. Hurt	82688	5824
trans-1,9-0ichloropropene	40		0.0010	0.0015	1	6/28/99	15:52	n. nore N. Hert	8268B	5824
Chylbenzene Chylbenzene	HD	ng/ky		0.0015	1	6/28/99	15: 52			
iengioenzene Kexachiorobutzallene	40 40	ng/ka	0.0018 0.0018	9.0015	1	6/28/99	15:52	H. Hurt H. Hurt	8260B	5824
j-Beroudse j-Beroudse	ND ON	ng/kg					15: 57		8260B	5824
	KO	HB/KB	0.0070	0.0075	Ī.	\$/28/99	15: 52	R. Hurt	8250B	5874
isopropoleenzene 1-Tanamandiakena		ng/kg	0.8013	0.0015	1	6/28/99		M. Hort	8260K	5824
4-Isonropultolyene	<del>110</del>	ng/kg	0.0018 0.0090	9.8815	1	6/28/99	15: 52 15: 52	A. Hurt	82608 92608	5824
#-Metagl-1-pentanone	MD	ng/kg		9.9975	1.	6/28/99		H. Hort	\$2608	5824
Tetholene chloride	20 Vin	Hg/kg	0.0070	9.0075	1	\$/28/99	15:52	H. Hort	82600	5874
laphthalese	OK OK	ng/kg	0.0013	0.0015	1	6/28/99		Hert	8260W	5824
-Frogulagozone	HD sur	ng/kg	0.0018	9.0015	1	6/28/99	15:52	M. Hurt	82608	5824
Styrene	H2	ng/kg	0.8818	0.0015	1		15:52	H. Hurt	82600	5824
1.1,1,2-Tetrachluroethaue	HG.	tig/kg	0,0018	0.8815	1	6/28/99	15:52	X. Hurt	82600	5824
.1,2,2-Tetrachleresthams	HD HD	ng/kg	0.0013	9.0015	1	6/28/99	15:57	N. Hurt	8240H	5824
etrachioroethene	ND	ngrkg	0.0018	8.9015	1	5/23/99	15:52	H. Hurt	8260II	5824
Giuste	HD.	на/ка	0.0018	0.0015	1	6/28/99	15:52	H. Hurt	8260B	5824
l,2,5-Trichlorobenzene	HD	иã∖ķā	0.0018	0.0015	1	6/28/99	15: 52	M. Hurt	8260K	5824
1,2,4-Trichlorobenzewe	HD	ng/kg	0.6018	0.0015	1	8/78/99	15:52	M. Hurt	82600	5824
1,1-irichloreethame	180	Hq/kq	0.0018	0.0015	1	\$/28/99		H. Hert	8260R	5824
1,1.2-Trichloroethane	MD.	Hg/kg	0,0018	0.0015	3	6/28/99	15: 52	H. Hurt	825010	5874
richloroetheae	HD	H <b>g/</b> kg	8,0813	0.0015	1	5/23/99	15: 52	H. Hurt	328011	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94989

Sample ID: 58-14

Page 4

Asolyte	Result	Units	Report Linit	Avan Linit	Dil Factor	Date	Tine	Analyst	Method	Natch
1,2,3-Trichloropropane	ЯD	un Men	0,0018	0.0015	1	6/28/99	15: 52	H. Hurt	9260K	5824
1,2,3-sricutoropropame 1,2,4-Trinethulbenzeme	NO NO	ng/kg ng/kg	8. 8018	8, 0015	1	6/28/99	15: 52	N. Nort	82600	5874
1,3,5-Trinethylbenzene	7D	ng/kg	0.0013	0.0015	1	6/28/99	15:52	N. Hurt	8260E	5824
Vinyl chloride	40	ng/ka	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8268B	5824
Nglenas	HD	ng/kg	0.0018	0.0015	1	6/28/93	15: 52	K. Hurt	82600	5874
Gronodichloromethame	HD	ng/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8260B	5824
Frichlorofluorenethams	<del>11</del> 0	ng/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	82608	5824
«GEMERAL CHEMISTRY PARAME	TERS#									
d Deg Weight	83	X			1	7/ 1/99	11:19	Fitzuater	CLP	3154

MD = Not detected at the report limit.

## Sample Extraction Data

Parapater	We:Wol Extracted	Extract Vol	Date	Analyst	Method
OMA's	30 O gn	1.8 al	6/30/99	Fitzwater	95 <b>50</b>
Volatile Osganics		5.8 al	6/24/99	N. Hurt	5035

Surrogate	% Recovery	Target Range
The state of the s		***********
surr-i,2-bichloroethame, i4	125.	48 160.
surr-Toluese 37	<i>3</i> 7.	79 119.
ourr-4-GrowoFluorobenzene	71.	69 135.
eurr-Dibremofluoromethame	114.	63 135.
surr-Nitrobenzene-d5	52.	20 110.
surr-2-fluorodiphenyl	56.	18 118.
surr-ferphengl did	67.	27 123.
surr-Phenol d5	67.	18 111.
kerr-2-Flooroghwnol	34.	10 107.
sorr-2,4,6-Tribronophenol	77.	14 110.

all samples have been corrected for dry weight.



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

#### ANALYTICAL REPORT

Laboratory Number: 99-A94989

Sample ID: SB-14

Page 5

Report Approved By:

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 84009



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## ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424 TERESA BRAILSFORD

785A JOHNNIE DODDS BLDV 4T. PLEASANT, SC 29464

Project: 9489

Project Mame: ERM Samplar: RUD TRUMAN Lab Number: 99-A94990

Sample ID: SB-15 Sample Type: Soil

Site ID:

Date Collected: 6/24/99 Time Collected: 13:15 Date Received: 6/26/99 Time Received: 9:00

### Package   No	lyte	Sesult	Units	Report Limit	Quan Linit	Dil Factor	Date	Tine	Analyst	Method	Nato
Second   S		***********	-		AND THE RESIDENCE			-	The limit has will see aff the limit and one		
	TRACIODLE URGANICSA										
### ### ##############################	naphChene	70°	ку/ка	0.393	0.390	1	77 5/99	6:42	A. Soodrich	8279C	7018
Benzo(a) anthraceae	naphthylene	ND	ng/kg	0.393	0.360	1	77 5799	6:42	A. Soodrich	8270C	7018
Company   Comp	hranene	HD.	mg/kg	0.393	0.350	1	77 5799	6:42	R. Soodrich	8270C	7016
Senzo(b)Fluorantheme NB mg/kg 0.393 0.330 1 77 5/99 6:42 N.Goodrich 8270C mszo(g,h.;)pergleme NB mg/kg 0.393 0.330 1 77 5/99 6:42 N.Goodrich 8270C mszokenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyiphenyi	zo(a)authraceae	HD.	ng/kg	0.393	0.998	1	77 5/99	6:42	M. Goodrich	8270C	7018
Denzo(g,h,t)perglane HD mg/kg 0.393 0.390 1 7/ 5/99 6:42 M.Goodrich 82700	zo(a)parene	WO	स्वर्देश्य	9.393	0.330	1	77 5/99	6:42	N. Goodrich	82700	7018
Denic(g,A,1)perglene	zo(b)fluorantheme	80	ng/kg	8.393	9.330	1	77 5/99	6: 42	M. Goodrich	6270C	7018
### Senzotk Flooranthene	zo(q.h.t)serqiene	MB		0.393	0.330	1	77 5799	6:42	ñ. Goodrich	8270C	7018
### Processophengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengiphengi		HD	-	0.393	0.330	1	7/ 5/99		n. Goodrich	8270C	7018
Subspice any Lambabalate         AD         ng/kg         0.393         0.380         1         77.5797         6:42         N. Goodrich         82700           Carbazole         AD         ng/kg         0.393         0.300         1         77.5797         6:42         N. Goodrich         82700           4-Chloro-3-methglphenol         AD         ng/kg         0.393         0.300         1         77.5797         6:42         N. Goodrich         82700           4-Chloro-3-methglphenol         AD         ng/kg         0.393         0.300         1         77.5797         6:42         N. Goodrich         82700           4-Chlorosethoglymethane         AD         ng/kg         0.393         0.300         1         77.5797         6:42         N. Goodrich         82700           2-Chlorosethoglymethane         AD         ng/kg         0.393         0.330         1         77.5797         6:42         N. Goodrich         82700           2-Chlorosethoglymenel         AD         ng/kg         0.393         0.330         1         77.5797         6:42         N. Goodrich         82700           2-Chlorosethoglymenel         AD         ng/kg         0.393         0.330         1         77.5797         <	remochenulabenulether					1	77 5799	6:42	n. Condrich		7018
Carbazole         ND         ng/kg         0.393         0.393         1         77 5/99         6:42         M. Goodrich         8270C           4-Chloromiline         ND         ng/kg         0.393         0.390         1         77 5/99         6:42         M. Goodrich         8270C           disC2-Chloromidization         ND         ng/kg         0.393         0.390         1         77 5/99         6:42         M. Goodrich         8270C           disC2-Chloromidization         ND         ng/kg         0.393         0.390         1         77 5/99         6:42         M. Goodrich         8270C           disC2-Chloromicopropglether         ND         ng/kg         0.393         0.390         1         77 5/99         6:42         M. Goodrich         8270C           Z-Chloromicopropglethalene         ND         ng/kg         0.393         0.330         1         77 5/99         6:42         M. Goodrich         8270C           Z-Chloromicophenol         ND         ng/kg         0.393         0.330         1         77 5/99         6:42         M. Goodrich         8270C           2-Chlorophenol         ND         ng/kg         0.393         0.330         1         77 5/99         6:42			4 4		0,330			6:42			7618
4-Chloro-3-methylphenol ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C d-Chloroshiline ND mg/kg 0.393 0.380 1 7/ 5/99 6:42 M.Goodrich 8270C dis(2-Chlorosthoxy)methame ND mg/kg 0.393 0.380 1 7/ 5/99 6:42 M.Goodrich 8270C dis(2-Chlorosthoxy)methame ND mg/kg 0.393 0.380 1 7/ 5/99 6:42 M.Goodrich 8270C dis(2-Chlorosthoprophyl)ether ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7-Chloroshiline ND mg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 7								6:42			7016
### Chloropaniline					0.330						7018
### 15											7018
DisC2-Caloroethylether         HD         ng/kg         0.393         0.330         1         7/5/99         6:42         N. Goodrich         8270C           bis(2-Cbloroisopropyl)ether         MD         ng/kg         0.393         0.330         1         7/5/99         6:42         N. Goodrich         3270C           2-Chlorophenol         MD         ng/kg         0.393         0.330         1         7/5/99         6:42         N. Goodrich         3270C           2-Chlorophenol         MD         ng/kg         0.393         0.330         1         7/5/99         6:42         N. Goodrich         3270C           4-Chlorophenol         MD         ng/kg         0.393         0.330         1         7/5/99         6:42         N. Goodrich         8270C           Chrysene         MD         ng/kg         0.393         0.330         1         7/5/99         6:42         N. Goodrich         8270C           Chrysene         MD         ng/kg         0.393         0.330         1         7/5/99         6:42         N. Goodrich         8270C           Chenythan         MS         ng/kg         0.393         0.330         1         7/5/99         6:42         N. Goodrich         8270C											7018
#is(2-Chloredisopropyl)ether MD	-										7018
Z-Chlorenaphthalene ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 2-Chlorenaphthalene ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 4-Chlorenaphthalene ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 4-Chlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 4-Chlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 4-Chlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 4.2-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 4.3-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 4.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.330 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.393 1 7/ 5/99 6:4Z M.Goodrich 8270C 5.4-Dichlorenaphthalate ND ng/kg 0.393 0.393 1 7/ 5/99 6:4Z M.Goodri											7018
2-Chlorophenol ND											7018
### Chlorophenylphenylether	'										7018
Unrysene	·					_					7018
### ### ##############################	* ' *										7018
Others ( ), b) authragene         HO         ng/kg         0.393         0.386         1         77 5/99         6:42         N. Goodrich         0270C           1,2-Dichlorobenzene         HO         ng/kg         0.393         0.300         1         77 5/99         6:42         N. Goodrich         0270C           1,4-Dichlorobenzene         HO         ng/kg         0.393         0.300         1         77 5/99         6:42         N. Goodrich         0270C           3,3-Dichlorobenziene         HO         ng/kg         0.393         0.300         1         77 5/99         6:42         N. Goodrich         0270C           3,3-Dichlorobenziene         HO         ng/kg         0.393         0.300         1         77 5/99         6:42         N. Goodrich         0270C           3,3-Dichlorobenziene         HO         ng/kg         0.393         0.300         1         77 5/99         6:42         N. Goodrich         0270C           2,4-Dichlorophenol         HO         ng/kg         0.393         0.300         1         77 5/99         6:42         N. Goodrich         0270C           7,4-Oinethylphenol         HO         ng/kg         0.393         0.300         1         77 5/99         6:42<	*										7016
1,2-Sichlorohenzene       8D       ng/kg       0.393       0.330       1       7/ 5/99       6:42       N. Goodrich       82700         1,3-Dichlorohenzene       8D       ng/kg       0.393       0.380       1       7/ 5/99       6:42       N. Goodrich       82700         1,4-Dichlorohenzene       8D       ng/kg       0.393       0.330       1       7/ 5/99       6:42       N. Goodrich       82700         3,3-Dichlorophenzidine       8D       ng/kg       0.786       8.660       1       7/ 5/99       6:42       N. Goodrich       82700         2,4-Dichlorophenzidine       8D       ng/kg       0.393       0.330       1       7/ 5/99       6:42       N. Goodrich       82700         2,4-Dichlorophenzidine       8D       ng/kg       0.393       0.330       1       7/ 5/99       6:42       N. Goodrich       82700         2,4-Dinethylphenzidine       8D       ng/kg       0.393       0.330       1       7/ 5/99       6:42       N. Goodrich       82700         2,4-Dinethylphenzidine       8D       ng/kg       0.393       0.330       1       7/ 5/99       6:42       N. Goodrich       82700         2,4-Dinethylphenzidine       8D			4 ,2								7016
L,3-Dichlorobenzene HD Hg/kg 0.393 0.300 1 7/ 5/99 6:42 M.Goodrich 8270C 1,4-Dichlorobenzene HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 3,31-Dichlorobenzidine HD Hg/kg 0.786 8.660 1 7/ 5/99 6:42 M.Goodrich 8270C 2,4-Dichlorophenol HD Hg/kg 0.393 0.390 1 7/ 5/99 6:42 M.Goodrich 8270C 0:ethylphthalaide HD Hg/kg 0.393 0.390 1 7/ 5/99 6:42 M.Goodrich 8270C 2,4-Dinethylphthalaide HD Hg/kg 0.393 0.393 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 0:inethylphthalaide HD Hg/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C											7018
1,4-Dichlorobenzene       80       Hg/kg       0.393       0.330       1       7/5/79       6:42       N.Goodrich       8270C         3,31-Dichlorobenzidine       HD       Hg/kg       0.786       8.660       1       7/5/79       6:42       N.Goodrich       8270C         2,4-Dichlorophenol       HD       Hg/kg       0.393       0.390       1       7/5/79       6:42       N.Goodrich       8270C         0:athylphthalaice       HD       Hg/kg       0.393       0.330       1       7/5/79       6:42       N.Goodrich       8270C         0:aethylphthalaice       HD       Hg/kg       0.393       0.330       1       7/5/79       6:42       N.Goodrich       8270C         0:inethylphthalaice       HD       Hg/kg       0.393       0.330       1       7/5/79       6:42       N.Goodrich       8270C         0:inethylphthalaice       HD       Hg/kg       0.393       0.330       1       7/5/79       6:42       N.Goodrich       8270C         0:inethylphthalaice       HD       Hg/kg       0.393       0.330       1       7/5/79       6:42       N.Goodrich       8270C         0:inethylphthalaice       HD       Hg/kg       0.393			7 17								7016
3,31-Diphlorophenzidine HD ng/kg 0.788 8.868 1 7/ 5/99 6:42 N.Goodrich 8270C 2,4-Diphlorophenol HD ng/kg 0.393 0.398 1 7/ 5/99 6:42 N.Goodrich 8270C Diethylphthalate HD ng/kg 0.393 0.390 1 7/ 5/99 6:42 N.Goodrich 8270C 2,4-Dimethylphenol HD ng/kg 0.393 0.338 1 7/ 5/99 6:42 N.Goodrich 8270C Dimethylphenol HD ng/kg 0.393 0.338 1 7/ 5/99 6:42 N.Goodrich 8270C 0:4-n-Dutylphthalate HD ng/kg 0.393 0.398 1 7/ 5/99 6:42 N.Goodrich 8270C 0:4-n-Dutylphthalate HD ng/kg 0.393 0.398 1 7/ 5/99 6:42 N.Goodrich 8270C 0:4-Dimitro-2-methylphenol HD ng/kg 0.393 0.393 1 7/ 5/99 6:42 N.Goodrich 8270C 0:4-Dimitro-2-methylphenol HD ng/kg 0.982 0.825 1 7/ 5/99 6:42 N.Goodrich 8270C 0:4-Dimitro-2-methylphenol HD ng/kg 0.982 0.825 1 7/ 5/99 6:42 N.Goodrich 8270C											7018
2,4-Dichlorophenol						· <del>-</del>					7013
Diethylphthalate       80       mg/kg       0.393       0.393       1       7/5/99       6:42       M. Goodrich       8270C         2,4-Dimethylphenol       80       mg/kg       0.393       0.330       1       7/5/99       6:42       M. Goodrich       8270C         Vinethylphthalate       80       mg/kg       0.393       0.330       1       7/5/99       6:42       M. Goodrich       8270C         Vinethylphthalate       80       mg/kg       0.393       0.330       1       7/5/99       6:42       M. Goodrich       8270C         4,6-Dimitro-2-methylphenol       80       mg/kg       0.982       0.825       1       7/5/99       6:42       M. Goodrich       8270C         2,4-Dimitrophenol       80       mg/kg       0.782       0.825       1       7/5/99       6:42       M. Goodrich       8270C											7016
7,4-Dimethylphenol MD mg/kg 0.393 0.388 1 7/ 5/99 6:42 M.Goodrich 8270C Dimethylphenol MD mg/kg 0.393 0.388 1 7/ 5/99 6:42 M.Goodrich 8270C 7:-n-butylphthalate MD mg/kg 0.393 0.388 1 7/ 5/99 6:42 M.Goodrich 8270C 4.6-Dimitro-2-methylphenol MD mg/kg 0.982 0.825 1 7/ 5/99 6:42 M.Goodrich 8270C 2,4-Dimitrophenol MD mg/kg 0.982 0.825 1 7/ 5/99 6:42 M.Goodrich 8270C								-			7018
Winetagiphthalate         MD         mg/kg         0.393         0.330         1         7/ 5/99         6:42         M. Goodrich         82700           0:4-m-butglphthalate         MD         mg/kg         0.393         0.330         1         7/ 5/99         6:42         M. Goodrich         82700           4.6-Dimitro-1-methglphenol         MD         mg/kg         0.982         0.825         1         7/ 5/99         6:42         M. Goodrich         82700           2,4-Dimitrophenol         MD         mg/kg         0.825         1         7/ 5/99         6:42         M. Goodrich         82700	P. C.										7018
7:-n-butglphthalate MD ng/kg 0.393 0.330 1 7/ 5/99 6:42 M.Goodrich 8270C 4:6-Dimitro-1-methglphenol MD ng/kg 0.982 0.825 1 7/ 5/99 8:42 M.Goodrich 8270C 2:4-Dimitrophenol MD ng/kg 0.982 0.825 1 7/ 5/99 6:42 M.Goodrich 8270C	" '										7016
4.6-Dimitro-2-methylphenol MD	2 .										7016
2,4-Dinitrophenoi XD mg/kg 8.782 8.825 1 7/5/79 6:42 M.Goodrich 8270C			-								
						_					7018
	· ·										7018
1,4 minimizatione no ngrky 0.575 0.550 1 77 577 6.42 N. 6000 migrky 0.576 0.550 1 77 577 6:42 N. 6000 migrky 0.576 0.550 1	-dimitrotolyene	ar T	ng/kg	9.393	9.338				M. Goodrich		7018 7018



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## ANALYTICAL REPORT

Laboratory Number: 99-A94990

Sample ID: SB-13

enslyte	924112	11 m 4 A =	Report	Rean	Dil	n - 2 -	71	An = 7 A	Markey	71-3
2031 65 A	Result	Units	Linit	Linit	Factor	Date	Tine	Analyst	Nethod	[[atc
N-a-octulekthalata	NO	ng/kg	8.373	8,330	1	7/ 5/99	6:42	M. Goodrich	8279C	7018
Fluoranthese	HD	<b>भष्/क्षे</b> षु	8, 393	0.330	1	7/ 5/99	6: 42	M. Goodrich	8270C	7018
Fluorene	MD	Hq/kq	8. 373	0.330	1	77 5/99	6: 47	M. Soodrich	8270C	7018
Mexachlorobenzene	HD	ng/kg	8, 373	8, 330	1	77 5/99	6: 42	M. Goodrich	3270C	7018
Merachlorobutadiene	#D	ng/kg	0.393	0,330	3	77 5/99	6: 42	n. Spodrich	8278C	7018
Mexachloreogolopentadiene	MD	ng/kg	0. 393	0. 330	3	7/ 5/99	6: 42	M. Goodrich	3270C	7018
iexachloreethame	HD.	Hg/kg	8. 373	0.338	1	77 5799	6: 47	M. Scodrich	8270C	7018
Cadeno(1,1,5-od)purene	HĐ	ng/kg	0,999	0.930	1	77 5799	6:42	A. Coodrich	62780	7018
Isophorone	HD .	ng/kg	0.999	0.330	1	77 5/99	6:42	M. Goodrich	6279C	7018
Z-Methylmaghthalene	MD	ngZkg	0.373	0.330	3	7/ 5/99	8: 42	M. Goodrich	3270C	7018
I-Methylabeaul	40	ng/kg	0.393	9, 330	1	7/ 5/99	8: 42	M. Scodrich		7818
r.p-methylphenol	ÄΦ	Hg∕kg	0.393	8.338	† .h	77 5/99	ð: 42	M. Soodrich	3270C	7018
Saphthalese	ND	ng/kg	0.393	0.330	1	77 5799	5: 42	M. Scodrich	3270C	7018
I-Hitream line	MD	ng/kg	0.982	0.825	1	7/ 5/99	6: 42	M. Goodrich		7018
3-Witrosmilise	HI)	ng/kg	0.982	0.825	1	7/ 5/99	6: 42	n. Goodrich	8270C	7018
4-Mitrosmiliae	KĐ	ng/kg	G. 982	8. 825	1	7/ 5/99	6: 42	n. Goodrick	8270C	7018
litrobeszese	H2)	ng/kg	0.393	0,330	1	7/ 5/99	6: 42	M. Goodrich	8270C	7018
-Histrochenoi	HC	ng/kg	0.393	0.330	1	7/ 5/99	6:42	M. Goodrich		7018
t-Witropsesol	HD	ng/kg	0.982	0.325	1	7/ 5/99	6: 42	M. Goodrich	8270C	7018
t-aitrosodi-a-propylamine	#0	सर्वः/हर्व	0.393	0.330	1	7/ 5/99	6:42	n. scoor ich	8270C	7816
f-aitrosadiyhengi miag	48 48	ng/kg	0.393	0.000	1	77 5/99	6: 42	M. Goodrich	8270C	7018
³ eatachloropäenol	M.E.	ngrkg gr s.y	0.982	0.825	1	77 5799	6:42	n. soodrich		7018
aperentarene aperentarene	Mi	ngrka	B. 393	0.330	1	7/ 5/99	ó: 42	M. Goodrich	8278C	7818
Thenel	<b>紹</b> 22.5	ndyká náveř	0. 393	0.330	1	7/ 5/99	6:42	n. boodrich	8278E	7018
intere	HB on	ngekg	0.393	0.339	1	7/ 5/99	6:42	n. Goodrich		7018
Gis(2-ethylhexyl)ghthalate	86 80		0. 373 8. 373	0.930	1	7/ 5/99	6:42			
1,2,4-Trichlorobenzone	48 48	ng/leg wa/lea		0.550 0.550	1			M. Goodrich	8279E	7018
1,4,5-Trichleronbencl	ND up	ng/kg	B. 393			77 5799	6:42	M. Seedrich		7018
i,4,5-fradalerophemol	42 40	ng/kg	0.7 <b>82</b> 0.899	0.925 0.330	1 1	77 5799 77 5799	6:42	M. Goodrich	8270C	7018
(,-,c ×. toning public	1255	ng/kg	9.223	0.53 <b>0</b>	<u>+</u>	{{ J{}	6:42	A. Soodrich	971.02	7018
*ABTALITE SECURICZE										
ice hone	H\$	нд/кд	0.0082	0.0066	1	6/28/99	16:26	H. Hurt	82688	5824
lenga se	HD	ag/kg	0.0015	0.0014	1	5/28/99	16:26	N. Hurt	82680	5824
renože zene	HD	ng/kg	9.0018	0.0014	1	8/28/99	16: 26	H. Hurt	8260K	5824
Dromoválorometáane	WD	ng/kg	0.9014	0.0014	1	6/28/99	16:26	N. Hurt	82608	5824
Гроноболн	ND	ng/kg	0.0018	9, 6914	1	8/28/99	16:28	R. Hurt	8260H	5874
ironenechane	ND	<b>७४</b> ∖७स	0.0016	0.0014	1	6/23/99	16: 26	M. Hurt	8260H	5824
:-Rut savae	ND	ng/kg	8,8882	8,0068	1	8/28/99	16:26	R. Hurt	8260B	5824
a-BortyLine wzerne	HV	ng/leg	0.0014	0.0014	1	6/28/99	16:26	H. Hurt	82608	5824
iec-ButqL)enzeme	an	ng/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	82608	5824
:-Butylbearene	HV	ng/kg	0.0016	0.0014	1	6/28/99	16:26	A. Hurt	\$260B	5824
arbon disulfide	9, 9970	ng/kg	0.0016	0.0014	1	6/28/99	16: 26	H. Hert	82508	5874
larboa tetrachloride	MD	ngelieg	0.0015	0.0014	1	6/28/99	16:26	N. Hurt	82608	5824
lalarobenzuna	40	सबुर हेर्च	0.0016	0.8014	1	6/28/77		N. Hurt	82688	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94990

Sample ID: 58-15

			Report	Ausn	Dil		in-secons-un		- 10	
Analyte	Result	Units	Linit	Linit	Factor	Date	Tine	Analyst	. Rethod	Hato
Shlaroethane	ND	Hg/kg	0.0016	0.0014	1	6/28/99	16:26	X. Hurt	82608	5824
2-Chloroethylvinglether	HB	ngelog	0.0016	0.0014	1	6/28/99	16:26	H. Hurt	82608	5824
Chloreform	HD.	ng/kg	0.0016	0.0014	1	8/73/99	16: 76	H. Hurt	8760N	5974
Chloromethase	427	ng/kg	0.0018	0.0014	1	8/28/99	16: 26	R. Hurt	82600	5824
:-Chlarateluene	HD	hg/kg	0.0016	8.0014	1	6/28/99	16: 26	H. Hurt	37600	5824
4-Caloroboloege	80	ng/kg	0.9916	0.0014	1	6/28/99	16:26	H. Hurt	8260B	5624
i,2-Dibrum-3-chioroproyane	MD .	ng/kg	0.0082	0.8068	1	6/28/99	16:26	H. Hurt	82608	5824
Dibromochloromethame	HD	संबर्ग्स्य	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	82600	5824
1,2-0ipromoethane	<b>***</b> *********************************	ngekg	0.0014	0.0014	1	6/28/99	16:26	N. Hurt	82688	5824
libronomethane	MD	ng/kg	0.0016	0.0014	1	6/28/99	16:26	H. Hurt	82608	5824
enszneácrolnáið-K,i	WD	ng/kg	0.0016	9.0014	1	6/28/99	16:26	A. Hurt	82608	5824
enezpedanilaria-6.1	WB	ngelog	0.0018	0.8014	1	6/28/99	16:26	A. Hurt	82608	5824
i,4-Dichlurobenzeme	<del>110</del>	ngrks	0.0016	0.0014	1	6/28/77	16:26	N. Hurt	82688	5824
Michlerodifluoromethane	ND	ng/kg	0.0018	0.0014	1	5/23/99	16: 26	H. Hurt	8250H	5874
1,1-Dichlorsethane	HO	ng/kg	0.9916	0.0014	1	6/28/99	16:26	a. Hert	82600	5824
1,2-Dichlorosthams	80	ng/kg	0.8016	0.0014	1	6/28/99	16:26	X. Hurt	82608	5824
1,1-Dichlorostheme	HD.	ng∕iαj	8.0016	0.0014	<u>:</u>	6/28/99	16:26	N. Hurt	82600	5824
cis-1 2-Dichloroetheme	ND.	ng/kg	0.0015	0.0014	1	6/28/99	16: 26	N. Hurt	62608	5824
trans-1 2-Dishloroethene	9, 9943	ng/kg	0.0016	9.0014	1	6/28/99	16:26	X. Hurt	8260B	5824
1,2-Diskiuropropana	(AD)	etge/kg	0.0016	0.0014	1	6/28/99	16:26	H. Hurt	8260B	5824
1 3-Dichleropropage	₩	ng/kg	8.0014	0.0014	1	6/28/99	16:26	N. Hurt	82608	5824
2,2-Dichloropropase	ИD	Hq/kų	0.0016	9,0014	1	6/28/99	16:26	8. Hurt	82600	5824
i,1-Dickloroarepene	140	ng/kg	0.0015	0.0014	1	6/28/99	16: 76	M. Hurt	8250E	5824
uis-1,2-Gichlorearagene	ME)	mg/ka	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
trans-1,3-Dichloropropene	HD	ng/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	82608	5824
Sthylbearene	HQ.	na/kg	0.9814	0.6014	1	6/28/99	16:26	H. Hurt	82688	5824
dexachlorobutadiene	AD-	ng/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	82608	5824
Z-Hexaeone	<del>110</del>	ng/kg	9.0082	0.0046	1	6/28/99	16:26	N. Hurt	82688	5824
(sopropulhenzene	ND	ng/kg	3. 301à	0.0014	1	5/28/99	16: 26	M. Hurt	87680	5874
4-Isopropyltolsese	18E)	ng/kg	0.0016	0.0014	1	5/28/99	16: 26	R. Hort	32800	5824
I-Methyl-2-pentagone	HD	ng/kg	0.0082	0.0068	1	6/28/99	16: 76	M. Hurt	8280D	5824
tethulese ableviste	<b>110</b>	ng/kg	0.0062	0.0268	1	6/28/99	16:26	N. Hort	82688	5824
laphtagle.ce	ND	ngZleg	0.0016	0.0014	1	6/28/99	16:26	R. Hurt	82688	5824
t-Prosylbearese	AD.	mg/kg	0.0018	0.0014	<u>*</u>	8/28/99	16:26	M. Hurt	8280B	5874
Styrese	HD	иц/Ка	0.0015	0.0014	ī	5/23/99	16:26	H. Hurt	82600	5824
1,1,1,2-Tetrachloroethame	er Ch	सब्/सब्	0.0016	0.0014	1	6/28/99	16:26	H. Hurt	8260B	5624
1,1,2,2-fetraphloroethame	HD1	सबुर दिव	0.6016	0.9014	1	6/28/99	16:26	H. Hurt	6268B	5824
Tetrachioroetheme	HD	ng/kg	0.0013	0.0014	1	8/28/99	16: 76	H. Hurt	82600	5824
ିପୌଧକଥଳ	9.0027	ng/kg	0.0016	0.0014	1	6/28/99	16:26	H. Hurt	82880	5824
1,I,B-Tricalorobeazeau	H.	ng/kg	0.0016	0.9014	1	6/28/99	16:26	A. Hurt	82608	5824
i,1,4-frichlorobenzene	HD GH	ag/kg	0.9016	0.8014	1	6/28/99	16: 76	M. Hurt	3260H	5824
i,1,1-Triubloreethame	MD	ng/kg	0.0016	0.0014	1	6/23/99	18:26	N. Hurt	82688	5824
i,1,2-Trichloroethame	MD	ng/kg	0.0018	0.0014	1	8/28/99	16:26	X. Hurt	8260K	5824
Triubloraethene	3,0030	ng/kg	0.0016	0.0014	1	6/28/77	16:26	N. Hurt	6260B	5624



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 79-A74770

Sample ID: 58-15

Page 4

			Report	Ruan	011					-
Analyte	Wesult	Units	Linit	Linit	Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropage	AD:	ng/ką	0.0016	0.0014	1	6/28/99	16:26	H. Hurt	82606	5824
i,2,4-Trimethylbenzene	<del>d</del> p	सब्र/देख	0.0014	0.0014	1	6/28/99	16:26	N. Hurt	82668	5624
1,5,3-Trimethylbenzeme	NO	ng/kg	0.0015	0.0014	1	6/28/79	16:26	N. Hurt	82668	5624
Vinyl chloride	MD:	ng/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	6268B	5824
Teleres	MD	ng/kg	8.0014	0.0014	1	6/28/99	16: 26	H. Hurt	82600	5824
Oromodichloromethane	4D	ngvacg	0.0016	0.8014	1	6/28/99	16:26	N. Hurt	82488	5824
Trichloroficoronethame	90	ngAkg	0.0018	0.0014	1	6/28/99	16:26	H. Hurt	82698	5824
KEEHERAL CHEMISTRY PARAME	TERSH									
O Dry Welght	84.	2			1	7/ 1/99	11:17	Fitzwater	CLP	3154

MD = Not detected at the report limit.

Cample Extraction Data

	Mt. Vol	· v.			
Parabetor	Extracted	Extract Vol	Date	Analyst	Method
	A SECTION AND SECURIOR		***************************************	100 (00) 000 000 000 000 000 000 000 000	
<i>M</i> a′a	±0.0 gn	1.0 41	6/30/99	Fitzwater	3550
Molatile Arganics	7.3 g	5.0 ml	6/24/99	H. Hurt	5035

durrogate	% Recovery	Target Raage
Programme of the same	and the sale and t	ON THE STATE AND HE CAN HE WASHINGTON
purr-1,2-Bichloroethane, 04	128.	48 160.
surr-Toluese d3	96.	79 119.
surr-4-browofluorobenzene	91.	69 135.
purr-Olbrunofluoromathame	115.	63 135.
turr-Mitrobeazeas-45	56	28 <u>118</u> .
surr-2-fluorobiphenyl	60.	18 110.
surr-ferghengl di4	75.	27 128.
curr-flend du	73.	10 111.
sure-2-Floorophenol	35.	10 107.
per-2,4,4-Tribromobhemoi	94.	14 110.

All samples have been corrected for dry weight.





2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## ANALYTICAL REPORT

Laboratory Number: 99-A94990

Sample ID: SB-15

Page 5

Report Approved By

Report Date: 7/ 6/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 84009



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## PROJECT QUALITY CONTROL DATA

## Matrix Spike Recovery

Analyte	valts	Orig. Val.	ns val	Spike Conc	Recovery	Target Range	A.C. Natch
Acenaphthene	ag/kg	⟨ 0.330	2.28	3, 33	83	29 121.	7018
4-Chloro-3-methylphenol	ng/kg	₹ 0.330	2.51	3. 33	75	23 128.	7018
I-Chloropheaol	ng/kg	¢ 0.330	2.00	3.33	8Z	27 107.	7018
1,4-Dichlorobenzene	ng/kg	⟨ 0.330	1.95	3.33	59	20 116.	7818
7,4-dialtrotoluese	ng/kg	₹ 0,330	2.84	3, 33	77	22 138.	7013
4-Mitrophenol	ng/kg	( 8,825	1.71	3.33	57	20 133.	7018
N-mitrosodi-m-propylamine	ag/kg	₹ 0.330	Z. 34	3. 33	70	31 136.	7018
Peatachloropheaol	89/kg	₹ 9,825	3.00	3.33	70	10 128.	7018
Phenol	ng/kg	< 9,39 <b>0</b>	2.95	3.33	62	19 119.	7018
Purene	ну/ку	₹ 0,330	2.54	3. 33	76	14 166.	7018
1,2,4-Trichlorobenzene	ng/ <b>kg</b>	€ 0.930	7.34	3. 33	79	16 122.	7018
\$882868	ng/kg	< 0.0020	0.0501	0.0580	100	62 147.	5824
Chlorobearene	49/Kg	< 0.0020	8.0451	0.0500	90	59 141.	5824
1,1-Bichlorosthene	सबु/रिकृ	{ 0.0020	0.0537	8.8508	198	61 149.	5824
Toluese	ng/kg	< 0.0020	0.0478	0.0500	96	57 156.	5824
Trichleroethene	adikā	( 0.8020	0.0517	0.0500	103	88 158.	5824

## Matrix Spike Duplicate

Analyte	units	Brig. Val.	Duplicate	RPD	Linit	A.C. Batch
Geenaphthese	ng/kg	2.28	2.85	18.62	64.	7018
4-Chioro-3-wethylpheaol	संबु/संबु	2.53	2.08	18.74	54.	7018
2-Chiorophenol	ng/kg	2.86	1.91	8.52	55.	7016
1.4-0ichlorobeazene	ng/kg	1.95	1.82	6.90	51.	7018
2 4-disitrotoluese	pa/kq	2. 54	2, 34	12, 85	41.	7018
4-Hitropaenol	ng/kg	1.91	1.78	7.05	56.	7018
H-mitrosodi-a-propylanime	ng/kg	2.34	2.08	11.76	65.	7018
Pentachlorophenol	ng/kg	3,00	2.77	7.97	48.	7018
Phanol	ng/kg	2.85	1.62	11.89	57.	7816
Pyrene	ng/kg	2,54	2.44	4.82	34.	7018
1 2,4-Trichlorobenzene	ma/kg	1.34	2.05	13.21	47.	7018
Henzene	ng/kg	0.0501	0.0474	1.41	20.	5824
Chicrobeazeae	ng/kg	0.0451	0.0446	1.11	30.	5624
1,1-0ichloroathane	нg/kg	0.8539	9.0535	0.74	21.	5824
Toluese	ng/kg	0.0478	0.0463	7.11	20.	5824
Trichloroethena	ng/kg	0.9517	0.0477	3. 74	27.	5824

## Laboratory Control Bata

Realyte	enits	Known Val.	Analyzed Val	% Recovery	Target Range	A.C. Natch
	The second real real least least					
Acenaphthese	ng/kg	3, 33	2.34	85	sa - 140	7018
Acenaphthylene	ng/kg	3. 33	2.87	88	60 - 140	7018
Anthracese	ng/kg	3.33	2, \$1	78	60 - 140	7018
Senzo(a) inthracene	eg/kg	3.33	9.00	913	60 - 140	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## PROJECT QUALITY CONTROL DATA

## Laboratory Control Data

Analyte	umits	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Natch
Benzo (3) pyrene	ng/kg	3. 53	3.80	90	60 - 140	7018
Benzo(b)fluoranthene	наска	3.33	2,90	87	60 - 140	7018
Benzo(g,h,l)perglene	ng/ka	3.33	2.88	84	60 - 140	791.8
Benza(k)fluoranthene	ng/kg	3.33	2.74	82	60 - 140	7818
4-Gronophenulphenulether	ng/kg	3, 33	3.90	90	SG - 140	7019
Sutgibeorglobthalate	ng/kg	3, 33	2.67	80	60 - 140	7018
Carbazole	ng/kg	3. 33	2.97	87	60 - 140	7018
4-Chioro-3-methulphenol	ng/kg	3. 33	7.94	38	80 - 140	7018
4-Chiorosailine	ng/kg	3, 33	2.94	33	60 - 140	7818
bis(2-Chlorsethoxy)methame	ng/kg	3. 33	2.71	31	SB - 148	7018
bis(2-Chloreethgl)ether	ng/kg	3. 33	2.51	75	\$0 - 140	7018
bis(2-Chloroisopropy1)ether	ng/kg	3. 33	2.44	73	60 - 140	7018
2-Chlorouapáthaiene	ng/kg	3, 33	2.84	85	80 - 140	7618
I-Chloroshenal	ng/kg	3. 33	7 81	73	50 - 140	7018
4-Chlorophenylphenylether	ng/kg	3. 33	2.87	86	60 - 140	7018
Chrysene	нg/kg	3. 33	3.30	99	68 - 148	7018
Dibenzofuran	ng/kg	3. 33	2.88	54	60 - 140	7018
Gibenz(a,h)asthracese	ng/kg	3, 33	3.63	107	60 - 140	7018
1,2-0ichlorobenzene	Hg/kg	3, 33	2.80	34	60 - 140	7018
1 3-0:chlorobenzene	eig/kg	3. 33	2.54	76	60 - 140	7018
1,4-0ichlorobeazene	ng/kg	3. 33	2,48	74	60 - 140	7818
3,37-Bichlorobearidiae	ng/kg	1.67	0.869	<b>સ</b> ∕a	60 - 140	7018
1,4-Wichleroskerol	ng/kg	3.33	2.84	85	50 - 140	7013
Diethylahthalata	ng/kg	3, 33	2.77	83	80 - 140	7018
2,4-Dinethylphenol	ng/kg	3. 33	7.38	71	80 - 140	7818
Dimethylobthalate	ng/kg	3, 33	2.34	85	60 - 140	7818
Di-n-butulphthalate	ng/kg	3, 33	2.74	82	60 - 140	7018
4.5-Dimitro-2-methylphenel	ng/kg	3, 33	3.04	71	80 - 140	7013
2,4-Dimitruphenol	ng/kg	3, 33	7.94	33	88 - 148	7818
1,4-diaitrotoluese	ng/kg	3, 33	3.00	98		7013
2.5-Digitrotoluene	ng/kg	3, 33	2.94	38	50 - 140	7018
Di-m-octylehtmalate	ag/kg	3.33	2. 24	<b>57</b>	60 - 140	7018
Fluoranthere	ng/kg	3, 33	7.90	37	60 - 140	7013
Fluorese	∺g/kg	3. 33	2,80	34	60 - 140	7018
Herschlunghenzese	eg/kg	3. 33	3.00	70	50 - 140	7018
Hexachlorobutadiene	ag/kg	3. 33	2.80	34	60 - 140	7818
Hexachiorocyclogentadiene	ng/kg	3. 33	2.77	33	60 - 140	7818
Hexachiorosthama	ng/kg	3.35	2.77	83	60 - 140	7018
Endeno(1,2,3-od/pyrene	ng/leg	3.39	2.97	Så	68 - 140	7018
Isophorene	ng/kg	3.33	3,00	90	60 - 140	7018
2-Methylasphthalene	ng/kg	3, 33	2.77	33	60 - 140	7018
Z-Methylpheapi	ng/kg	3.33	2.61	7B	86 - 140	7016
n,p-dethalphenol	ng/kg	3.33	2.61	78	88 - 140	7016
Haphthalene	ну/Ку	3.33	2,48	74	68 - 140	7016
Z-Mitrosocline	ng/kg	3, 33	3.14	74	80 - 140	7018
3-Witrosailine	ng/kg	3. 33	3.14	74	60 - 140	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## PROJECT QUALITY CONTROL DATA

## Laboratory Control Data

Analyte	vaits	Kaowa Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
4-Mitroaniline	ng/kg	3. 33	2.97	89	60 - 140	7018
Hitrobeszese	ng/kg	3, 33	2.77	83	60 - 140	7018
7-Mitropherol	ng/kg	3, 33	2.98	37	60 - 140	7018
4-Mitrophenol	HQ/RQ	3. 33	3. 87	9Z	60 - 140	7018
H-mitrosodi-m-propylamine	ng/kg	3.33	2.89	84	60 - 140	7816
H-microsodiphemylamime	ng/kg	3.33	2.90	87	60 - 140	7018
Fentachiorophenoi	rig/Kij	3.33	3.63	107	68 - 140	7018
Shenanthrene	ng/kg	3. 33	7.57	77	SU - 140	7018
FleroL	ng/kg	3.33	2.71	81	60 - 140	7018
Parene	ng/kg	3. 33	2.87	26	50 - 140	7016
Dis(2-ethylbekyl)phthalate	ng/kg	9.33	2.41	72	50 - 140	7018
1.7,4-Tricklorobeazene	ng/kg	3. 33	2.77	83	60 - 140	7818
2,4,3-Trichlerophessi	ng/kg	3. 33	3.87	92	60 - 140	7818
1,4,5-frichlorophenol	irg/kg	3. 33	3.04	71	68 - 148	7818
Ceetage	ng/kg	0.0500	0.0513	103	70 - 130	5024
Benzene	ng/kg	0.0588	1.0502	100	70 - 130	5824
Aronobenzese	ng/kg	0.0500	0.0458	92	70 - 130	5824
Promocaluromethane	ng/kg	6, 6560	0.0612	127	70 - 130	5824
Grenoforn	Hg/kg	9, 0500	0.0572	118	70 - 130	5824
brometaase	ng/kg	0.0500	0.0594	101	70 - 130	5824
2-8eracose	ng/kg	9.0500	0.0547	109	70 - 139	5824
n-Nutulieszene	ng/kg	8.0500	0.0422	84	70 - 130	5824
sec-Turtylbenzene	ng/kg	0.0500	0.0439	33	70 - 130	5874
t-Butylbeazeae	ng/kg	a. 0500	0.0478	94	70 - 130	5824
Carbon disulfide	ng/kg	0.0500	0.0485	97	70 - 130	5824
Carbon tetrachloride	Hg/kg	a. 0580	0.0607	121	70 - 130	5824
Chlorobenzene	ng/kg	0.0500	0.0468	34	70 - 130	5824
Chlorosthans	ng/kg	0.0500	0.0562	117	70 - 130	5824
2-Chloroethylvinylether	ng/kg	0,0500	0.0558	117	78 - 130	5824
Chloroforn	ng/kg	8, 8508	0.0551	110		5824
Chioromethane	सप्र/रेष	9, 0500	0.0634	127	70 - 130	5824
2-Chloretoluese	ng/kg	0,6580	0.0373	79	70 - 130	5824
4-Chierotaluese	ng/kg	0,0566	0.0387	77	78 - 138	5824
1,2-Dibrono-3-chlerogrogue	ng/kg	9, 6560	9, 8485	97	70 - 130	5824
Pibromochioremethame	ng/kg	0.8580	8.9572	114	70 - 130	5824
1,2-Dibroncetbane	ng/kg	0.0500	0.0498	100	70 - 130	5874
Dibromomethane	ngrkg	9,0500	0.8577	115	70 - 130	5824
1,2-Vichlorobenzene	ag/kg	9.0509	0.0420	84	70 ~ 130	5824
1,3-Viablorobenzene	ng/kg	6,8500	0.0391	78	70 - 130	5824
1,4-Dichlorobeazene	ag/kg	0.0500	0.9378	76	70 - 130	5824
Dicklorod:Fluoromethame	ng/kg	0.9500	0.0619	124	70 - 130	5824
1,1-0ichleroethame	ng/kg	8,0580	0.0530	106	70 - 130	5824
1,2-Dichlorcethame	ng/kg	9, 9500	0.0613	123	70 - 130	5824
I,I-vichloroethene	ng/ka	0.0500	0.0547	109	78 - 130	5824
ois-1,2-Dichloroethone	i <del>s</del> gi'k g	0. 9560	0.0584	113	70 - 130	5824
trans-1,2-Dichloroethene	ng/kg	0.0500	0.0531	106	70 - 130	5824



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## PROJECT QUALITY CONTROL DATA

## Laboratory Control Data

Analyte	vaits	Knoun Val.	Analyzed Val	% Recovery	Target Hange	Q.C. Batch
1,2-Sichloropropase	ng/kg	0.0509	0.0558	112	78 - 130	5824
1,3-0ichloropropane	ng/kg	0.0500	0.0525	185	70 - 130	5824
2,2-Dichloropropase	ng/kg	0.0500	0.0565	101	70 - 130	5824
1.1-Dichloropropene	ng/kg	0.0500	0.0500	100	70 - 130	5824
cis-1,3-Dichloropropene	ng/kg	8,0588	0.0472	74	70 - 130	5824
trans-1,3-Bichloropropene	nq/kq	0.0500	0.0472	94	70 - 130	5824
Ethylbenzene	ng/kg	8, 9500	0.0464	93	70 - 130	5824
Hexacalorobutadiose	ng/kg	6.0506	0.0450	70	78 - 139	5824
2-Hexanone	ng/kg	0.0500	0.0509	102	70 - 130	5824
Esopropulbenzene	ng/kg	9,9599	0.0452	90	70 - 130	5824
4-Isopropyltoivene	ng/kg	9, 9589	0.0465	31	70 - 130	5824
4-Methyl-2-pentanone	Hg/kg	0.0500	0.0561	217	78 - 138	5874
Wathqlane chloride	eig/kg	0.0500	0.0519	124	70 - 130	5824
Haphcholese	ag/kg	0.0500	0.0402	60	70 - 130	5824
enerassilport-n	ng/kg	8,0500	0.040.5	83	70 - 130	5824
Styrene	ng/kg	6,0560	0.0428	38	70 - 130	5824
1,1,1,2-Tetrachloroethana	ng/kg	0.0500	8.9563	117	70 - 150	5624
1,1,2,2-Tetrachloroethame	ng/kg	0.6500	9.0666	121	70 - 130	5824
Tetracalorostaeae	ну/ку	9,6599	8.0476	95	70 - 130	5824
Toluens	ng/kg	0.0500	0.0474	95	70 - 130	5824
1,2,3-Tricklorobenzene	ng/kg	0.0500	0.0384	77	70 - 130	5824
1,2,4-Trichlorobeazene	ng/kg	0.0500	0.0536	187	70 - 130	5824
1,1,1-Triobloroethane	ng/kg	0.0500	0.0580	118	70 - 130	5824
1,1,2-Trichloroethame	ng/kg	9.0500	0.0539	108	70 - 130	5624
Trichloroethese	ng/kg	0.0500	0.0491	98	78 - 138	5824
1,2,3-Trichleropropane	ng/kg	0,0500	0.0484	97	78 - 130	5824
1,2,4-Trinethylbenzene	ag/kg	0.0500	0.0379	76	70 - 130	5824
1,3,5-Trimethyihenzene	ng/kg	9,9509	0.0418	84	70 - 130	5824
Vingl obloride	ng/kg	0.9500	0.0807	121	78 - 138	5874
Xq1enes	ng/kg	9, 1500	0.1340	87	70 - 130	5874
Sramadichloromethame	ng/kg	0.0500	8.8555	111	76 - 138	5824
Trichlorofluoromethame	ag/kg	0, 6500	0.0615	123	76 - 130	5824

## Mank Data

Analyte	Blank Value	Units	Q.C. Bateh
			**********
Acenaphthene	₹ 9,330	ng/kg	7018
Acemaphthglene	₹ 0.338	ng/kg	7618
Authracese	< 8. 33 <b>0</b>	ng/kg	7018
Senzo(s) inthracene	0.330	ng/kg	7016
Benzo(a)ograne	₹ 0.330	ng/kg	7018
BenzoCh)fluorantheme	€ 13.330	ng/kg	7018
Senzuljuh, Hoperglene	₹ 0.330	наліса	7018
Benzo Cofficorachese	₹ 0, 330	ну/юз	7016
4-Bronophenglohenglether	₹ 0.930	ng/kg	7018



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## PROJECT QUALITY CONTROL DATA

## Klank Data

ūnalyta	Blank Value	Units	R.C. Batch
Dutylbenzylphthalate	⟨ 0.330	ng/kg	7018
Carbazole	₹ 0.350	ng/kg	7018
4-Chloro-3-methylphenul	₹ 0.330	ng/kg	7018
4-Chlorosoitine	€ 0.330	ng/kg	7018
bis(2-Ghioraethoxy)methai		ng/kg	7018
bis(Z-Ghloroethyl)ether	( 0.330	ng/kg	7018
bis(Z-Caluraisagrapyi)eti		ng/icg	7018
2-Chloronaphthalene	( Q. 330	ng/kg	7918
I-Chlorophenol	< 0.330	ngrag	7018
·			7018
4-Chlorophengiphenglether		ng/kg	
Enreseae Bibeazoforza	( 8,338 ∠n 320	ng/kg	7015
Bibenz(a,b)anthracene	( 0.330	ng/kg	7016
	( 9, 350	संबुर्श्वरबु	7018
1,2-0ichlorobenzene	( 0, 330	ngekg	7018
1.9-Dichlorobeazene	( 0, 330	nê/jtā	7018
1,4-Sichlorobeazene	( 0, 330	ng/kg	7018
3,37-Dichlorobenzidine	€ 9,560	ng/kg	7018
2.4-Dichlorophenol	( 0, 330	ng/kg	7018
Diethglasthaleta	4 0.330	ng/kg	7018
2,4-Jinethylphenol	₹ 0, 330	ng/kg	7018
Sinethelphthalute	( 0, 330	ng/kg	7813
Di-m-but glanthalate	(-0.330	ng/kg	7013
4.5-Dimitro-2-methylphem		ng/kg	7013
2,4-Dimitroahemoi	< 0. <b>32</b> 5	ng/kg	7013
1 4-minicrotoluene	⟨ ∅, 330	ng/kg	7018
7 5-01sitrotoluene	( 0, 330	udykā	7018
Di-a-octqipatbalate	₹ 9,339	ng/kg	7018
Flucranthene	€ 9.930	प्रवेश्हरते	7818
Fluorene	€ 8,998	ng/kg	7018
Mexachlorobenzene	( 0.330	ng/kg	7018
Hexamblerobutadieme	( 0.330	ng/kg	7018
Hexachiorocyclopentadiene	₹ € 0.338	ng/kg	7018
Hexachloros chane	4 8, 330	ng/kg	7018
Indeno(1,2,3-od)pyrene	₹ 6, 330	ng/kg	7018
Isophorone	( 0.330	ng/kg	7018
1-Methyloophthalene	( 9, 330	ng/kg	7013
15aedalpheasl	₹ 3,330	ng/kg	7818
n,p-Nethglphenol	€ 8,330	ng/kg	7018
Maphihaleae	< 0.330	ng/kg	7018
I-Mitrovalline	( 0.825	ng/kg	7818
3-Witrosolline	( 3, 325	ng/kg	7013
4-Witrosiline	₹ 0,825	ng/kg	7018
Mitrobeateme	< 0.330	ng/kg	7018
2-Mitrepserol	€ 0.330	सङ्ग्रं संबु	7018
4-Micropaerol	< 0.825	ng/kg	7018
W-attresemi-a-propylaniae		ng/kg	7816



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## PROJECT QUALITY CONTROL DATA

## Blank Data

Analyte	Blank Value	Units	Q.C. Datch
H-mitrosodiphenglamine	( 0, 330	ng/kg	7818
Pentachlorophenol	₹ 0,825	ng/kg ng/kg	7018
Pienanthrene	< 0.330	udiga 1.00 ma	7018
Fhensi	< 0.330	ngrkg ngrkg	7818
Fyrene	( 0.330		7018
-		ng/kg	7018
Bis(2-ethylhexyl)phthala		ng/kg	
1,2,4-Trichlorobenzene	( 0.330	на/ка	7018
2,4,5-Trichlorophenol	( 8, 825	Hg/kg	7018
2,4,6-Trichlorophenol	( 0.330	ng/kg	7018 F034
Acetone	( 0.0100	Hg/Kg	5824
Benzene	( 0.0020	ng/kg	5824
Bromobenzene	< 0.0020	Hê\;Ķā	5824
Bronoculoromethane	( 0.0020	ud\Kå	5824
Grokoforn	< 0.0020	ng/kg	5874
Bronomethane	₹ 0.0020	ng/kg	5824
Z-Butaaoue	€ 0.0100	ng/kg	5824
a-Butylbeazene	< 9,0020	ng/kg	5824
sea-Sutylheazene	< 0.0020	मपुर'रेल्य	5824
t-Butgibenzene	₹ 9,8629	tig/kg	5824
Carbon disulfide	( 0.0020	सबे५/हर्वे	5824
Carbon tetrachloride	( 0,0020	ng/kg	5874
Chlorobenzene	€ 0.0020	Hg/kg	5824
Chlorosthers	₹ 9,0020	ng/kg	5824
1-Chloroethylvinglether	< 0.0020	ng/kg	5824
Chloroforn	< 0.0020	нд/кд	5824
Chloromethage	₹ 8,9020	ng/kg	5824
I-Chlorotoluene	< 0.0020	ng/kg	5824
4-Calorotoluene	₹ 8,9020	ng/kg	5824
1.2-0ibrose-3-chloroprop	ane ( 0.0100	ну/ку	5824
Dibronochloromethame	< 0.0070	HQ/KQ	5874
1,2-9ibromoethame	( 0.0020	Hy/Kg	5824
Sibromomethame	< 9,9020	Hg/ky	5824
1,2-0ichlorobenzene	( 9,0020	ng/kg	5824
1,3-Dichlorobenzene	( 8,0020	ng/kg	5824
1,4-Dichlorobensene	< 0.0020	на/ка	5824
Dichlorodifluoromethame	< 0.6928	ng/kg	5824
1,1-Dichloroethame	0.0020	ng/kg	3824
1,2-Dichloroethame	< 6,0626	Hg/kg	5824
1,1-Dichlaraethene	< 6,0620	no/kg	5824
ois-1,I-Bichlorgetheme	( 8,0020	Hg/Hg	5824
treas-1,2-Dichloroethese	< 0.0020	ng/kg	5824
1,2-Dichloropropane	€ 9, 8029	no/kg	5824
1,3-0ichlorograpase	⟨ 3,0520	HO\KG	5824
2,2-Dichloropropase	( 8, 9020	ng/kg	5824
1,1-91chlorogropens	⟨ 0,0020	ng/kg	5824
cis-1,3-Dichloropropene	( 8, 0020	ng/kg	5824
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2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

## PROJECT QUALITY CONTROL DATA

## Mlank Data

Analyta	Slaek Value	Units	Q.C. Batch
American S.		********	Enga
traes-1,3-0ichloropropen		ng/kg	5824
Ethgibeezese	< 0.0020	ng/k <b>g</b>	5824
Hexachlorobutadiene	< 0.0020	ng/kg	5824
Z-Hexanone	( 0.0100	ng/kg	5824
Tsagragglbenzene	< 0.0020	ng/kg	5824
4-Isopropyltoluene	₹ 8,8020	ng/kg	5824
4-Matagi-Z-pantanone	< 0.0100	ng/kg	5824
Retagleme caloride	₹ 0.0020	सङ्गीरपु	3824
Maphibalene	₹ 0,0020	ну/ку	2624
a-Propylbenzene	< 0.0020	ng/kg	5824
Styread	( 0,0020	ng/kg	5824
1,1,1,2-Tetrachloroethan	e (0.0020	ng/kg	5824
1,1,2,2-Tetrachloroethan	e < 0.0020	ng/kg	3824
Tetrachloroethede	< 0.0020	ng/kg	5824
Tolwene	< 9,9920	ng/kg	5824
1.2,3-Trichlorobenzene	( 0.0020	ng/kg	5824
1,2,4-Trichlorobenzene	< 0.8020	ng/kg	5824
1,1,1-Pricbloroethane	⟨ 0.0020	ng/kg	5824
1,1,2-frickleroethese	< 0.0020	ng/kg	5824
Trichlorosthese	( 0.0020	ng/kg	5924
1,2,3-Trichloropropane	₹ 0.8020	ng/kg	5824
1,2,4-Yrimethylbenzene	( 0.0020	អនុ/ដូច្ន	5824
1,3,5-Trinethylbenzene	< 9,0020	ng/kg	5824
Vinyl chloride	< 0.0020	ng/kg	5824
Rulenes	₹ 0,8020	ng/kg	5824
Bremodichleromethase	< 0.8020	ng/kg	5824
Trichloroflooromethame	< 0.0020	หลุ/ใหฐ	5824