PHASE I & II ESA

ENVIRONMENTAL RESOURCES MANAGEMENT

The Ducane Company

Phase I & Limited Phase II Environmental Site Assessment (ESA)

Blackville, South Carolina

August, 1999

Environmental Resources Management

ERM®

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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.

2.0 SITE DESCRIPTION

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).

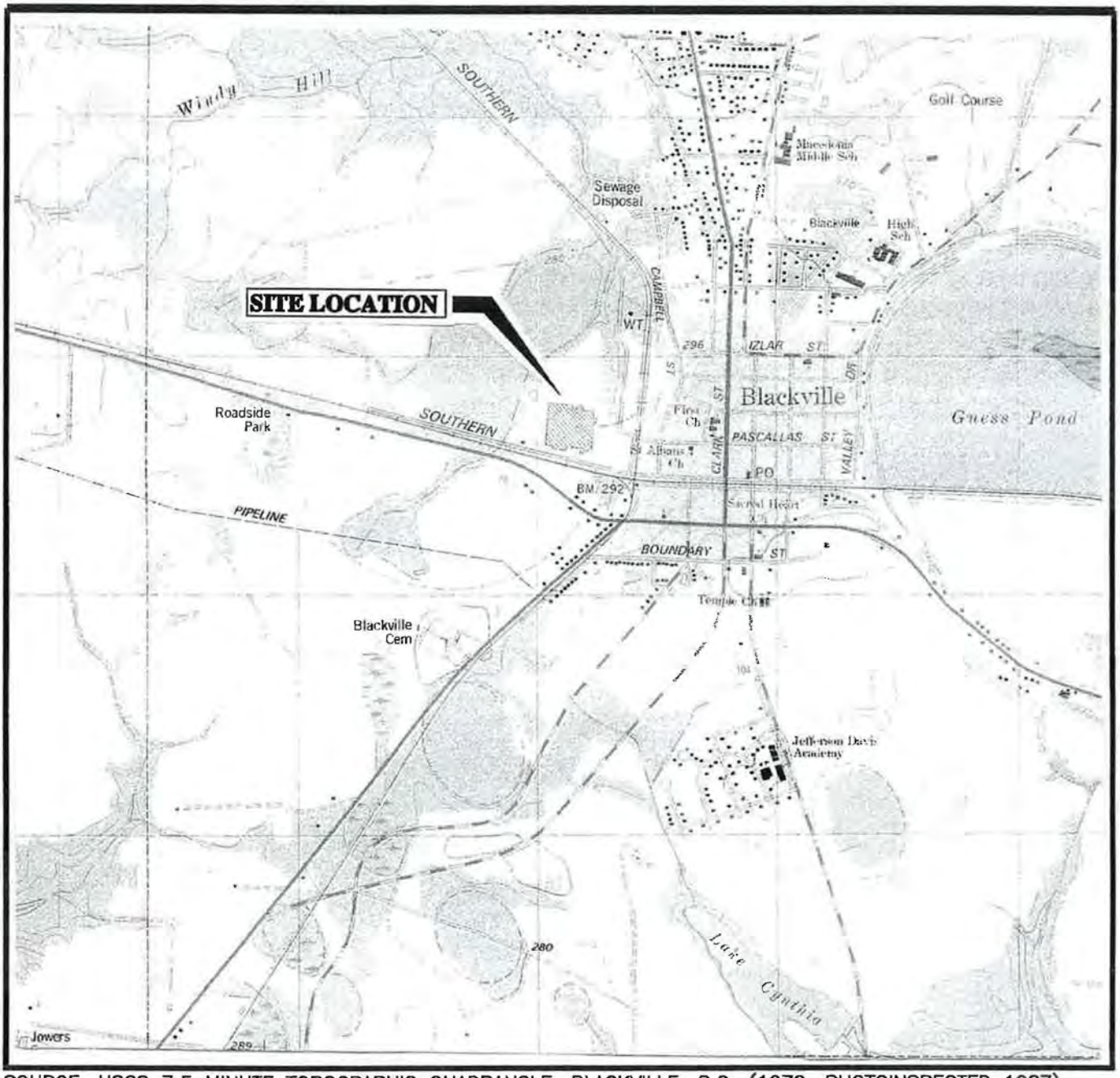
2.2 GEOLOGY

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.



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE: BLACKVILLE, S.C. (1979, PHOTOINSPECTED 1987).

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 1/2 0 1 KILOMETER

N

SOUTH CAROLINA

QUADRANGLE LOCATION

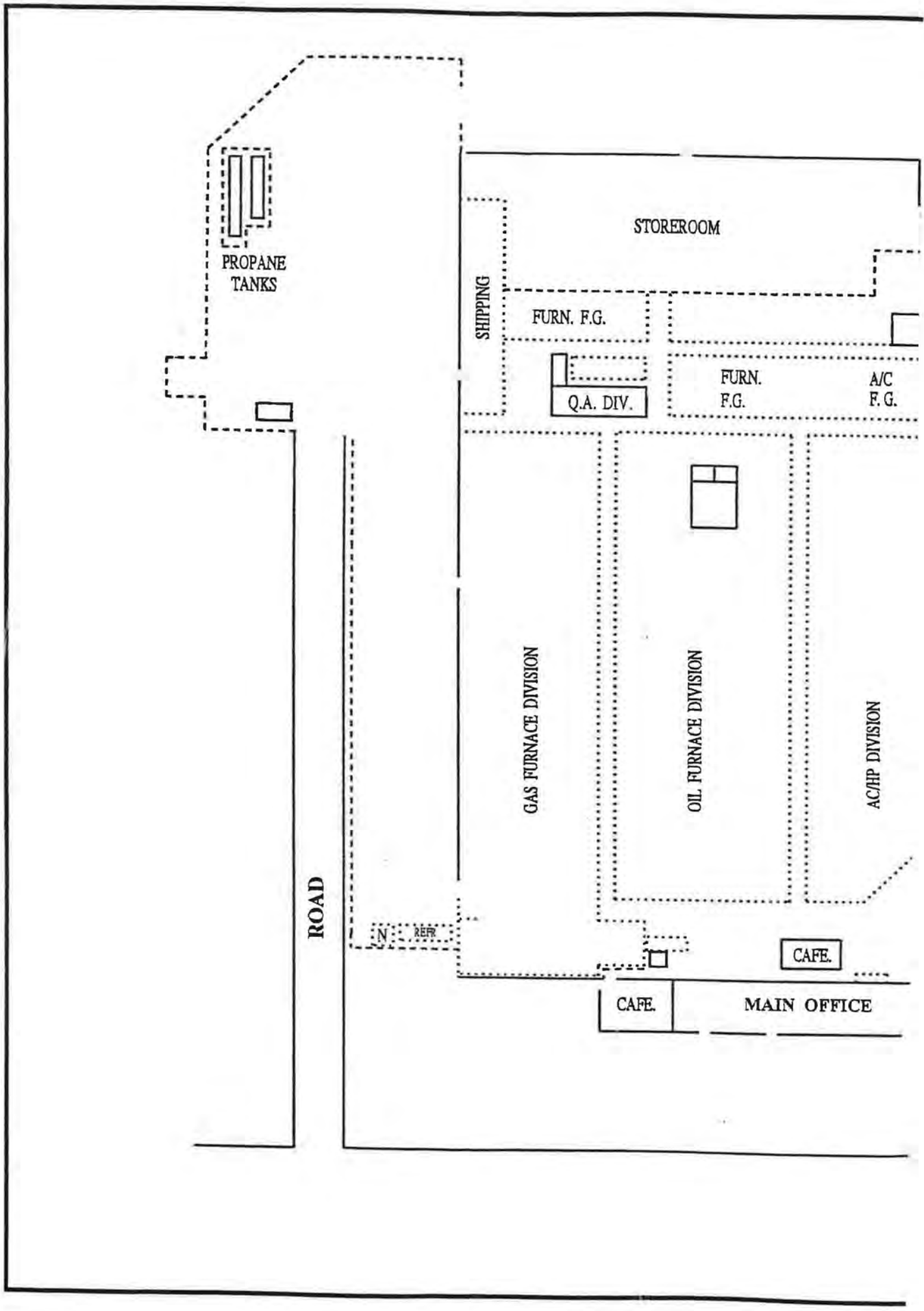
SCALE 1:24000

ERM Environmental Resources Management

SITE LOCATION

ENVIRONMENTAL SITE ASSESSMENT
THE DUCANE COMPANY
BLACKVILLE, SOUTH CAROLINA

FIGURE **2-1**


PROPANE
TANKS
STOREROOM
SHIPPING
FURN. F.G.
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GAS FURNACE DIVISION
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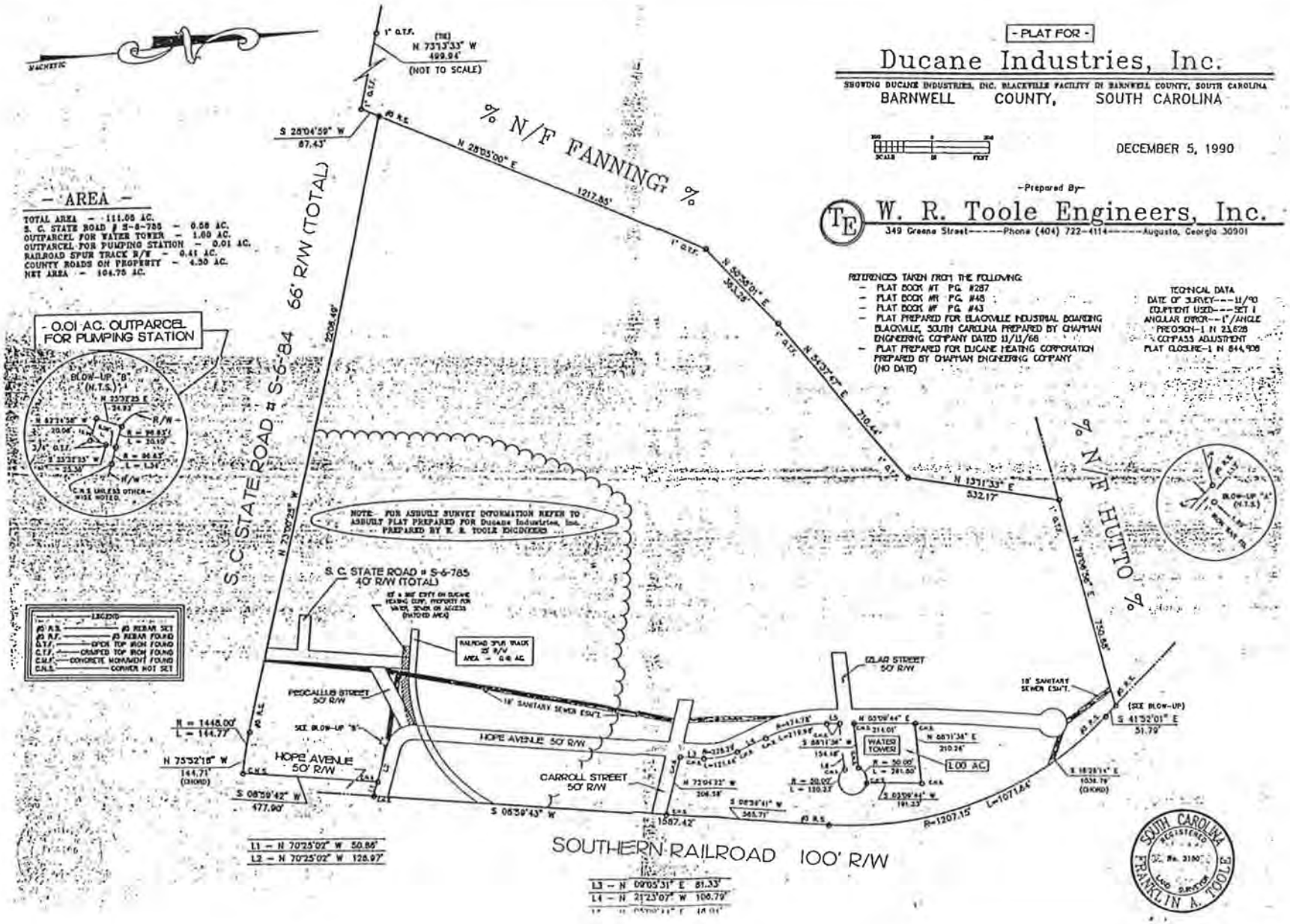


Environmental Resources Management

ERM

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 computer-generated 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.

5.0 SITE INSPECTION

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 on-site 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 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. 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 Naphtha - 100 Flash (xylene, 1,2,4-trimethylbenzene, cumene)	4,000 gallons	300 feet from east side of production building	Yes
Solv G - 150 Flash (naphthalene)	3,000 gallons	300 feet from east side of production building	Yes
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 pounds	75 feet from west side of Production Building	No
Gentron 22 - Chlorodifluoromethane	45,000 pounds	25 feet from west side of Production Building	No

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.

6.0 REGULATORY REVIEW

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 States Environmental Protection Agency (US EPA) Databases			
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 Databases			
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 (FOIA) 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. Hand-written 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, 1,1,2,2-tetrachloroethane, 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.

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:

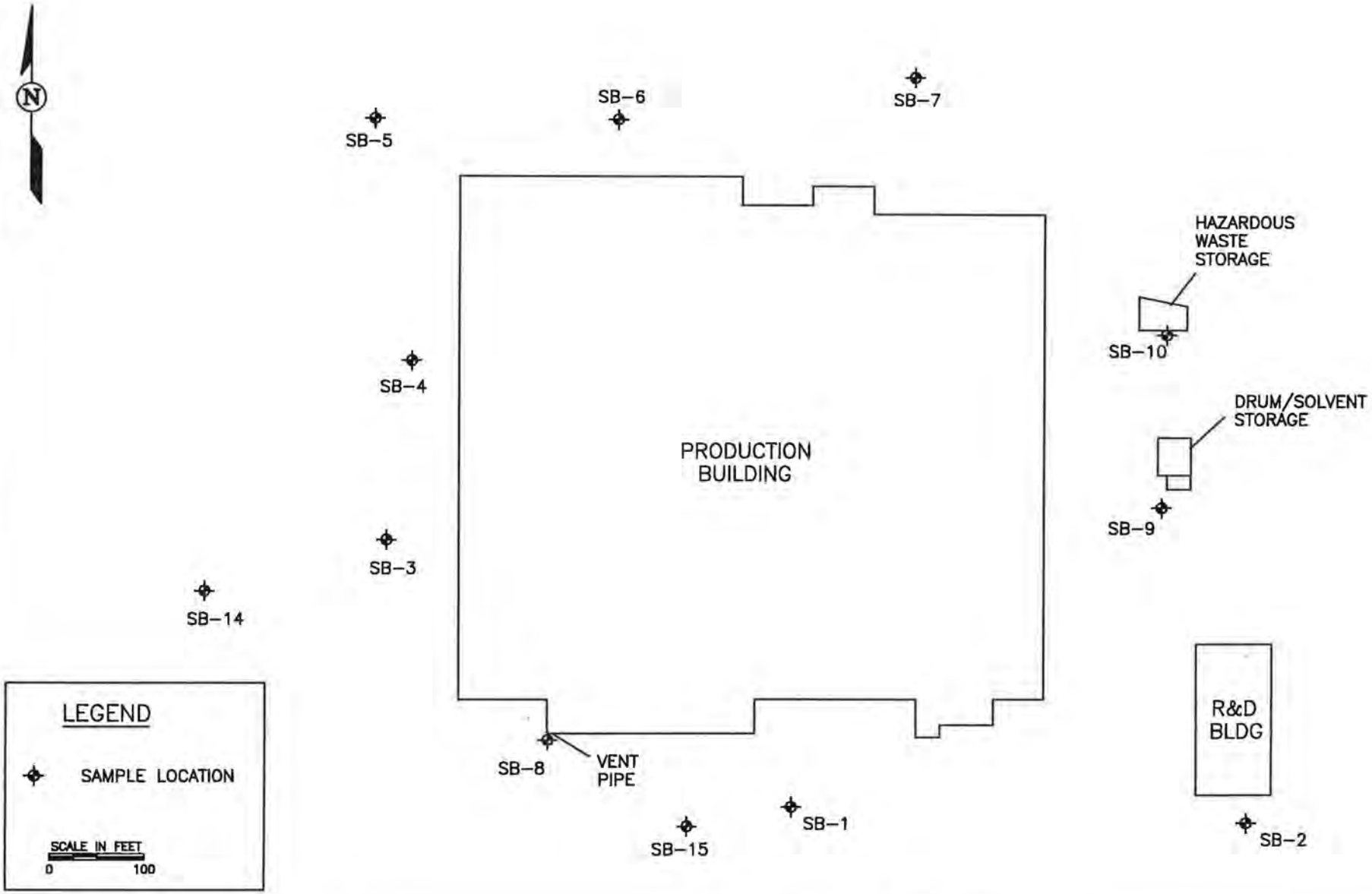
- all drilling equipment was decontaminated and utilized dedicated materials before use at each boring;
- disposable latex gloves were utilized during the boring installation and sampling procedures; and
- all samples were labeled and cross-referenced with chain-of-custody forms and field notes.

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

Sample Location	Depth	PID Reading (ppm[1])
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

9489/samploc1r.dwg 7/6/99 EW



Environmental Resources Management

ERM

SOUTH SAMPLE LOCATIONS

ENVIRONMENTAL SITE ASSESSMENT

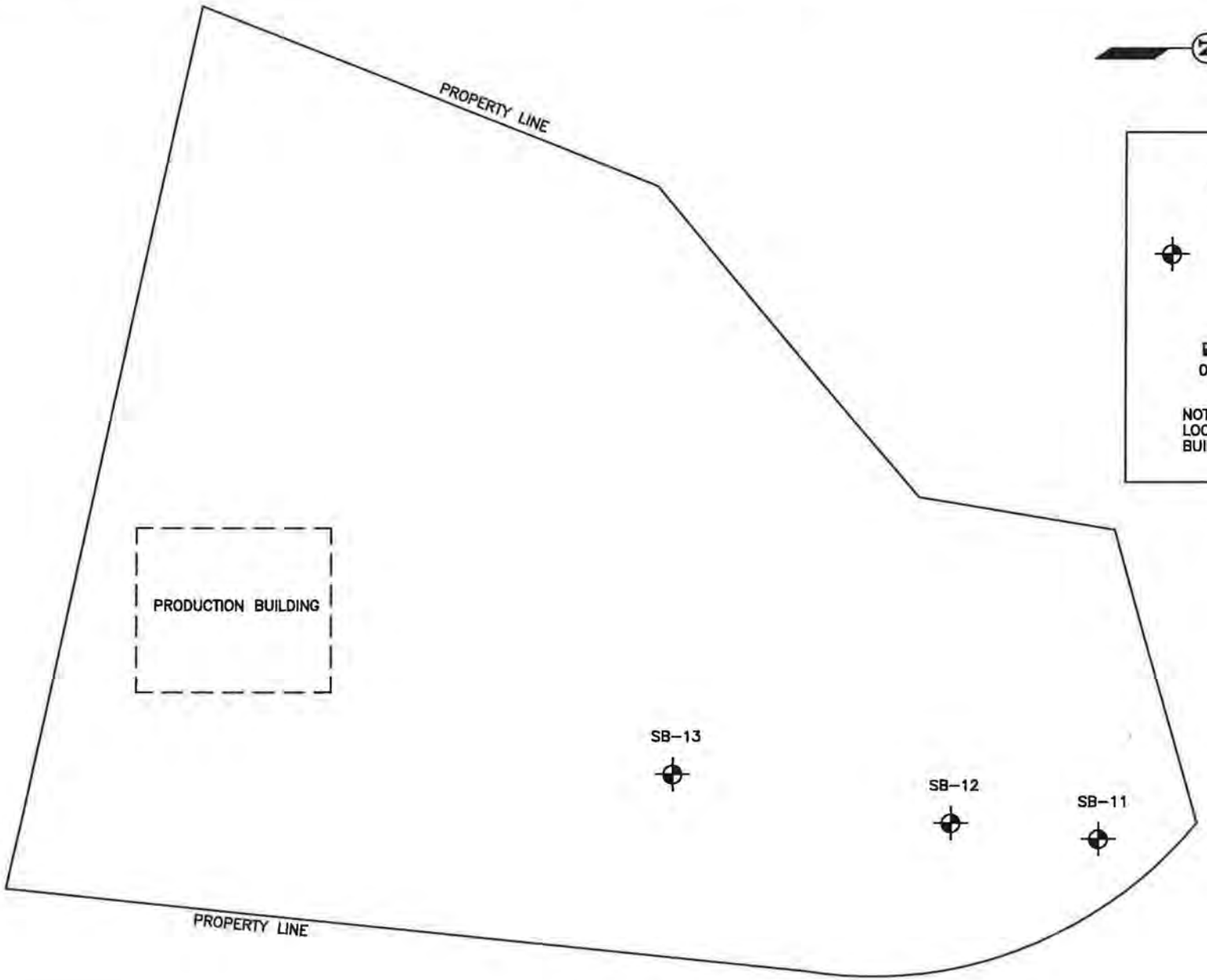
THE DUCANE COMPANY

BLACKVILLE, SOUTH CAROLINA

FIGURE

7-1

9489/samploc2.dwg 7/6/99 EW



ERM Environmental Resources Management

NORTH SAMPLE LOCATIONS

ENVIRONMENTAL SITE ASSESSMENT

THE DUCANE COMPANY

BLACKVILLE, SOUTH CAROLINA

FIGURE 7-2

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.

8.0 CONCLUSIONS AND RECOMMENDATIONS

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.

9.0 LIMITATIONS

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

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	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS %	ASBESTOS TYPE	NONASBESTOS %	NONASBESTOS FIBROUS	NONASBESTOS %	NONASBESTOS NONFIBROUS
FT-1	Tile	White Non-Fibrous Homogeneous	Dissolved/Crushed		None Detected			100%	Other
FT-1A	Mastic	Clear Other Homogeneous	Dissolved/Crushed		None Detected	2%	Cellulose	98%	Other
FT-2	Tile	White Non-Fibrous Homogeneous	Dissolved/Crushed		None Detected			100%	Other
FT-2A	Mastic	Clear Other Homogeneous	Dissolved/Crushed		None Detected	2%	Cellulose	98%	Other
CT-1		White/Grey Other Heterogeneous	Teased/Crushed		None Detected	35% 60%	Cellulose Min. Wool	5%	Other
CT-2		White/Grey Other Heterogeneous	Teased/Crushed		None Detected	35% 55%	Cellulose Min. Wool	10%	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

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

NC992026

Representative:	Ray Wilkins		
Your Company Name:	ERM	EMSL-Bill to:	SAME
Street:	498 Wando Pk. Blvd.	Street:	
Box #:	Suite 100	Box #:	
City/State:	Mt. Pleasant SC Zip: 29464	City/State:	Zip:
Phone Results to: Name:	Eric White	Fax Results to: Name:	Eric White
Telephone #:	843 856 4270	Fax #:	843 856 4283
Project Name/Number:	9489	Purchase Order #:	9489

MATRIX

- ☐ Air
- ☐ Floor Tile
- ☐ Soil
- ☒ Bulk
- ☐ Drinking Water
- ☐ Dust
- ☐ Wipe
- ☐ Wastewater

TURNAROUND

- ☐ 3 Hours
- ☐ 6 Hours
- ☐ Same Day*
- ☐ 12 Hours
- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 3 Days
- ☐ 5 Days
- ☐ 6-10 Days

PCM
- ☐ NIOSH 7400
- ☐ OSHA
- ☐ Other: _____

PLM
- ☒ EPA 600
- ☐ NOB
- ☐ Point Count
- ☐ Other: _____

EM
- ☐ Qualitative
- ☐ Quantitative

TEM AIR
- ☐ AHERA
- ☐ NIOSH 7402
- ☐ Level I
- ☐ Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield / SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ NOB
- ☐ NOB / SEM QC
- ☐ Micro Vac - Quantitative
- ☐ Micro Vac - Qualitative

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.1
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

TEM WIPE
- ☐ Quantitative
- ☐ Qualitative

XRD
- ☐ Asbestos
- ☐ Silica

OTHER
- ☐ _____

Total Samples: 4

Client Sample # (s)

elinquished:	[signature]	Date:	6-4	Time:	
		Date:		Time:	
Received:	FedEx		6-4		
eceived:	Ashley Matthews	Date:	6/7/99	Time:	9:30Am

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

Environmental Data Resources, Inc.
an edr company

***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

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

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:

NPL:	National Priority List
Delisted NPL:	NPL Deletions
RCRIS-TSD:	Resource Conservation and Recovery Information System
SHWS:	State Haz. Waste
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information 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. BLACKVILLE, SC 29817	FINDS	29817DCNC 11

EXECUTIVE SUMMARY

DUCANE HEATING CORPORATION
118 W MAIN STREET
BLACKVILLE, SC 29817

RCRIS-LQG SCD045634326
TRIS

EXECUTIVE SUMMARY

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 - 1/2 SSE***	***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 - 1/2 SSE***	***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

EXECUTIVE SUMMARY

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.

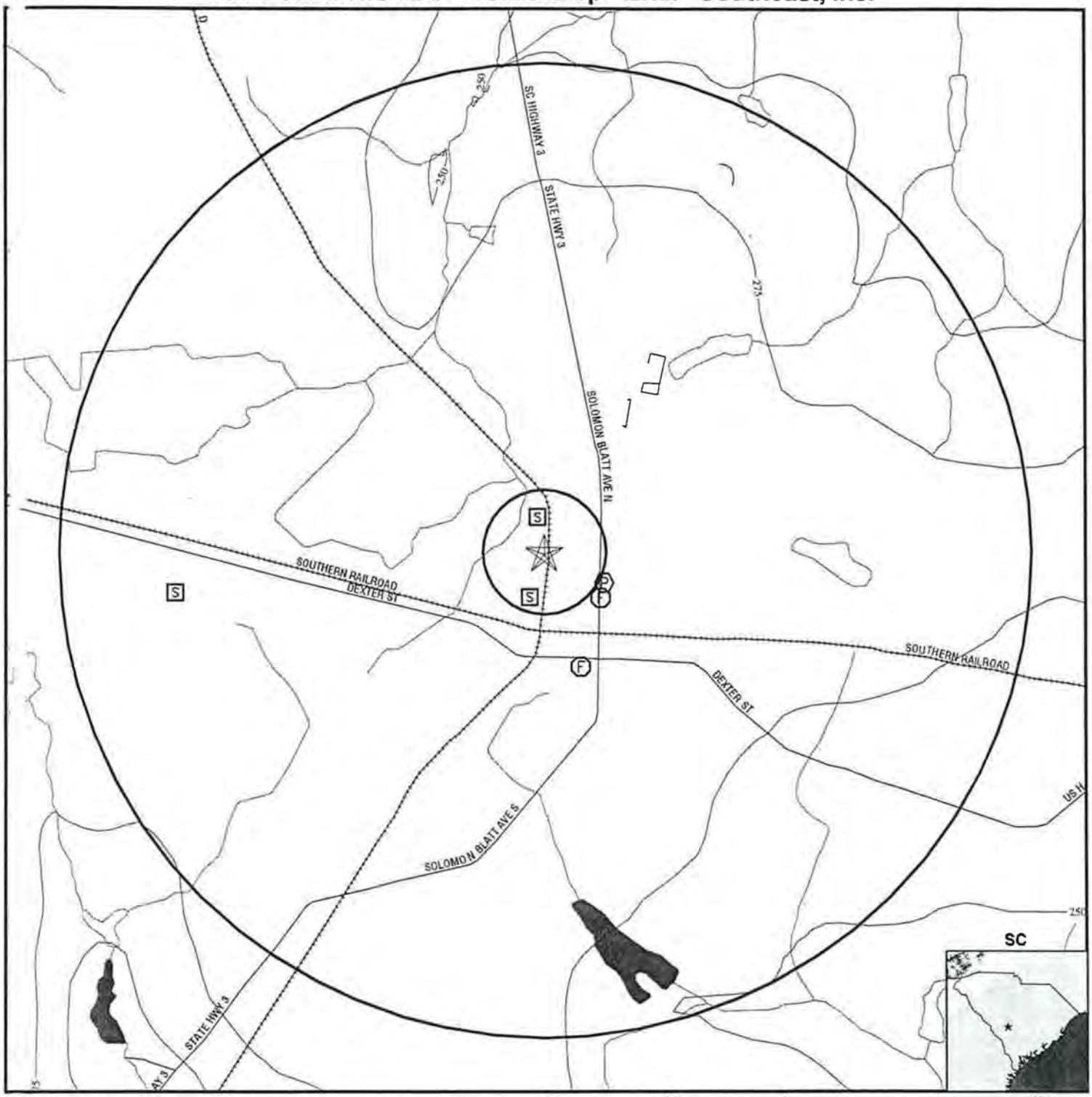
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SHELTON FOOD STORES #2	*309 DEXTER ST*	*1/4 - 1/2 SSE*	*B5*	*10*

EXECUTIVE SUMMARY

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.



- Major Roads
- Contour Lines
- Waterways
- ( ) Earthquake epicenter, Richter 5 or greater
- Closest Federal Well in quadrant
- [S] Closest State Well in quadrant
- Closest Public Water Supply Well

TARGET PROPERTY:	Ducane	CUSTOMER:	ERM - Southeast, Inc.
ADDRESS:	118 West Main Street	CONTACT:	Eric White
CITY/STATE/ZIP:	Blackville SC 29817	INQUIRY #:	1377343.1p
LAT/LONG:	33.3596 / 81.2748	DATE:	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

MAP ID	DISTANCE FROM TP	DIRECTION FROM TP	GENERAL DIRECTION 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 QUADRANT	DISTANCE FROM TP	LITHOLOGY	DEPTH TO 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 QUADRANT	DISTANCE FROM TP
Northern	1/8 - 1/4 Mile
Eastern	>2 Miles
Southern	1/8 - 1/4 Mile
Western	1 - 2 Miles

† Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).
‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/6-90/016a,Chapter 4, page 78, September 1990.
** EDR AQUIFLOW™ information System of hydrogeologically determined groundwater flow directions at specific locations. See the data pages at the end of this report for a complete description.

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

AREA RADON INFORMATION

EPA Radon Zone for BARNWELL County: 3

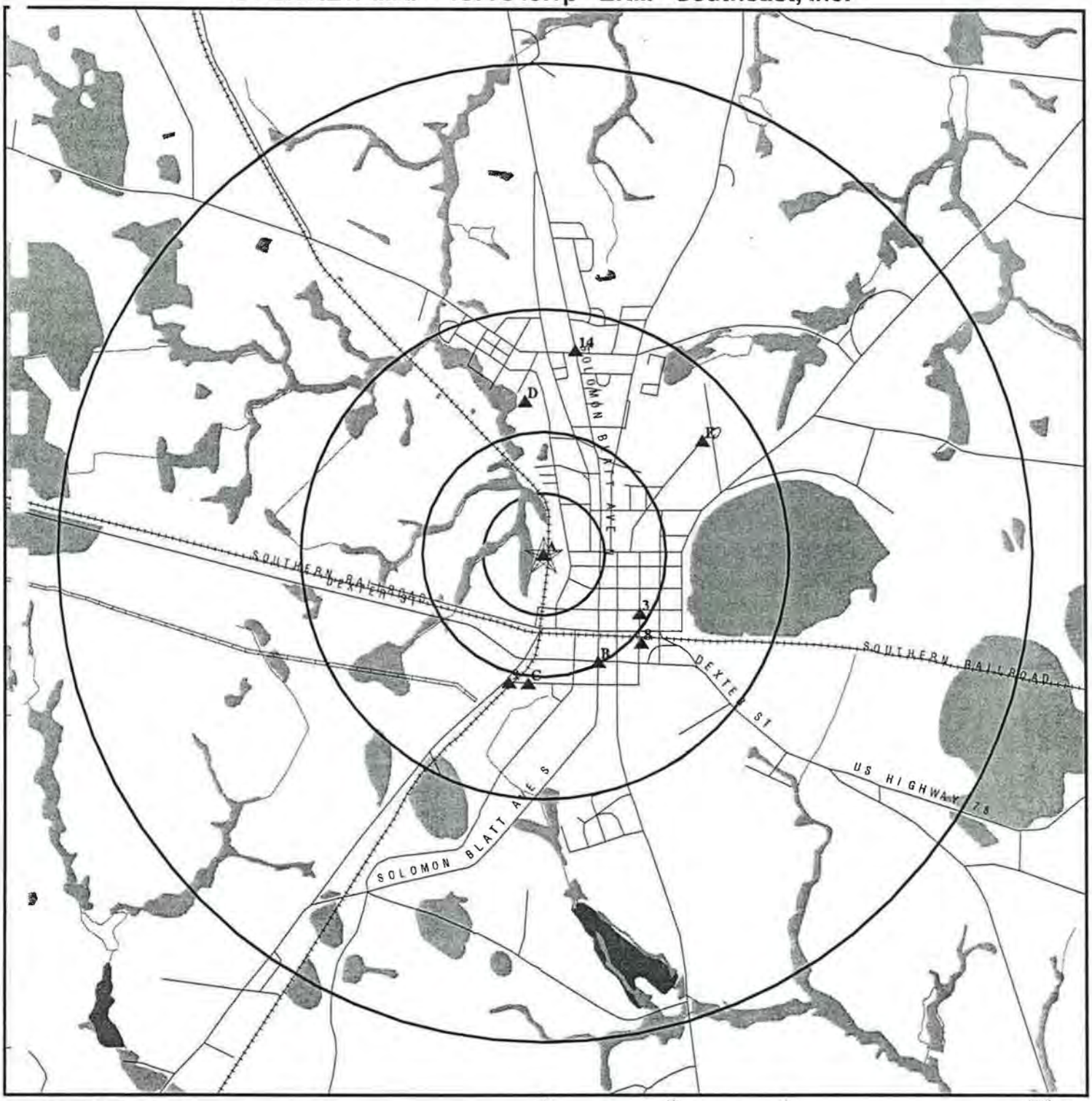
Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

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.



0 1/2 1 2 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites (if requested)

National Priority List Sites

Landfill Sites

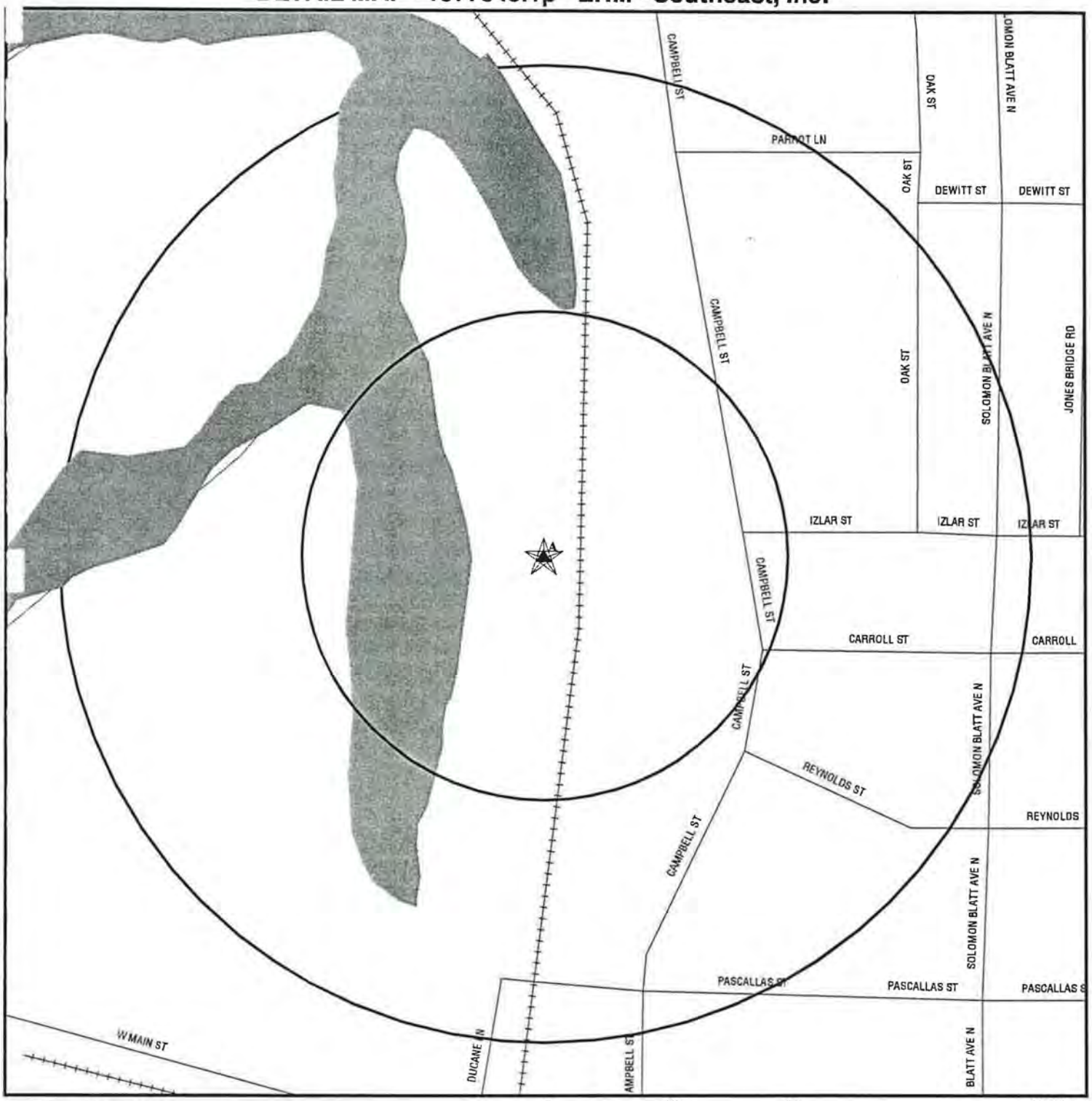
Power transmission lines

Oil & Gas pipelines

Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY:	Ducane	CUSTOMER:	ERM - Southeast, Inc.
ADDRESS:	118 West Main Street	CONTACT:	Eric White
CITY/STATE/ZIP:	Blackville SC 29817	INQUIRY #:	1377343.1p
LAT/LONG:	33.3596 / 81.2748	DATE:	June 07, 1999 12:01 pm

DETAIL MAP - 1377343.1p - ERM - Southeast, Inc.



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY:	Ducane	CUSTOMER:	ERM - Southeast, Inc.
ADDRESS:	118 West Main Street	CONTACT:	Eric White
CITY/STATE/ZIP:	Blackville SC 29817	INQUIRY #:	1377343.1p
LAT/LONG:	33.3596 / 81.2748	DATE:	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	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

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	1	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

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

A2 Target Property — **DUCANE CO.**, **118 W. MAIN ST.**, **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)	Waste	Quantity (Lbs)
D001	227600.00	D002	2620.00
D035	226000.00	F001	6360.00
F003	232360.00	F005	226000.00

Used Oil Recyc: No

Violation Status: Violation information exist

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

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	08/17/1993
	Generator-All Requirements	08/17/1993
Compliance Schedule Evaluation (CSE)	Generator-All Requirements	05/14/1990
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	05/14/1990
	Generator-All Requirements	05/14/1990
	Generator-Land Ban Requirements	05/14/1990
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	09/18/1987
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	09/18/1987
	Generator-All Requirements	09/18/1987
	Generator-All Requirements	09/18/1987
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/25/1984

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3 ESE 1/4-1/2 2435 Higher — **FMHA HUTTO GREENE WHSE**, **200 VALLEY RD**, **BLACKVILLE, SC 29817** — **RCRIS-SQG**, **FINDS** — **1000835396**, **SCD987593381**

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

B4 **JR FOOD MART #4** **UST** **U001119105**
SSE **300 DEXTER ST** **N/A**
1/4-1/2 **BLACKVILLE, SC 29817**
2593
Higher

UST:

Facility ID:	R-06-NO-00850	Tank ID:	001
Contact:	LEONARD MILLS	Contact Tel:	(803)259-2960
Product:	Gasoline	Other Substance:	Not reported
Calcage:	16.96	Owner Tel	(803)259-7578
Owner:	ANDERSON OIL CO INC ATTN LEONARD MILLS		
Capacity:	8000		
Status:	Currently in use		
Owner Address:	PO BOX 1285 SC, BA 29812		

Facility ID:	R-06-NO-00850	Tank ID:	002
Contact:	LEONARD MILLS	Contact Tel:	(803)259-2960
Product:	Gasoline	Other Substance:	Not reported
Calcage:	16.96	Owner Tel	(803)259-7578
Owner:	ANDERSON OIL CO INC ATTN LEONARD MILLS		
Capacity:	8000		
Status:	Currently in use		
Owner Address:	PO BOX 1285 SC, BA 29812		

Facility ID:	R-06-NO-00850	Tank ID:	003
Contact:	LEONARD MILLS	Contact Tel:	(803)259-2960
Product:	Gasoline	Other Substance:	Not reported
Calcage:	16.96	Owner Tel	(803)259-7578
Owner:	ANDERSON OIL CO INC ATTN LEONARD MILLS		
Capacity:	6000		
Status:	Currently in use		
Owner Address:	PO BOX 1285 SC, BA 29812		

B5 **SHELTON FOOD STORES #2** **UST** **U000478033**
SSE **309 DEXTER ST** **SC GWIC** **N/A**
1/4-1/2 **BLACKVILLE, SC 29817** **LUST**
2608
Higher

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	Release:	1
Owner:	SHELTON FOOD STORES INC		
NFA Date:	Not reported	Cost Proposal #:	06718

Site Priority Classification:
Free product exists in a monitoring well at a measured thickness > 0.01 foot

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	Entry Date:	07/10/1998
Remarks:	Site # 13117. RBCA Classification 3B		

UST:

Facility ID:	P-06-NO-13117	Tank ID:	001
Contact:	STEVEN SHELTON	Contact Tel:	(803)284-3137
Product:	Gasoline	Other Substance:	Not reported
Calcage:	23.09	Owner Tel	(803)284-3232
Owner:	SHELTON FOOD STORES INC		
Capacity:	8000		
Status:	Currently in use		
Owner Address:	PO BOX 535 SC, BL 29817		

Facility ID:	P-06-NO-13117	Tank ID:	002
Contact:	STEVEN SHELTON	Contact Tel:	(803)284-3137
Product:	Gasoline	Other Substance:	Not reported
Calcage:	23.09	Owner Tel	(803)284-3232
Owner:	SHELTON FOOD STORES INC		
Capacity:	8000		
Status:	Currently in use		
Owner Address:	PO BOX 535 SC, BL 29817		

Facility ID:	P-06-NO-13117	Tank ID:	003
Contact:	STEVEN SHELTON	Contact Tel:	(803)284-3137
Product:	Kerosene	Other Substance:	Not reported
Calcage:	12.18	Owner Tel	(803)284-3232
Owner:	SHELTON FOOD STORES INC		
Capacity:	3000		
Status:	Currently in use		
Owner Address:	PO BOX 535 SC, BL 29817		

SHELTON FOOD STORES #2 (Continued) **U000478033**

Facility ID: P-06-NO-13117
Contact: STEVEN SHELTON
Product: Gasoline
Calcage: 12.18
Owner: SHELTON FOOD STORES INC
Capacity: 8000
Status: Currently in use
Owner Address: PO BOX 535
SC, BL 29817

Tank ID: 004
Contact Tel: (803)284-3137
Other Substance: Not reported
Owner Tel (803)284-3232

C6 South 1/2-1 2796 Higher
TOWN OF BLACKVILLE **LUST** **U001013077**
113 S BOUNDARY ST **N/A**
BLACKVILLE, SC 29817

LUST:
Facility ID: N-06-GM-14903
Chemical: PETRO
Lat/long: Not reported
Owner: TOWN OF BLACKVILLE
NFA Date: 03/30/1995
Site Priority Classification:
Not reported

Proj Manager: WISNEWBJ
Release Date: 03/30/1995
Release: 1
Cost Proposal #: Not reported

C7 South 1/2-1 2796 Higher
BLACKVILLE MAINTENANCE SHOP **RCRIS-SQG** **1000875859**
113 SOUTH BOUNDAY ST **FINDS** **SCD987597606**
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

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8 SE 1/2-1 2844 Higher
CREAMER HEATING & AIR COND **LUST** **U000477438**
513 MAIN ST **N/A**
JACKSON, SC 29831

CREAMER HEATING & AIR COND (Continued) — **U000477438**

LUST:
Facility ID: N-02-NN-14276
Chemical: PETRO
Lat/long: Not reported
Owner: H L CREAMER
NFA Date: 03/16/1999
Proj Manager: CORLEYHR
Release Date: 03/23/1992
Release: 1
Cost Proposal #: 06861
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

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9 SSW 1/2-1 2859 Higher — **TOWN OF BLACKVILLE**, **113 S BOUNDARY ST**, **BLACKVILLE, SC 29817** — **UST** — **U003526013**, **N/A**

UST:
Facility ID: N-06-GM-14903
Contact: DALE SIMS
Product: Not reported
Calcage: 0.00
Owner: TOWN OF BLACKVILLE
Capacity: Not reported
Status: Not reported
Owner Address: 213 N LARTIGUE ST
SC, BL 29817
Tank ID: Not reported
Contact Tel: (803)284-2444
Other Substance: Not reported
Owner Tel (803)284-2444

D10 North 1/2-1 3329 Higher — **CLEMSON UNIV. EDISTO BRANCH ST**, **U.S. HWY 78 WEST**, **BLACKVILLE, SC 29817** — **RCRIS-SQG**, **FINDS** — **1000303364**, **SCD987570702**

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 1/2-1 3333 Higher — **AUGUSTA FIBERGLASS COATINGS, INC.**, **HWY 13 SOUTH**, **BLACKVILLE, SC 29817** — **RCRIS-SQG** — **1000427955**, **SCD075872267**

AUGUSTA FIBERGLASS COATINGS, INC. (Continued) **1000427955**

RCRIS:
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:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	01/12/1994
	Generator-All Requirements	01/12/1994
	Generator-All Requirements	01/12/1994
Other Evaluation	Generator-All Requirements	01/07/1993

E12 NE 1/2-1 4229 Higher **BLACKVILLE SCHOOL BUS SHOP** **LUST** **S103685911**
565 COUNTRY CLUB RD **N/A**
BLACKVILLE, SC

LUST:
Facility ID: R-06-GS-09610
Chemical: PETRO
Lat/long: Not reported
Owner: SC DEPT OF EDUCATION
NFA Date: 01/22/1999
Site Priority Classification:
Not reported
Proj Manager: FANTRM
Release Date: 01/20/1999
Release: 2
Cost Proposal #: Not reported

E13 NE 1/2-1 4229 Higher **BLACKVILLE SCHOOL BUS SHOP** **LUST** **S103685910**
565 COUNTRY CLUB RD **N/A**
BLACKVILLE, SC

LUST:
Facility ID: R-06-GS-09610
Chemical: PETRO
Lat/long: Not reported
Owner: SC DEPT OF EDUCATION
NFA Date: 01/22/1999
Site Priority Classification:
Not reported
Proj Manager: FANTRM
Release Date: 01/20/1999
Release: 1
Cost Proposal #: Not reported

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14 North 1/2-1 4457 Higher **SHELTON FOOD STORES #1** **UST** **U001013097**
901 SOLOMON BLATT AVE **LUST** **N/A**
BLACKVILLE, SC 29817

SHELTON FOOD STORES #1 (Continued) **U001013097**

LUST:

Facility ID:	N-06-NO-13118	Proj Manager:	WRIGHTJW
Chemical:	PETRO	Release Date:	08/27/1998
Lat/long:	Not reported	Release:	1
Owner:	SHELTON FOOD STORES INC		
NFA Date:	Not reported	Cost Proposal #:	07389

Site Priority Classification:
The ground water is encountered < 15 feet and the site geology is predominantly silt or clay

UST:

Facility ID:	N-06-NO-13118	Tank ID:	Not reported
Contact:	STEVEN SHELTON	Contact Tel:	(803)284-3137
Product:	Not reported	Other Substance:	Not reported
Calcage:	0.00	Owner Tel	(803)284-3232
Owner:	SHELTON FOOD STORES INC		
Capacity:	Not reported		
Status:	Not reported		
Owner Address:	PO BOX 535 SC, BL 29817		

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-00846
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

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

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

LITHOLOGIC DATA

Not Reported

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Well Information:

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

SCWRC #:	34W--S04	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	Elev. Method:	Topographic Map
Contact:	Not Reported	Owner:	TOWN OF BLACKVILLE
Address:	Not Reported		
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

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

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

SCWRC #:	33W--Q01	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	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

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

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

SCWRC #:	34W--S06	Owner ID:	Not Reported
SCWRC User ID:	Not Reported	Location:	BLACKVILLE, SC
County #:	BRN-0226	Topography:	Not Reported
Quad Name:	Not Reported	Quad #:	Not Reported
Latitude:	332125	Longitude:	811633
UTME:	0	UTMN:	0
Depth Drilled (Ft.):	0	Depth Completed (Ft.):	0
Elevation:	290.00	Elev. Method:	Topographic Map
Contact:	Not Reported	Owner:	TOWN OF BLACKVILLE
Address:	Not Reported		
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:	DATA SOURCE:GW-1; DC:VA. WELL SUPPLY; WAS BW-83;		

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):	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.):	0

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

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

SCWRC #:	34W--Q04	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
Elevation:	300.00	Elev. Method:	Topographic Map
Contact:	Not Reported	Owner:	EDISTO EXP. STATION
Address:	Not Reported		
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 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		
Casing Top (Ft.):	0	Casing Bottom (Ft.):	0
Num. of Screens:	0	Screen Type	Not Reported
Screen Diameter:	0	Slot Size (Inches)	Not Reported
Screen Top (Ft.):	0	Screen Bottom (Ft.):	0

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

PWS SUMMARY:

PWS ID:	SC0610003	PWS Status:	Active	Distance from TP:	1/4 - 1/2 Mile
Date Initiated:	June / 1977	Date Deactivated:	Not Reported	Dir relative to TP:	East
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:	Not Reported				
Treatment Class:	Treated		Population Served:	2,501 - 3,300 Persons	

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

VIOLATIONS INFORMATION:

Violation ID:	9425534	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	07/01/93	Vio. end Date:	12/31/93	Vio. Period:	6 Months
Num of required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Initial Tap Sampling for Pb and Cu				
Contaminant:	LEAD & COPPER RULE				
Vio. Awareness Date:	Not Reported				

EPA Waste Codes Addendum

Code	Description
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.
D002	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
F001	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.
F003	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.
F005	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 substances.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 property in order to recover remedial action expenditures or when the property 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 site.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 sites.

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. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

TESTAMERICA INC.

Chain of Custody Record

#8424 Page 1 of 2

❒ Asheville, NC (A) (828) 254-5169 ❒ Bartlett, IL (C) (630) 289-3100 ❒ Cedar Falls, IA (E) (319) 277-2401 ❒ Charlotte, NC (G) (704) 392-1164 ❒ Dayton, OH (I) (937) 294-6856 ❒ Lumberton, NC (K) (910) 738-6190 ❒ Nashville, TN (M) (615) 726-0177 ❒ Pontiac, MI (O) (248) 332-1940 ❒ Rockford. Il (Q) (815) 874-2171

❒ Atlanta, GA (B) (770) 368-0636 ❒ Brighton, CO (D) (303) 659-0497 ☒ Charleston, SC (F) (843) 849-6550 ❒ Columbia, SC (H) (803) 796-8989 ❒ Davenport. IA (J) (319) 323-7944 ❒ Indianapolis, IN (L) (317) 842-4261 ❒ Macon, GA (N) (912) 757-0811 ❒ Orlando, FL (P) (407) 851-2560 ❒ Watertown, WI (R) (920) 261-1660

Client: ERM	Project No.: 9489	149166
Report Address: 498 Wando Pk. Blvd	Invoice Address: SAME	8424
Suite 100, Mt. Pleasant SC 29464		
Attn: Eric White	Attn:	
Phone No.: 843 856 4270	Sampled By: Rod Trumain/Eric White	
Fax No.: 843 856 4283	P.O. No: 9489	
TURNAROUND TIME	Quote No.	
☒ Standard	State Samples Collected SC	
❒ Rush (surcharges may apply)	Date Needed: 7/2	

REQUESTED PARAMETERS

VOC - 8260 SVOC - 8270

Is this work being conducted for regulatory compliance monitoring? Yes___ No X

Is this work being conducted for regulatory enforcement action? Yes___ No X

Which regulations apply: RCRA___ NPDES Wastewater___ UST___ Drinking Water___ Other___ None X

Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	VOC	SVOC	# and type of containers HCl	NaOH	HNO_3	H_2SO_4	Other	None	REMARKS
SB-1	6-23	1030	G	Soil	94976	X	X					3	2	#8424
SB-2	"	1100	"	"	77	"	"					"	"	
SB-3	"	1135	"	"	78	"	"					"	"	
SB-4	"	1215	"	"	79	"	"					"	"	
SB-5	"	1320	"	"	80	"	"					"	"	
SB-6	"	1445	"	"	81	"	"					"	"	
SB-7	"	1535	"	"	82	"	"					"	"	
SB-8	"	1620	"	"	83	"	"					"	"	
SB-9	"	1700	"	"	84	"	"					"	"	
SB-10	↓	1725	↓	↓	94985	↓	↓					↓	↓	

QC Deliverables: ❒ None ❒ Level 2 - Batch QC ❒ Level 3 ❒ Level 4 ❒ Other

Init Lab Temp: 4C Rec Lab Temp

COMMENTS: shipped Fed ex to Spec Assays Acct.# 811315098319

Relinquished By:	Date 6-25 Time 1019	Received By: Bradford	Date 6/25/99 Time 1015	LAB USE ONLY:
Relinquished By: Bradford	Date 6/25/99 Time 1700	Received By: J Jacobs	Date 6/26/99 Time 900	
Relinquished By:	Date Time	Received By:	Date Time	Custody Seal: ❒ Yes ❒ No ❒ N/A
Relinquished By:	Date Time	Received By:	Date Time	Bottles Supplied by TA: ❒ Yes ❒ No

Chain of Custody Record

TESTAMERICA INC.

#8424

❒ Asheville, NC (A) (828) 254-5169 ❒ Bartlett, IL (C) (630) 289-3100 ❒ Cedar Falls, IA (E) (319) 277-2401 ❒ Charlotte, NC (G) (704) 392-1164 ❒ Dayton, OH (I) (937) 294-6856 ❒ Lumberton, NC (K) (910) 738-6190 ❒ Nashville, TN (M) (615) 726-0177 ❒ Pontiac, MI (O) (248) 332-1940 ❒ Rockford. Il (Q) (815) 874-2171

❒ Atlanta, GA (B) (770) 368-0636 ❒ Brighton, CO (D) (303) 659-0497 ☒ Charleston, SC (F) (843) 849-6550 ❒ Columbia, SC (H) (803) 796-8989 ❒ Davenport. IA (J) (319) 323-7944 ❒ Indianapolis, IN (L) (317) 842-4261 ❒ Macon, GA (N) (912) 757-0811 ❒ Orlando, FL (P) (407) 851-2560 ❒ Watertown, WI (R) (920) 261-1660

Client: FRM	Project No.:
Report Address: See Sheet 1	Invoice Address:
Attn:	Attn:
Phone No.:	Sampled By:
Fax No.:	P.O. No:
TURNAROUND TIME ☒ Standard ❒ Rush (surcharges may apply)	Quote No. / State Samples Collected / Date Needed: 7/2

149166

REQUESTED PARAMETERS

8424 VOC - 8260 SVOC - 8270

Is this work being conducted for regulatory compliance monitoring? Yes___ No☒

Is this work being conducted for regulatory enforcement action? Yes___ No☒

Which regulations apply:
RCRA___ NPDESWastewater___
UST___ Drinking Water___
Other___ None☒

Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	VOC	SVOC	# and type of containers: HCl	NaOH	HNO_3	H_2SO_4	Other	None	REMARKS
SB-11	6-24	1030	G	SOIL	94986	X	X					3	2	#8424
SB-12	↓	1140	↓	↓	87	↓	↓					↓	↓	
SB-13		1200			88									
SB-14		1240			89									
SB-15	↓	135	↓	↓	94990	↓	↓					↓	↓	

QC Deliverables: ❒ None ❒ Level 2 - Batch QC ❒ Level 3 ❒ Level 4 ❒ Other

Init Lab Temp: 4°C Rec Lab Temp

COMMENTS: Shipped FedEx to ~~Test~~ A Spec Assays Aubrill #811315098319

Relinquished By:	6-25 Date 1010 Time	Received By: J Bradford	6-25-99 Date 1010 Time	LAB USE ONLY:
Relinquished By: J Bradford	6-25-99 Date 1700 Time	Received By: J Jacobs	6/26/99 Date 900 Time	
Relinquished By:	Date Time	Received By:	Date Time	Custody Seal: ❒Yes ❒No ❒N/A
	Date Time		Date Time	Bottles Supplied by TA: ❒Yes ❒No

SPECIALIZED ASSAYS, INC.

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
7884 JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

Project: 9429
Project Name: ERM
Sampler: ROD 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

Analyte	Result	Units	Report Limit	Qual	Limit	Dil Factor	Date	Time	Analyst	Method	Batch
SEXTRACTABLE ORGANICS*											
Acenaphthene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.767		0.660	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.959		0.825	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.959		0.825	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2,4-Dinitrotoluene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.384		0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.959	0.825	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.959	0.825	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.959	0.825	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.959	0.825	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.959	0.825	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.959	0.825	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.384	0.330	1	7/ 4/99	20:47	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	1.163	0.0100	100	6/29/99	0:46	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.2326	0.0100	100	6/29/99	0:46	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	1.163	0.0100	100	6/29/99	0:46	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.2326	0.0100	100	6/29/99	0:46	N. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	1.163	0.0100	100	6/29/99	0:46	N. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,1-Dicloroethene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
cis-1,2-Dichloroethene	8.450	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Ethylbenzene	2.791	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	1.163	0.0100	100	6/29/99	0:46	N. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	1.163	0.0100	100	6/29/99	0:46	N. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	1.163	0.0100	100	6/29/99	0:46	N. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Styrene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Tetrachloroethene	0.7791	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Toluene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824
Trichloroethene	4.802	mg/kg	0.2326	0.0020	100	6/29/99	0:46	N. Hurt	8260B	5824

COPY 1

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Xylenes	14.55	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.2326	0.0020	100	6/29/99	0:46	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	86.	%			1	7/ 2/99	17:18	Fitzwater	CLP	3153

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	5.5 g	5.0 ml	6/23/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	86.	48. - 160.
surr-Toluene d8	91.	79. - 119.
surr-4-Bromofluorobenzene	79.	69. - 135.
surr-Dibromofluoromethane	69.	63. - 135.
surr-Nitrobenzene-d5	58.	28. - 118.
surr-2-Fluorobiphenyl	62.	18. - 110.
surr-Terphenyl d14	76.	27. - 128.
surr-Phenol d5	75.	10. - 111.
surr-2-Fluorophenol	39.	10. - 107.
surr-2,4,6-Tribromophenol	82.	14. - 110.

All samples have been corrected for dry weight.

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

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

Report Approved By: J Mitchell 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

SPECIALIZED ASSAYS, INC.

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
255A JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

Project: 9459
Project Name: ERM
Sampler: ROD TRUMAN

Lab Number: 99-A94977
Sample ID: SB-2
Sample Type: Soil
Site ID:

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.759	0.660	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.946	0.825	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.948	0.825	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Rusa Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.948	0.825	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.948	0.825	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.948	0.825	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.948	0.825	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.948	0.825	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.948	0.825	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.379	0.330	1	7/ 4/99	21:25	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0106	0.0093	1	6/27/99	19:38	N. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0106	0.0093	1	6/27/99	19:38	N. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
Carbon disulfide	0.0151	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	N. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0106	0.0093	1	6/27/99	19:38	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0106	0.0093	1	6/27/99	19:38	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0106	0.0093	1	6/27/99	19:38	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0106	0.0093	1	6/27/99	19:38	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0021	0.0019	1	6/27/99	19:38	M. Hurt	8260B	5824
%GENERAL CHEMISTRY PARAMETERS%										
% Dry Weight	87.	%			1	7/ 2/99	17:18	Fitzwater	CLP	3153

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	5.4 g	5.0 ml	6/23/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	124.	48. - 160.
Surr-Toluene d8	96.	79. - 119.
Surr-4-Bromofluorobenzene	93.	69. - 135.
Surr-Dibromofluoromethane	111.	63. - 135.
Surr-Nitrobenzene-d5	53.	20. - 110.
Surr-2-Fluorobiphenyl	56.	18. - 110.
Surr-Terphenyl d14	67.	27. - 128.
Surr-Phenol d5	66.	10. - 111.
Surr-2-Fluorophenol	34.	10. - 107.
Surr-2,4,6-Tribromophenol	72.	14. - 110.

All samples have been corrected for dry weight.

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ANALYTICAL REPORT

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

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

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

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

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

Project: 9489
Project Name: ERM
Sampler: ROD TRUMAN

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
%EXTRACTABLE ORGANICS%										
Acenaphthene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.786	0.660	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.982	0.825	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.982	0.825	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94978
Sample ID: SB-3

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.982	0.825	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.982	0.825	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.982	0.825	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.393	0.330	1	7/ 4/99	22:04	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0074	0.0062	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0074	0.0062	1	7/ 2/99	13:16	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0074	0.0062	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0074	0.0062	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0074	0.0062	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0074	0.0062	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Dibromodichloromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	13:16	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	84.	%			1	7/ 2/99	17:18	Fitzwater	CLP	3153

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/23/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	89.	48. - 160.
Surr-Toluene d8	100.	79. - 119.
Surr-4-Bromofluorobenzene	90.	69. - 135.
Surr-Dibromofluoromethane	81.	63. - 135.
Surr-Nitrobenzene-d5	47.	20. - 110.
Surr-2-Fluorobiphenyl	49.	18. - 110.
Surr-Terphenyl d14	64.	27. - 128.
Surr-Phenol d5	60.	10. - 111.
Surr-2-Fluorophenol	31.	10. - 107.
Surr-2,4,6-Tribromophenol	69.	14. - 110.

All samples have been corrected for dry weight.

SPECIALIZED ASSAYS, INC.

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 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

SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
7884 JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

Lab Number: 99-A94979
Sample ID: SB-4
Sample Type: Soil
Site ID:

Project: 9469
Project Name: ERM
Sampler: ROD TRUMAN

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.815	0.660	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.02	0.825	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	1.02	0.825	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018

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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94979
Sample ID: SB-4

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
3,p-Methylphenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	1.02	0.825	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	1.02	0.825	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	1.02	0.825	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.407	0.330	1	7/ 4/99	22:41	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0080	0.0065	1	6/27/99	20:45	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0080	0.0065	1	6/27/99	20:45	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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P.O. Box 40566
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94979
Sample ID: SB-4

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0080	0.0065	1	6/27/99	20:45	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0080	0.0065	1	6/27/99	20:45	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0080	0.0065	1	6/27/99	20:45	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0080	0.0065	1	6/27/99	20:45	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Tetrachloroethene	0.0048	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Trichloroethene	0.0016	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A94979
Sample ID: SB-4

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0016	0.0013	1	6/27/99	20:45	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	81.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PCB's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	7.7 g	5.0 ml	6/23/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	121.	48. - 160.
Surr-Toluene d8	98.	79. - 117.
Surr-4-Bromofluorobenzene	86.	69. - 135.
Surr-Dibromofluoromethane	109.	63. - 135.
Surr-Nitrobenzene-d5	52.	20. - 110.
Surr-2-Fluorobiphenyl	55.	18. - 110.
Surr-Terphenyl d14	68.	27. - 128.
Surr-Phenol d5	67	10. - 111.
Surr-2-Fluorophenol	34.	10. - 107.
Surr-2,4,6-Tribromophenol	73.	14. - 110.

All samples have been corrected for dry weight.

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A94979
Sample ID: SB-4

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

SPECIALIZED ASSAYS, INC.

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Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
7884 JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

Lab Number: 99-A94980
Sample ID: SB-5
Sample Type: Soil
Site ID:

Project: 9489
Project Name: ERM
Sampler: ROD TRUMAN

Date Collected: 6/23/99
Time Collected: 13:20
Date Received: 6/26/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Benzo(b)Fluoranthene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Benzo(k)Fluoranthene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.805	0.660	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.61	0.825	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	1.61	0.825	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2,4-Dinitrotoluene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	1.01	0.825	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	1.01	0.825	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	1.01	0.825	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	1.01	0.825	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
n-nitrosodiphenylamine	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	1.01	0.825	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	1.01	0.825	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.402	0.330	1	7/ 4/99	23:19	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0076	0.0062	1	6/27/99	21:19	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0076	0.0062	1	6/27/99	21:19	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Carbon disulfide	0.0165	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A94980
Sample ID: SB-5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0076	0.0062	1	6/27/99	21:19	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0076	0.0062	1	6/27/99	21:19	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0076	0.0062	1	6/27/99	21:19	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0076	0.0062	1	6/27/99	21:19	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A94980
Sample ID: SB-5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0015	0.0012	1	6/27/99	21:19	N. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	82.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/23/99	N. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	127.	48. - 160.
surr-Toluene d8	90.	79. - 119.
surr-4-Bromofluorobenzene	86.	69. - 135.
surr-Dibromofluoromethane	112.	63. - 135.
surr-Nitrobenzene-d5	72.	20. - 110.
surr-2-Fluorobiphenyl	74.	18. - 110.
surr-Terphenyl d14	83.	27. - 128.
surr-Phenol d5	92.	10. - 111.
surr-2-Fluorophenol	48.	10. - 107.
surr-2,4,6-Tribromophenol	94.	14. - 110.

All samples have been corrected for dry weight.

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ANALYTICAL REPORT

Laboratory Number: 99-A94980
Sample ID: SB-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

SPECIALIZED ASSAYS, INC.

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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
7884 JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

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

Project: 7489
Project Name: ERM
Sampler: ROD TRUMAN

Analyte	Result	Units	Report Limit	Mass Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.742	0.660	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.927	0.825	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.927	0.825	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2,4-Dinitrotoluene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.927	0.825	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.927	0.825	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.927	0.825	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.927	0.825	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.927	0.825	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.927	0.825	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.371	0.330	1	7/ 4/99	23:57	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0079	0.0070	1	6/27/99	21:53	N. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0079	0.0070	1	6/27/99	21:53	N. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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ANALYTICAL REPORT

Laboratory Number: 99-A94981
Sample ID: SB-6

Analyte	Result	Units	Report Limit	Mass Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0079	0.0070	1	6/27/99	21:53	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0079	0.0070	1	6/27/99	21:53	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0079	0.0070	1	6/27/99	21:53	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0079	0.0070	1	6/27/99	21:53	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0016	0.0014	1	6/27/99	21:53	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	ng/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	ng/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	ng/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Vinyl chloride	ND	ng/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Xylenes	ND	ng/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Bromodichloromethane	ND	ng/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
Trichlorofluoromethane	ND	ng/kg	0.0016	0.0014	1	6/27/99	21:53	N. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	89.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	7.1 g	5.0 ml	6/23/99	N. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	134.	48. - 160.
surr-Toluene d8	95.	79. - 119.
surr-4-Bromofluorobenzene	88.	69. - 135.
surr-Dibromofluoromethane	116.	63. - 135.
surr-Nitrobenzene-d5	50.	20. - 110.
surr-2-Fluorobiphenyl	56.	18. - 110.
surr-Terphenyl d14	72.	27. - 128.
surr-Phenol d5	66.	10. - 111.
surr-2-Fluorophenol	32.	10. - 107.
surr-2,4,6-Tribromophenol	83.	14. - 110.

All samples have been corrected for dry weight.

SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

Laboratory Number: 99-A94981
Sample ID: SB-6

Report Approved By: J Mitchell 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

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 6424
TERESA BRAILSFORD
9884 JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

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: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Acenaphthylene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Anthracene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Carbazole	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
4-Chloroaniline	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2-Chlorophenol	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Chrysene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Dibenzofuran	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	ug/kg	0.750	0.660	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Diethylphthalate	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Dimethylphthalate	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	ug/kg	0.938	0.825	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	ug/kg	0.938	0.825	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	ug/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94982
Sample ID: SB-7

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bi-n-octylphthalate	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.938	0.825	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.938	0.825	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.938	0.825	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.938	0.825	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.938	0.825	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.938	0.825	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.375	0.330	1	7/ 5/99	0:35	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0087	0.0077	1	6/27/99	22:26	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0087	0.0077	1	6/27/99	22:26	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Carbon disulfide	0.0151	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0087	0.0077	1	6/27/99	22:26	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0087	0.0077	1	6/27/99	22:26	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0087	0.0077	1	6/27/99	22:26	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0087	0.0077	1	6/27/99	22:26	M. Hurt	8260B	5824
Napathalene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0017	0.0015	1	6/27/99	22:26	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	88.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	6.5 g	5.0 ml	6/23/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	125.	48. - 160.
surr-Toluene d8	90.	79. - 119.
surr-4-Bromofluorobenzene	82.	69. - 135.
surr-Dibromofluoromethane	108.	63. - 135.
surr-Nitrobenzene-d5	56.	20. - 110.
surr-2-Fluorobiphenyl	60.	18. - 110.
surr-Terphenyl d14	76.	27. - 128.
surr-Phenol d5	72.	10. - 111.
surr-2-Fluorophenol	37.	10. - 107.
surr-2,4,6-Tribromophenol	79.	14. - 110.

All samples have been corrected for dry weight.

SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

Laboratory Number: 99-A94982
Sample ID: SB-7

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

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
785A JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

Project: 9489
Project Name: ERM
Sampler: ROD TRUMAN

Lab Number: 99-A94983
Sample ID: SB-6
Sample Type: Soil
Site ID:

Date Collected: 6/23/99
Time Collected: 16:20
Date Received: 6/26/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Benzo(b)Fluoranthene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Benzo(k)Fluoranthene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
DibenzoFuran	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.805	0.660	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.01	0.825	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	1.01	0.825	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94983
Sample ID: SB-8

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	1.01	0.825	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	1.01	0.825	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	1.01	0.825	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	1.01	0.825	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	1.01	0.825	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	1.01	0.825	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.402	0.330	1	7/ 5/99	1:12	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0076	0.0062	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0076	0.0062	1	7/ 2/99	14:53	N. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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-6

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0076	0.0062	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0076	0.0062	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0076	0.0062	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0076	0.0062	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	N. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0015	0.0012	1	7/ 2/99	14:53	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	82.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	0.0 g	5.0 ml	6/23/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	132.	48. - 160.
surr-Toluene d8	119.	79. - 119.
surr-4-Bromofluorobenzene	98.	69. - 135.
surr-Dibromofluoromethane	118.	63. - 135.
surr-Nitrobenzene-d5	51.	20. - 110.
surr-2-Fluorobiphenyl	57.	18. - 110.
surr-Terphenyl d14	67.	27. - 128.
surr-Phenol d5	65.	10. - 111.
surr-2-Fluorophenol	31.	10. - 107.
surr-2,4,6-Tribromophenol	79.	14. - 110.

All samples have been corrected for dry weight.

SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

Laboratory Number: 99-A94983
Sample ID: SB-8

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

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
9856 JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

Lab Number: 99-A94984
Sample ID: SB-9
Sample Type: Soil
Site ID:

Project: 9489
Project Name: ERM
Sampler: ROD TRUMAN

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Benzo(b)Fluoranthene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Benzo(k)Fluoranthene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.795	0.660	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Di-n-Butylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.994	0.825	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.994	0.825	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.994	0.825	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	1:49	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.6024	0.0100	50	6/27/99	23:34	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.1205	0.0100	50	6/27/99	23:34	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.6024	0.0100	50	6/27/99	23:34	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A74984
Sample ID: SB-9

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.1205	0.0100	50	6/27/99	23:34	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.6024	0.0100	50	6/27/99	23:34	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	0.1607	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.6024	0.0100	50	6/27/99	23:34	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.6024	0.0100	50	6/27/99	23:34	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.6024	0.0100	50	6/27/99	23:34	M. Hurt	8260B	5824
Napathalene	1.241	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A94984
Sample ID: SB-9

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	0.4277	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.1205	0.0020	50	6/27/99	23:34	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	83.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
GMA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/23/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	77.	48. - 160.
surr-Toluene d8	103.	79. - 119.
surr-4-Bromofluorobenzene	89.	69. - 135.
surr-Dibromofluoromethane	73.	63. - 135.
surr-Nitrobenzene-d5	56.	20. - 110.
surr-2-Fluorobiphenyl	60.	18. - 110.
surr-Terphenyl d14	73.	27. - 128.
surr-Phenol d5	74.	10. - 111.
surr-2-Fluorophenol	39.	10. - 107.
surr-2,4,6-Tribromophenol	87.	14. - 110.

All samples have been corrected for dry weight.

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ANALYTICAL REPORT

Laboratory Number: 99-A94984
Sample ID: SB-9

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

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
785A JOHNNIE DODDS BLDV
MT. 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: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Acenaphthylene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Anthracene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Carbazole	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
4-Chloroaniline	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2-Chlorophenol	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Chrysene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Dibenzofuran	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	ug/kg	0.917	0.660	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Diethylphthalate	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Dimethylphthalate	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	ug/kg	1.15	0.825	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	ug/kg	1.15	0.825	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	ug/kg	0.458	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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ANALYTICAL REPORT

Laboratory Number: 99-A94985
Sample ID: SB-10

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
3,4-Methylphenol	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	1.15	0.825	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	1.15	0.825	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	1.15	0.825	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	1.15	0.825	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	1.15	0.825	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	1.15	0.825	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.450	0.330	1	7/ 5/99	2:26	M.Goodrich	8270C	7018
VOLATILE ORGANICS#										
Acetone	ND	mg/kg	0.0088	0.0063	1	6/28/99	0:08	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0088	0.0063	1	6/28/99	0:08	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
Carbon disulfide	0.0207	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

Laboratory Number: 99-A94985
Sample ID: SB-10

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0088	0.0063	1	6/28/99	0:08	N. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,3-Dichloropropene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0088	0.0063	1	6/28/99	0:08	N. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0088	0.0063	1	6/28/99	0:08	N. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0088	0.0063	1	6/28/99	0:08	N. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0018	0.0013	1	6/28/99	0:08	N. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.0018	1	6/28/99	0:08	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0018	0.0018	1	6/28/99	0:08	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0018	0.0018	1	6/28/99	0:08	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0018	0.0018	1	6/28/99	0:08	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0018	0.0018	1	6/28/99	0:08	M. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.0018	0.0018	1	6/28/99	0:08	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0018	0.0018	1	6/28/99	0:08	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	72.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	7.9 g	5.0 ml	6/23/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	99.	48. - 160.
surr-Toluene d8	71.	79. - 119.
surr-4-Bromofluorobenzene	86.	69. - 135.
surr-Dibromofluoromethane	95.	63. - 135.
surr-Nitrobenzene-d5	61.	20. - 110.
surr-2-Fluorobiphenyl	67.	18. - 110.
surr-Terphenyl d14	67.	27. - 128.
surr-Phenol d5	79.	10. - 111.
surr-2-Fluorophenol	35.	10. - 107.
surr-2,4,6-Tribromophenol	87.	14. - 110.

All samples have been corrected for dry weight.

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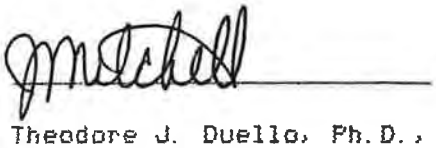
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94985
Sample ID: SB-10

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

SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
7854 JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

Lab Number: 99-A74986
Sample ID: SB-11
Sample Type: Soil
Site ID:

Project: 9489
Project Name: ERM
Sampler: ROD TRUMAN

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.767	0.660	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.959	0.825	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.959	0.825	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94986
Sample ID: SB-11

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bi-n-butylphthalate	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.959	0.825	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.959	0.825	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.959	0.825	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.959	0.825	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.959	0.825	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.959	0.825	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.384	0.330	1	7/ 5/99	3:03	M.Goodrich	8270C	7018
VOLATILE ORGANICS*										
Acetone	ND	mg/kg	0.0106	0.0091	1	6/28/99	0:42	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0106	0.0091	1	6/28/99	0:42	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94986
Sample ID: SB-11

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0106	0.0091	1	6/28/99	0:42	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0106	0.0091	1	6/28/99	0:42	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0106	0.0091	1	6/28/99	0:42	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0106	0.0091	1	6/28/99	0:42	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Dromodichloromethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0021	0.0018	1	6/28/99	0:42	M. Hurt	8260B	5824
%GENERAL CHEMISTRY PARAMETERS%										
% Dry Weight	86.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	5.5 g	5.0 ml	6/24/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	104.	48. - 160.
surr-Toluene d8	95.	79. - 119.
surr-4-Bromofluorobenzene	92.	69. - 135.
surr-Dibromofluoromethane	100.	63. - 135.
surr-Nitrobenzene-d5	57.	20. - 110.
surr-2-Fluorobiphenyl	61.	18. - 110.
surr-Terphenyl d14	73.	27. - 128.
surr-Phenol d5	72.	10. - 111.
surr-2-Fluorophenol	34.	10. - 107.
surr-2,4,6-Tribromophenol	85.	14. - 110.

All samples have been corrected for dry weight.

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ANALYTICAL REPORT

Laboratory Number: 99-A94986
Sample ID: SB-11

Report Approved By: J Mitchell 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

SPECIALIZED ASSAYS, INC.

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Nashville, TN 37204-0566
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ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA ERAILSFORD
7855A JOHNNIE DODDS BLDV
MT. 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: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.786	0.660	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

Laboratory Number: 99-A94987
Sample ID: SB-12

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
3,4-Methylphenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	4:53	M.Goodrich	8270C	7018
VOLATILE ORGANICS:										
Acetone	ND	mg/kg	0.0084	0.0070	1	6/28/99	1:16	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0084	0.0070	1	6/28/99	1:16	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Carbon disulfide	0.0212	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0084	0.0070	1	6/28/99	1:16	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,3-Dichloropropene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0084	0.0070	1	6/28/99	1:16	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0084	0.0070	1	6/28/99	1:16	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0084	0.0070	1	6/28/99	1:16	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A94987
Sample ID: SB-12

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0017	0.0014	1	6/28/99	1:16	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	84.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	7.1 g	5.0 ml	6/24/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	104.	48. - 160.
surr-Toluene d8	92.	79. - 119.
surr-4-Bromofluorobenzene	90.	69. - 135.
surr-Dibromofluoromethane	99.	63. - 135.
surr-Nitrobenzene-d5	67.	20. - 110.
surr-2-Fluorobiphenyl	71.	18. - 110.
surr-Terphenyl d14	77.	27. - 128.
surr-Phenol d5	85.	10. - 111.
surr-2-Fluorophenol	43.	10. - 107.
surr-2,4,6-Tribromophenol	89.	14. - 110.

All samples have been corrected for dry weight.

SPECIALIZED ASSAYS, INC.

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

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

SPECIALIZED ASSAYS, INC.

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Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
285A JOHNNIE DODDS BLDV
MT. 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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
%EXTRACTABLE ORGANICS%										
Acenaphthene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.815	0.660	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.02	0.825	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	1.02	0.825	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018

COPY 1

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
3,4-Methylphenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	1.02	0.825	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	1.02	0.825	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	1.02	0.825	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.407	0.330	1	7/ 5/99	5:30	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0078	0.0063	1	6/28/99	15:19	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0078	0.0063	1	6/28/99	15:19	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0078	0.0063	1	6/28/99	15:19	N. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
DichlorodiFluoromethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0078	0.0063	1	6/28/99	15:19	N. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0078	0.0063	1	6/28/99	15:19	N. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0078	0.0063	1	6/28/99	15:19	N. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	N. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Bromodichloromethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0016	0.0013	1	6/28/99	15:19	M. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	81.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
OMA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	7.9 g	5.0 ml	6/24/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	118.	48. - 160.
surr-Toluene d8	96.	79. - 119.
surr-4-Bromofluorobenzene	98.	69. - 135.
surr-Dibromofluoromethane	105.	63. - 135.
surr-Nitrobenzene-d5	49.	20. - 110.
surr-2-Fluorobiphenyl	53.	18. - 110.
surr-Terphenyl d14	67.	27. - 128.
surr-Phenol d5	63.	10. - 111.
surr-2-Fluorophenol	35.	10. - 107.
surr-2,4,6-Tribromophenol	71.	14. - 110.

All samples have been corrected for dry weight.

SPECIALIZED ASSAYS, INC.

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

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

SPECIALIZED ASSAYS, INC.

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
7990A JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

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: 9:00

Project: 9489
Project Name: ERM
Sampler: ROD TRUMAN

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
bis(2-Chloroethoxy)methane	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
bis(2-Chloroethyl)ether	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.795	0.660	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
m,p-Methylphenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.994	0.825	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.994	0.825	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.994	0.825	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.994	0.825	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.398	0.330	1	7/ 5/99	6:06	M.Goodrich	8270C	7018
VOLATILE ORGANICS*										
Acetone	ND	mg/kg	0.0090	0.0075	1	6/28/99	15:52	M. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0090	0.0075	1	6/28/99	15:52	M. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Carbon disulfide	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94989
Sample ID: SB-14

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0090	0.0075	1	6/28/99	15:52	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0090	0.0075	1	6/28/99	15:52	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0090	0.0075	1	6/28/99	15:52	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0090	0.0075	1	6/28/99	15:52	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Toluene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824
Trichloroethene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	M. Hurt	8260B	5824

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ANALYTICAL REPORT

Laboratory Number: 99-A94989
Sample ID: SB-14

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8260B	5824
Dromodichloromethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0018	0.0015	1	6/28/99	15:52	N. Hurt	8260B	5824
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	83.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	6.7 g	5.0 ml	6/24/99	N. Hurt	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	125.	48. - 160.
surr-Toluene d8	77.	79. - 119.
surr-4-Bromofluorobenzene	91.	69. - 135.
surr-Dibromofluoromethane	114.	63. - 135.
surr-Nitrobenzene-d5	52.	20. - 110.
surr-2-Fluorobiphenyl	56.	18. - 110.
surr-Terphenyl d14	67.	27. - 128.
surr-Phenol d5	67.	18. - 111.
surr-2-Fluorophenol	34.	10. - 107.
surr-2,4,6-Tribromophenol	77.	14. - 110.

All samples have been corrected for dry weight.

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ANALYTICAL REPORT

Laboratory Number: 99-A94989
Sample ID: SB-14

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

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC-CHARLE 8424
TERESA BRAILSFORD
9855 JOHNNIE DODDS BLDV
MT. PLEASANT, SC 29464

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

Project: 9489
Project Name: ERM
Sampler: ROD TRUMAN

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<EXTRACTABLE ORGANICS>										
Acenaphthene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Acenaphthylene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Anthracene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Benzo(a)anthracene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Benzo(a)pyrene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Benzo(b)fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Benzo(g,h,i)perylene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Benzo(k)fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
4-Bromophenylphenylether	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Butylbenzylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Carbazole	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
4-Chloro-3-methylphenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
4-Chloroaniline	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Bis(2-Chloroethyl)ether	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2-Chloronaphthalene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2-Chlorophenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
4-Chlorophenylphenylether	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Chrysene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Dibenzofuran	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Dibenz(a,h)anthracene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
1,2-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
1,3-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
1,4-Dichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
3,3'-Dichlorobenzidine	ND	mg/kg	0.786	0.660	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2,4-Dichlorophenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Diethylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2,4-Dimethylphenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Dimethylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Di-n-butylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2,4-Dinitrophenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2,4-dinitrotoluene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2,6-Dinitrotoluene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A94990
Sample ID: SB-13

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Fluoranthene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Fluorene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Hexachlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Hexachlorobutadiene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Hexachlorocyclopentadiene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Hexachloroethane	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Isophorone	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2-Methylnaphthalene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2-Methylphenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
3,4-Methylphenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Naphthalene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
3-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
4-Nitroaniline	ND	mg/kg	0.982	0.825	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Nitrobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2-Nitrophenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
4-Nitrophenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
N-nitrosodi-n-propylamine	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
N-nitrosodiphenylamine	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Pentachlorophenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Phenanthrene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Phenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Pyrene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
1,2,4-Trichlorobenzene	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2,4,5-Trichlorophenol	ND	mg/kg	0.982	0.825	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
2,4,6-Trichlorophenol	ND	mg/kg	0.393	0.330	1	7/ 5/99	6:42	M.Goodrich	8270C	7018
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0082	0.0068	1	6/28/99	16:26	N. Hurt	8260B	5824
Benzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
Bromobenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
Bromochloromethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
Bromoform	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
Bromomethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
2-Butanone	ND	mg/kg	0.0082	0.0068	1	6/28/99	16:26	N. Hurt	8260B	5824
n-Butylbenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
sec-Butylbenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
t-Butylbenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
Carbon disulfide	0.0070	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
Carbon tetrachloride	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824
Chlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	N. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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ANALYTICAL REPORT

Laboratory Number: 99-A94990
Sample ID: SB-15

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
2-Chloroethylvinylether	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Chloroform	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Chloromethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
2-Chlorotoluene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
4-Chlorotoluene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0082	0.0068	1	6/28/99	16:26	M. Hurt	8260B	5824
Dibromochloromethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,2-Dibromoethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Dibromomethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,2-Dichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,3-Dichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,4-Dichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Dichlorodifluoromethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,1-Dichloroethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,2-Dichloroethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,1-Dichloroethene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
cis-1,2-Dichloroethene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
trans-1,2-Dichloroethene	0.0043	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,2-Dichloropropane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,3-Dichloropropane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
2,2-Dichloropropane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,1-Dichloropropene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
cis-1,3-Dichloropropene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
trans-1,3-Dichloropropene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Ethylbenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Hexachlorobutadiene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
2-Hexanone	ND	mg/kg	0.0082	0.0068	1	6/28/99	16:26	M. Hurt	8260B	5824
Isopropylbenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
4-Isopropyltoluene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
4-Methyl-2-pentanone	ND	mg/kg	0.0082	0.0068	1	6/28/99	16:26	M. Hurt	8260B	5824
Methylene chloride	ND	mg/kg	0.0082	0.0068	1	6/28/99	16:26	M. Hurt	8260B	5824
Naphthalene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
n-Propylbenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Styrene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Tetrachloroethene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Toluene	0.0027	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,2,3-Trichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,2,4-Trichlorobenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,1,1-Trichloroethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,1,2-Trichloroethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Trichloroethene	0.0030	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824

SPECIALIZED ASSAYS, INC.

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichloropropane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,2,4-Trimethylbenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
1,3,5-Trimethylbenzene	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Vinyl chloride	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Xylenes	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Dromodichloromethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
Trichlorofluoromethane	ND	mg/kg	0.0016	0.0014	1	6/28/99	16:26	M. Hurt	8260B	5824
%GENERAL CHEMISTRY PARAMETERS%										
% Dry Weight	84.	%			1	7/ 1/99	11:19	Fitzwater	CLP	3154

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	6/30/99	Fitzwater	3550
Volatile Organics	7.2 g	5.0 ml	6/24/99	M. Hurt	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	128.	48. - 160.
Surr-Toluene d8	96.	79. - 119.
Surr-4-Bromofluorobenzene	91.	69. - 135.
Surr-Dibromofluoromethane	115.	63. - 135.
Surr-Nitrobenzene-d5	56.	20. - 110.
Surr-2-Fluorobiphenyl	60.	18. - 110.
Surr-Terphenyl d14	75.	27. - 128.
Surr-Phenol d5	73.	10. - 111.
Surr-2-Fluorophenol	35.	10. - 107.
Surr-2,4,6-Tribromophenol	94.	14. - 110.

All samples have been corrected for dry weight.

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ANALYTICAL REPORT

Laboratory Number: 99-A94990
Sample ID: SB-15

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

SPECIALIZED ASSAYS, INC.

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PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	Units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	R.C. Batch
Acenaphthene	mg/kg	< 0.330	2.28	3.33	68	29. - 121.	7018
4-Chloro-3-methylphenol	mg/kg	< 0.330	2.51	3.33	75	21. - 128.	7018
2-Chlorophenol	mg/kg	< 0.330	2.08	3.33	62	27. - 107.	7018
1,4-Dichlorobenzene	mg/kg	< 0.330	1.95	3.33	59	20. - 116.	7018
2,4-dinitrotoluene	mg/kg	< 0.330	2.64	3.33	79	22. - 138.	7018
4-Nitrophenol	mg/kg	< 0.825	1.91	3.33	57	20. - 133.	7018
N-nitrosodi-n-propylamine	mg/kg	< 0.330	2.34	3.33	70	31. - 136.	7018
Pentachlorophenol	mg/kg	< 0.825	3.00	3.33	90	10. - 128.	7018
Phenol	mg/kg	< 0.330	2.05	3.33	62	19. - 119.	7018
Pyrene	mg/kg	< 0.330	2.54	3.33	76	14. - 166.	7018
1,2,4-Trichlorobenzene	mg/kg	< 0.330	2.34	3.33	70	16. - 122.	7018
Benzene	mg/kg	< 0.0020	0.0501	0.0500	100	62. - 147.	5824
Chlorobenzene	mg/kg	< 0.0020	0.0451	0.0500	90	59. - 141.	5824
1,1-Dichloroethene	mg/kg	< 0.0020	0.0539	0.0500	108	61. - 143.	5824
Toluene	mg/kg	< 0.0020	0.0478	0.0500	96	57. - 156.	5824
Trichloroethene	mg/kg	< 0.0020	0.0517	0.0500	103	60. - 158.	5824

Matrix Spike Duplicate

Analyte	Units	Orig. Val.	Duplicate	RPD	Limit	R.C. Batch
Acenaphthene	mg/kg	2.28	2.05	10.62	64.	7018
4-Chloro-3-methylphenol	mg/kg	2.51	2.08	18.74	54.	7018
2-Chlorophenol	mg/kg	2.08	1.91	8.52	55.	7018
1,4-Dichlorobenzene	mg/kg	1.95	1.82	6.90	51.	7018
2,4-dinitrotoluene	mg/kg	2.64	2.34	12.05	41.	7018
4-Nitrophenol	mg/kg	1.91	1.78	7.05	56.	7018
N-nitrosodi-n-propylamine	mg/kg	2.34	2.08	11.76	65.	7018
Pentachlorophenol	mg/kg	3.00	2.77	7.97	48.	7018
Phenol	mg/kg	2.05	1.82	11.89	57.	7018
Pyrene	mg/kg	2.54	2.44	4.02	34.	7018
1,2,4-Trichlorobenzene	mg/kg	2.34	2.05	13.21	47.	7018
Benzene	mg/kg	0.0501	0.0494	1.41	20.	5824
Chlorobenzene	mg/kg	0.0451	0.0446	1.11	30.	5824
1,1-Dichloroethene	mg/kg	0.0539	0.0535	0.74	21.	5824
Toluene	mg/kg	0.0478	0.0468	2.11	20.	5824
Trichloroethene	mg/kg	0.0517	0.0497	3.94	22.	5824

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
Acenaphthene	mg/kg	3.33	2.84	85	60 - 140	7018
Acenaphthylene	mg/kg	3.33	2.87	86	60 - 140	7018
Anthracene	mg/kg	3.33	2.61	78	60 - 140	7018
Benzo(a)anthracene	mg/kg	3.33	3.00	90	60 - 140	7018

COPY 1

SPECIALIZED ASSAYS, INC.

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Benzo(a)pyrene	mg/kg	3.33	3.00	90	60 - 140	7018
Benzo(b)fluoranthene	mg/kg	3.33	2.90	87	60 - 140	7018
Benzo(g,h,i)perylene	mg/kg	3.33	2.80	84	60 - 140	7018
Benzo(k)fluoranthene	mg/kg	3.33	2.74	82	60 - 140	7018
4-Bromophenylphenylether	mg/kg	3.33	3.00	90	60 - 140	7018
Butylbenzylphthalate	mg/kg	3.33	2.67	80	60 - 140	7018
Carbazole	mg/kg	3.33	2.97	89	60 - 140	7018
4-Chloro-3-methylphenol	mg/kg	3.33	2.94	88	60 - 140	7018
4-Chloroaniline	mg/kg	3.33	2.94	88	60 - 140	7018
bis(2-Chloroethoxy)methane	mg/kg	3.33	2.71	81	60 - 140	7018
bis(2-Chloroethyl)ether	mg/kg	3.33	2.51	75	60 - 140	7018
bis(2-Chloroisopropyl)ether	mg/kg	3.33	2.44	73	60 - 140	7018
2-Chloronaphthalene	mg/kg	3.33	2.84	85	60 - 140	7018
2-Chlorophenol	mg/kg	3.33	2.61	78	60 - 140	7018
4-Chlorophenylphenylether	mg/kg	3.33	2.87	86	60 - 140	7018
Chrysene	mg/kg	3.33	3.30	99	60 - 140	7018
Dibenzofuran	mg/kg	3.33	2.80	84	60 - 140	7018
Dibenz(a,h)anthracene	mg/kg	3.33	3.63	109	60 - 140	7018
1,2-Dichlorobenzene	mg/kg	3.33	2.80	84	60 - 140	7018
1,3-Dichlorobenzene	mg/kg	3.33	2.54	76	60 - 140	7018
1,4-Dichlorobenzene	mg/kg	3.33	2.48	74	60 - 140	7018
3,3'-Dichlorobenzidine	mg/kg	1.67	< 0.660	N/A	60 - 140	7018
2,4-Dichlorophenol	mg/kg	3.33	2.84	85	60 - 140	7018
Diethylphthalate	mg/kg	3.33	2.77	83	60 - 140	7018
2,4-Dimethylphenol	mg/kg	3.33	2.38	71	60 - 140	7018
Dimethylphthalate	mg/kg	3.33	2.84	85	60 - 140	7018
Di-n-butylphthalate	mg/kg	3.33	2.74	82	60 - 140	7018
4,6-Dinitro-2-methylphenol	mg/kg	3.33	3.04	91	60 - 140	7018
2,4-Dinitrophenol	mg/kg	3.33	2.94	88	60 - 140	7018
2,4-Dinitrotoluene	mg/kg	3.33	3.00	90	60 - 140	7018
2,6-Dinitrotoluene	mg/kg	3.33	2.94	88	60 - 140	7018
Di-n-octylphthalate	mg/kg	3.33	2.24	67	60 - 140	7018
Fluoranthene	mg/kg	3.33	2.90	87	60 - 140	7018
Fluorene	mg/kg	3.33	2.80	84	60 - 140	7018
Hexachlorobenzene	mg/kg	3.33	3.00	90	60 - 140	7018
Hexachlorobutadiene	mg/kg	3.33	2.80	84	60 - 140	7018
Hexachlorocyclopentadiene	mg/kg	3.33	2.77	83	60 - 140	7018
Hexachloroethane	mg/kg	3.33	2.77	83	60 - 140	7018
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	2.97	89	60 - 140	7018
Isophorone	mg/kg	3.33	3.00	90	60 - 140	7018
2-Methylnaphthalene	mg/kg	3.33	2.77	83	60 - 140	7018
2-Methylphenol	mg/kg	3.33	2.61	78	60 - 140	7018
m,p-Methylphenol	mg/kg	3.33	2.61	78	60 - 140	7018
Naphthalene	mg/kg	3.33	2.48	74	60 - 140	7018
2-Nitroaniline	mg/kg	3.33	3.14	94	60 - 140	7018
3-Nitroaniline	mg/kg	3.33	3.14	94	60 - 140	7018

COPY 1

SPECIALIZED ASSAYS, INC.

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	Units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
4-Nitroaniline	mg/kg	3.33	2.97	89	60 - 140	7018
Nitrobenzene	mg/kg	3.33	2.77	83	60 - 140	7018
2-Nitrophenol	mg/kg	3.33	2.90	87	60 - 140	7018
4-Nitrophenol	mg/kg	3.33	3.07	92	60 - 140	7018
N-nitrosodi-n-propylamine	mg/kg	3.33	2.80	84	60 - 140	7018
N-nitrosodiphenylamine	mg/kg	3.33	2.90	87	60 - 140	7018
Pentachlorophenol	mg/kg	3.33	3.63	109	60 - 140	7018
Phenanthrene	mg/kg	3.33	2.57	77	60 - 140	7018
Phenol	mg/kg	3.33	2.71	81	60 - 140	7018
Pyrene	mg/kg	3.33	2.87	86	60 - 140	7018
Bis(2-ethylhexyl)phthalate	mg/kg	3.33	2.41	72	60 - 140	7018
1,2,4-Trichlorobenzene	mg/kg	3.33	2.77	83	60 - 140	7018
2,4,5-Trichlorophenol	mg/kg	3.33	3.07	92	60 - 140	7018
2,4,6-Trichlorophenol	mg/kg	3.33	3.04	91	60 - 140	7018
Acetone	mg/kg	0.0500	0.0513	103	70 - 130	5824
Benzene	mg/kg	0.0500	0.0502	100	70 - 130	5824
Bromobenzene	mg/kg	0.0500	0.0458	92	70 - 130	5824
Bromochloromethane	mg/kg	0.0500	0.0612	122	70 - 130	5824
Bromoform	mg/kg	0.0500	0.0592	118	70 - 130	5824
Bromomethane	mg/kg	0.0500	0.0506	101	70 - 130	5824
2-Butanone	mg/kg	0.0500	0.0547	109	70 - 130	5824
n-Butylbenzene	mg/kg	0.0500	0.0422	84	70 - 130	5824
sec-Butylbenzene	mg/kg	0.0500	0.0439	88	70 - 130	5824
t-Butylbenzene	mg/kg	0.0500	0.0470	94	70 - 130	5824
Carbon disulfide	mg/kg	0.0500	0.0485	97	70 - 130	5824
Carbon tetrachloride	mg/kg	0.0500	0.0607	121	70 - 130	5824
Chlorobenzene	mg/kg	0.0500	0.0468	94	70 - 130	5824
Chloroethane	mg/kg	0.0500	0.0562	112	70 - 130	5824
2-Chloroethylvinylether	mg/kg	0.0500	0.0558	112	70 - 130	5824
Chloroform	mg/kg	0.0500	0.0551	110	70 - 130	5824
Chloromethane	mg/kg	0.0500	0.0634	127	70 - 130	5824
2-Chlorotoluene	mg/kg	0.0500	0.0393	79	70 - 130	5824
4-Chlorotoluene	mg/kg	0.0500	0.0387	77	70 - 130	5824
1,2-Dibromo-3-chloropropane	mg/kg	0.0500	0.0485	97	70 - 130	5824
Dibromochloromethane	mg/kg	0.0500	0.0572	114	70 - 130	5824
1,2-Dibromoethane	mg/kg	0.0500	0.0498	100	70 - 130	5824
Dibromomethane	mg/kg	0.0500	0.0577	115	70 - 130	5824
1,2-Dichlorobenzene	mg/kg	0.0500	0.0420	84	70 - 130	5824
1,3-Dichlorobenzene	mg/kg	0.0500	0.0391	78	70 - 130	5824
1,4-Dichlorobenzene	mg/kg	0.0500	0.0378	76	70 - 130	5824
Dichlorodifluoromethane	mg/kg	0.0500	0.0619	124	70 - 130	5824
1,1-Dichloroethane	mg/kg	0.0500	0.0530	106	70 - 130	5824
1,2-Dichloroethane	mg/kg	0.0500	0.0613	123	70 - 130	5824
1,1-Dichloroethene	mg/kg	0.0500	0.0547	109	70 - 130	5824
cis-1,2-Dichloroethene	mg/kg	0.0500	0.0564	113	70 - 130	5824
trans-1,2-Dichloroethene	mg/kg	0.0500	0.0531	106	70 - 130	5824

COPY 1

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2-Dichloropropane	mg/kg	0.0500	0.0558	112	70 - 130	5824
1,3-Dichloropropane	mg/kg	0.0500	0.0525	105	70 - 130	5824
2,2-Dichloropropane	mg/kg	0.0500	0.0505	101	70 - 130	5824
1,1-Dichloropropene	mg/kg	0.0500	0.0500	100	70 - 130	5824
cis-1,3-Dichloropropene	mg/kg	0.0500	0.0472	94	70 - 130	5824
trans-1,3-Dichloropropene	mg/kg	0.0500	0.0472	94	70 - 130	5824
Ethylbenzene	mg/kg	0.0500	0.0464	93	70 - 130	5824
Hexachlorobutadiene	mg/kg	0.0500	0.0450	90	70 - 130	5824
2-Hexanone	mg/kg	0.0500	0.0509	102	70 - 130	5824
Isopropylbenzene	mg/kg	0.0500	0.0452	90	70 - 130	5824
4-Isopropyltoluene	mg/kg	0.0500	0.0405	81	70 - 130	5824
4-Methyl-2-pentanone	mg/kg	0.0500	0.0561	112	70 - 130	5824
Methylene chloride	mg/kg	0.0500	0.0619	124	70 - 130	5824
Naphthalene	mg/kg	0.0500	0.0402	80	70 - 130	5824
n-Propylbenzene	mg/kg	0.0500	0.0415	83	70 - 130	5824
Styrene	mg/kg	0.0500	0.0428	86	70 - 130	5824
1,1,1,2-Tetrachloroethane	mg/kg	0.0500	0.0583	117	70 - 130	5824
1,1,2,2-Tetrachloroethane	mg/kg	0.0500	0.0606	121	70 - 130	5824
Tetrachloroethene	mg/kg	0.0500	0.0476	95	70 - 130	5824
Toluene	mg/kg	0.0500	0.0474	95	70 - 130	5824
1,2,3-Trichlorobenzene	mg/kg	0.0500	0.0384	77	70 - 130	5824
1,2,4-Trichlorobenzene	mg/kg	0.0500	0.0536	107	70 - 130	5824
1,1,1-Trichloroethane	mg/kg	0.0500	0.0580	116	70 - 130	5824
1,1,2-Trichloroethane	mg/kg	0.0500	0.0539	108	70 - 130	5824
Trichloroethene	mg/kg	0.0500	0.0491	98	70 - 130	5824
1,2,3-Trichloropropane	mg/kg	0.0500	0.0484	97	70 - 130	5824
1,2,4-Trimethylbenzene	mg/kg	0.0500	0.0379	76	70 - 130	5824
1,3,5-Trimethylbenzene	mg/kg	0.0500	0.0418	84	70 - 130	5824
Vinyl chloride	mg/kg	0.0500	0.0607	121	70 - 130	5824
Xylenes	mg/kg	0.1500	0.1340	89	70 - 130	5824
Bromodichloromethane	mg/kg	0.0500	0.0555	111	70 - 130	5824
Trichlorofluoromethane	mg/kg	0.0500	0.0616	123	70 - 130	5824

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Acenaphthene	< 0.330	mg/kg	7018
Acenaphthylene	< 0.330	mg/kg	7018
Anthracene	< 0.330	mg/kg	7018
Benzo(a)anthracene	< 0.330	mg/kg	7018
Benzo(a)pyrene	< 0.330	mg/kg	7018
Benzo(b)fluoranthene	< 0.330	mg/kg	7018
Benzo(g,h,i)perylene	< 0.330	mg/kg	7018
Benzo(k)fluoranthene	< 0.330	mg/kg	7018
4-Bromophenylphenylether	< 0.330	mg/kg	7018

COPY 1

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Butylbenzylphthalate	< 0.330	mg/kg	7018
Carbazole	< 0.330	mg/kg	7018
4-Chloro-3-methylphenol	< 0.330	mg/kg	7018
4-Chloroaniline	< 0.330	mg/kg	7018
bis(2-Chloroethoxy)methane	< 0.330	mg/kg	7018
bis(2-Chloroethyl)ether	< 0.330	mg/kg	7018
bis(2-Chloroisopropyl)ether	< 0.330	mg/kg	7018
2-Chloronaphthalene	< 0.330	mg/kg	7018
2-Chlorophenol	< 0.330	mg/kg	7018
4-Chlorophenylphenylether	< 0.330	mg/kg	7018
Chrysene	< 0.330	mg/kg	7018
Dibenzofuran	< 0.330	mg/kg	7018
Dibenz(a,h)anthracene	< 0.330	mg/kg	7018
1,2-Dichlorobenzene	< 0.330	mg/kg	7018
1,3-Dichlorobenzene	< 0.330	mg/kg	7018
1,4-Dichlorobenzene	< 0.330	mg/kg	7018
3,3'-Dichlorobenzidine	< 0.660	mg/kg	7018
2,4-Dichlorophenol	< 0.330	mg/kg	7018
Diethylphthalate	< 0.330	mg/kg	7018
2,4-Dimethylphenol	< 0.330	mg/kg	7018
Dimethylphthalate	< 0.330	mg/kg	7018
Di-n-butylphthalate	< 0.330	mg/kg	7018
4,6-Dinitro-2-methylphenol	< 0.825	mg/kg	7018
2,4-Dinitrophenol	< 0.825	mg/kg	7018
2,4-Dinitrotoluene	< 0.330	mg/kg	7018
2,6-Dinitrotoluene	< 0.330	mg/kg	7018
Di-n-octylphthalate	< 0.330	mg/kg	7018
Fluoranthene	< 0.330	mg/kg	7018
Fluorene	< 0.330	mg/kg	7018
Hexachlorobenzene	< 0.330	mg/kg	7018
Hexachlorobutadiene	< 0.330	mg/kg	7018
Hexachlorocyclopentadiene	< 0.330	mg/kg	7018
Hexachloroethane	< 0.330	mg/kg	7018
Indeno(1,2,3-cd)pyrene	< 0.330	mg/kg	7018
Isophorone	< 0.330	mg/kg	7018
2-Methylnaphthalene	< 0.330	mg/kg	7018
2-Methylphenol	< 0.330	mg/kg	7018
m,p-Methylphenol	< 0.330	mg/kg	7018
Naphthalene	< 0.330	mg/kg	7018
2-Nitroaniline	< 0.825	mg/kg	7018
3-Nitroaniline	< 0.825	mg/kg	7018
4-Nitroaniline	< 0.825	mg/kg	7018
Nitrobenzene	< 0.330	mg/kg	7018
2-Nitrophenol	< 0.330	mg/kg	7018
4-Nitrophenol	< 0.825	mg/kg	7018
N-nitrosodi-n-propylamine	< 0.330	mg/kg	7018

COPY 1

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
N-nitrosodiphenylamine	< 0.330	mg/kg	7018
Pentachlorophenol	< 0.825	mg/kg	7018
Phenanthrene	< 0.330	mg/kg	7018
Phenol	< 0.330	mg/kg	7018
Pyrene	< 0.330	mg/kg	7018
Bis(2-ethylhexyl)phthalate	< 0.330	mg/kg	7018
1,2,4-Trichlorobenzene	< 0.330	mg/kg	7018
2,4,5-Trichlorophenol	< 0.825	mg/kg	7018
2,4,6-Trichlorophenol	< 0.330	mg/kg	7018
Acetone	< 0.0100	mg/kg	5824
Benzene	< 0.0020	mg/kg	5824
Bromobenzene	< 0.0020	mg/kg	5824
Bromochloromethane	< 0.0020	mg/kg	5824
Bromoform	< 0.0020	mg/kg	5824
Bromomethane	< 0.0020	mg/kg	5824
2-Butanone	< 0.0100	mg/kg	5824
n-Butylbenzene	< 0.0020	mg/kg	5824
sec-Butylbenzene	< 0.0020	mg/kg	5824
t-Butylbenzene	< 0.0020	mg/kg	5824
Carbon disulfide	< 0.0020	mg/kg	5824
Carbon tetrachloride	< 0.0020	mg/kg	5824
Chlorobenzene	< 0.0020	mg/kg	5824
Chloroethane	< 0.0020	mg/kg	5824
2-Chloroethylvinylether	< 0.0020	mg/kg	5824
Chloroform	< 0.0020	mg/kg	5824
Chloromethane	< 0.0020	mg/kg	5824
2-Chlorotoluene	< 0.0020	mg/kg	5824
4-Chlorotoluene	< 0.0020	mg/kg	5824
1,2-Dibromo-3-chloropropane	< 0.0100	mg/kg	5824
Dibromochloromethane	< 0.0020	mg/kg	5824
1,2-Dibromoethane	< 0.0020	mg/kg	5824
Dibromomethane	< 0.0020	mg/kg	5824
1,2-Dichlorobenzene	< 0.0020	mg/kg	5824
1,3-Dichlorobenzene	< 0.0020	mg/kg	5824
1,4-Dichlorobenzene	< 0.0020	mg/kg	5824
Dichlorodifluoromethane	< 0.0020	mg/kg	5824
1,1-Dichloroethane	< 0.0020	mg/kg	5824
1,2-Dichloroethane	< 0.0020	mg/kg	5824
1,1-Dichloroethene	< 0.0020	mg/kg	5824
cis-1,2-Dichloroethene	< 0.0020	mg/kg	5824
trans-1,2-Dichloroethene	< 0.0020	mg/kg	5824
1,2-Dichloropropane	< 0.0020	mg/kg	5824
1,3-Dichloropropane	< 0.0020	mg/kg	5824
2,2-Dichloropropane	< 0.0020	mg/kg	5824
1,1-Dichloropropene	< 0.0020	mg/kg	5824
cis-1,3-Dichloropropene	< 0.0020	mg/kg	5824

COPY 1

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
trans-1,3-Dichloropropene	< 0.0020	mg/kg	5824
Ethylbenzene	< 0.0020	mg/kg	5824
Hexachlorobutadiene	< 0.0020	mg/kg	5824
2-Hexanone	< 0.0100	mg/kg	5824
Isopropylbenzene	< 0.0020	mg/kg	5824
4-Isopropyltoluene	< 0.0020	mg/kg	5824
4-Methyl-2-pentanone	< 0.0100	mg/kg	5824
Methylene chloride	< 0.0020	mg/kg	5824
Naphthalene	< 0.0020	mg/kg	5824
n-Propylbenzene	< 0.0020	mg/kg	5824
Styrene	< 0.0020	mg/kg	5824
1,1,1,2-Tetrachloroethane	< 0.0020	mg/kg	5824
1,1,2,2-Tetrachloroethane	< 0.0020	mg/kg	5824
Tetrachloroethene	< 0.0020	mg/kg	5824
Toluene	< 0.0020	mg/kg	5824
1,2,3-Trichlorobenzene	< 0.0020	mg/kg	5824
1,2,4-Trichlorobenzene	< 0.0020	mg/kg	5824
1,1,1-Trichloroethane	< 0.0020	mg/kg	5824
1,1,2-Trichloroethane	< 0.0020	mg/kg	5824
Trichloroethene	< 0.0020	mg/kg	5824
1,2,3-Trichloropropane	< 0.0020	mg/kg	5824
1,2,4-Trimethylbenzene	< 0.0020	mg/kg	5824
1,3,5-Trimethylbenzene	< 0.0020	mg/kg	5824
Vinyl chloride	< 0.0020	mg/kg	5824
Xylenes	< 0.0020	mg/kg	5824
Bromodichloromethane	< 0.0020	mg/kg	5824
Trichlorofluoromethane	< 0.0020	mg/kg	5824