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FINAL REPORT

SCREENING SITE INSPECTION, PHASE II
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA
EPA ID #: NCD003149556

FIELD INVESTIGATION TEAM ACTIVITIES AT UNCONTROLLED HAZARDOUS SUBSTANCES FACILITIES — ZONE I

NUS CORPORATION
SUPERFUND DIVISION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

MAR 6 1991

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SUPERFUND SECTION

4WD-WPB

Ms. Pat DeRosa, Head
North Carolina Department of Environment,
Health and Natural Resources
Division of Solid Waste Management
P. O. Box 27687
Raleigh, North Carolina 27611

Dear Ms. DeRosa:

Enclosed for your files is the Screening Site Inspection report prepared by the Region IV Field Investigation Team, NUS Corporation for **CTS of Asheville, Inc. (NCD3149556)**. No further remedial action under Superfund is planned for this site at this time.

If you have any questions, please contact me at (404) 347-5065.

Sincerely yours,

Deborah A. Vaughn-Wright

Deborah Vaughn-Wright
Project Manager

DATE REPORT ACCEPTED 2-25-91

DISPOSITION NFRAP

SAM SIGNATURE D. Vaughn-Wright

R-586-2-1-43

FINAL REPORT

SCREENING SITE INSPECTION, PHASE II
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA
EPA ID #: NCD003149556

Prepared Under
TDD No. F4-9004-52
CONTRACT NO. 68-01-7346

Revision 0

FOR THE

WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

FEBRUARY 22, 1991

NUS CORPORATION
SUPERFUND DIVISION

Prepared By	Reviewed By	Approved By
Stephany Fine	Bob Donaghue	Phil Blackwell
Project Manager	Assistant Regional Project Manager	Regional Project Manager

NOTICE

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EXECUTIVE SUMMARY

CTS of Asheville, Inc., which is located in Skyland, Buncombe County, North Carolina, operated as an electroplating facility from 1964 to 1987. Wastes included electroplating sludge and spent solvents. Prior to 1980, wastes that could not be reclaimed were discharged into the city sewer system. After 1980, wastes were stored in drums and tanks for offsite disposal.

Skyland is located in the Blue Ridge Physiographic Province of North Carolina. The geology of the area consists of thick regolith over folded and faulted igneous and metamorphic rock. The source of groundwater in the area is the surficial, unconfined, soil and crystalline rock aquifer system.

The groundwater pathway is potentially of concern because there are approximately 397 private wells located within 3 miles of the facility. The air pathway is potentially of concern because 3,887 people live within 1 mile of the facility. The surface water pathway is potentially of concern because it is used for swimming, fishing, and boating. The onsite exposure pathway is not of concern because a fence limits access to the facility.

Eighteen environmental samples were collected during the field investigation associated with this study. Several organic and inorganic substances were found in soil, sediment, and surface water samples at elevated levels. These included cadmium, magnesium, manganese, vanadium, beryllium, barium, nickel, zinc, 1,2-dichloroethene, trichloroethene, and vinyl chloride. Nickel and zinc were used in electroplating, and some of the solvents were used to degrease equipment.

Based on the analysis of possible migration pathways, the results of the sampling investigation, and the information obtained from the references, it is recommended that no further remedial action be planned for CTS of Asheville, Inc.

1.0 INTRODUCTION

The NUS Corporation Region 4 Field Investigation Team (FIT) was tasked by the U.S. Environmental Protection Agency (EPA), Waste Management Division to conduct a Screening Site Inspection (SSI) at the CTS of Asheville, Inc. site in Skyland, Buncombe County, North Carolina. The investigation was performed under the authority of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA). The task was performed to satisfy the requirements stated in Technical Directive Document (TDD) number F4-9004-52. The field investigation was conducted on June 25-26, 1990.

1.1 OBJECTIVES

The objectives of this inspection were to determine the nature of contaminants present at the site and to determine if a release of these substances has occurred or may occur. Further, this inspection sought to determine the possible pathways by which contamination could migrate from the site and the populations and environments it would potentially affect. Through these objectives, a recommendation was made regarding future activities at the site.

1.2 SCOPE OF WORK

The objectives were achieved through the completion of a number of specific tasks. These activities were to:

- Obtain and review background materials relevant to HRS scoring of site.
- Evaluate target populations associated with the groundwater, surface water, air, and onsite exposure pathways.
- Determine the location and distance to nearest potable well.
- Develop a site sketch.
- Collect environmental samples.

2.0 SITE CHARACTERIZATION

2.1 SITE BACKGROUND AND HISTORY

CTS of Asheville, Inc. operated as an electroplating facility from 1964 to 1987 (Refs. 1; 2; 3, p. 2). During this time, Arden Electroplating was contracted to do the electroplating work (Ref. 4). The facility electroplated electrical components with tin, nickel, zinc, and silver. Prior to 1980, wastes that could not be reclaimed were discharged into the city sewer system. After 1980, wastes were separated and stored in drums and tanks to be disposed of off site (Ref. 1). Electroplating sludge was disposed of by SCA of Pinewood, South Carolina. Solvents were disposed of by Environmental Recycling Company (Ref. 5). There has been no record of spills or onsite disposal of waste (Ref. 1). The facility was inactive until 1990, when Dove Energy Systems leased the property (Ref. 6). The property was owned at the time by Stan Greenburg and John Powell of Coldwell Banker - Gatewood Realty (Ref. 7). Dove Energy Systems is a manufacturer of corn burning stoves. The company was in the process of moving into the facility at the time of FIT's sampling investigation in June (Ref. 6).

CTS of Asheville, Inc. filed a RCRA Notification of Hazardous Waste Activity in July 1980 for generator status (Ref. 1). However, according to a report on CTS by Law Environmental, no RCRA permits have been issued to the facility (Ref. 3, p. 3). In July 1983, the North Carolina Solid and Hazardous Waste Management Branch conducted a RCRA compliance inspection of the facility. No problems were noted at that time (Ref. 5). The CTS facility has a permit (number 010) from the Metropolitan Sewage District to discharge plant effluent to the city's publicly owned treatment works and air permits (numbers 20120, 20113, 20112, and 20090) assigned from the Western Carolina Air Pollution Agency (Ref. 5). In 1986, CTS of Asheville was reclassified as a small-quantity generator under RCRA (Ref. 8). According to the March 1990, North Carolina Alphabetical List of Hazardous Waste facilities, Dove Energy Systems is not currently regulated under RCRA (Ref. 9).

In 1987, Law Environmental conducted a site assessment of CTS of Asheville, Inc. The assessment included the collection of samples from several areas of the facility (Ref. 3, p. 4). Trichloroethylene was detected in all of the soil samples (Ref. 3, p. 17). Tetrachloroethene, xylene, decane, and hexane were detected in electroplating areas inside the building (Ref. 3, p. 18).

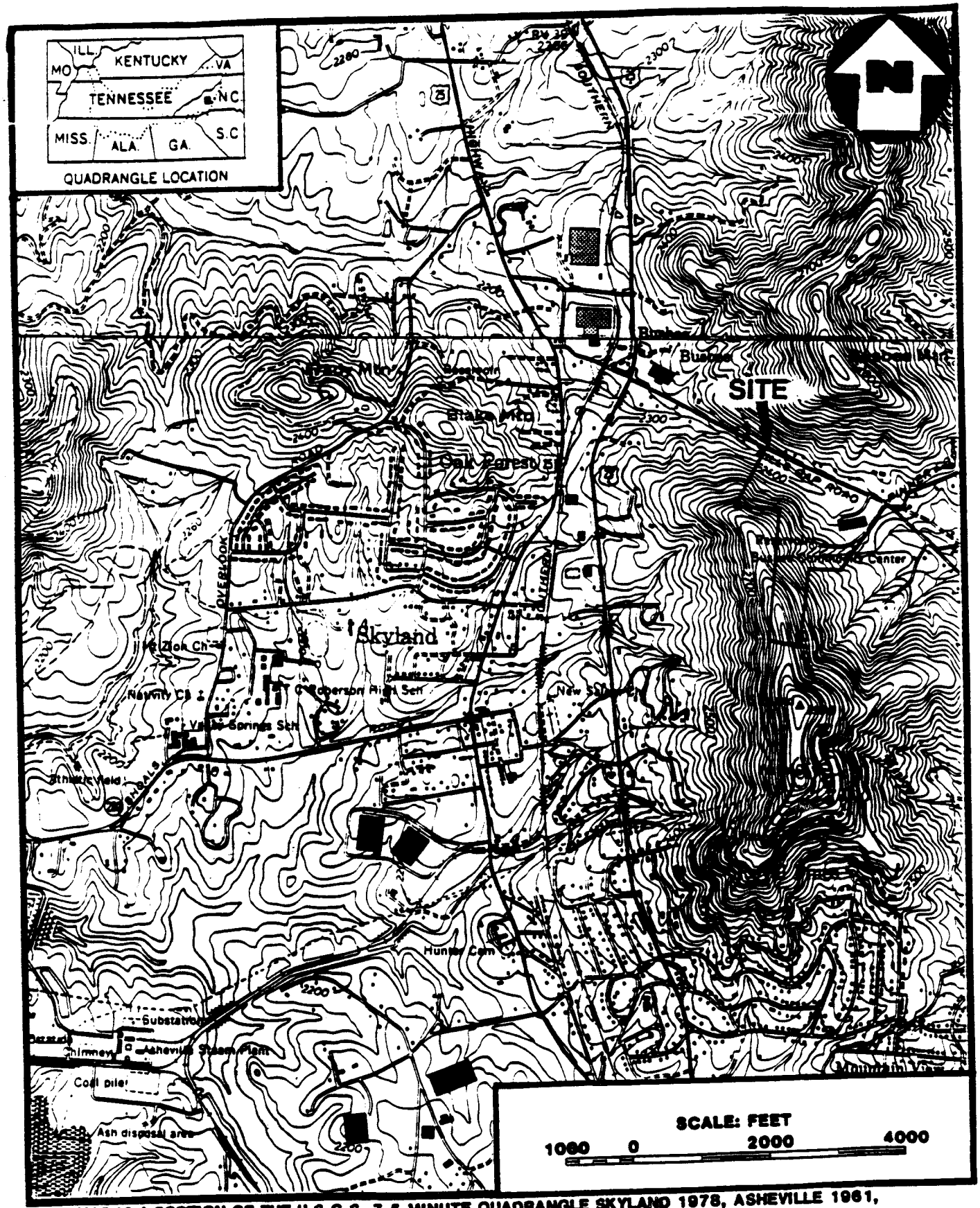
2.2 SITE DESCRIPTION

2.2.1 Site Features

The CTS of Asheville, Inc. facility is located on Mills Gap Road in Skyland, North Carolina. The site location is shown in Figure 1, and the site layout is shown in Figure 2. The facility is 57 acres in size and consists mainly of a one-story, brick building located near the road (Refs. 1, 2). The building contains an electroplating room, a main plant room, a warehouse, and a hazardous waste storage area. The electroplating room has drainage conduit that leads to a sump. There are several storage tanks located on the property. They contain acetone and trichloroethylene (Ref. 3, p. 2, 3, Figures 2, 3). A portion of the property surrounding the building is fenced, and there is a guard house located near the entrance. The unfenced portion of the property behind the facility is comprised of a large, wooded ridge (Ref. 2).

2.2.2 Waste Characteristics

Waste generated from electroplating processes included electroplating sludge and solvents (Ref. 1). The sludge was from electroplating with tin, nickel, zinc, and silver and may have contained these metals. The solvents included acetone and ethyl acetate which were used for resistant coatings. 1,1,1-Trichlorethane was used for degreasing equipment (Ref. 5). Sulfuric acid and sodium hydroxide were also used in the electroplating process (Ref. 3, p. 12).



BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE QUADRANGLE SKYLAND 1978, ASHEVILLE 1961, NORTH CAROLINA.

SITE LOCATION MAP
CTS OF ASHVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

FIGURE 1

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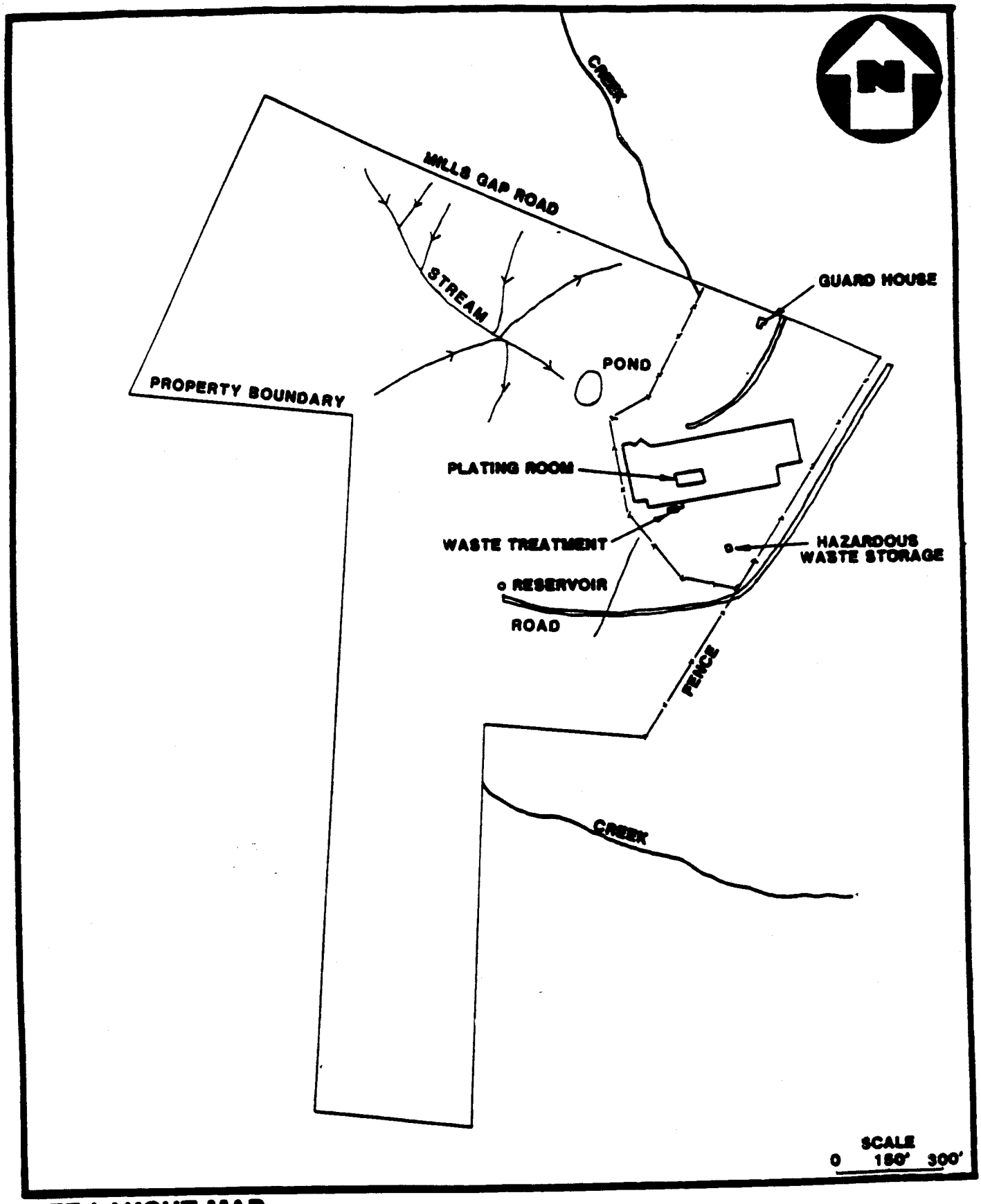

SITE LAYOUT MAP
CTS OF ASHVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

FIGURE 2

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3.0 REGIONAL POPULATIONS AND ENVIRONMENTS

3.1 POPULATION AND LAND USE

3.1.1 Demography

CTS of Asheville, Inc. is located in the small town of Skyland approximately 5 miles southeast of the city of Asheville in North Carolina. The land near the facility is residential with some commercial and industrial areas (Appendix A). The total population within 4 miles of the facility is 18,768. The distribution is 3,887 between 0 and 1 mile, 3,169 between 1 and 2 miles, 6,812 between 2 and 3 miles, and 4,900 between 3 and 4 miles (Ref. 10). The nearest residence is located 500 feet northeast of the facility. The nearest school is Valley Springs School which is located 10,000 feet to the southwest (Appendix A).

3.1.2 Land Use

Within 4 miles of the facility, the area is comprised of residential, commercial, industrial, and undeveloped property. The residential, commercial, and industrial property is mainly to the west and south. The undeveloped property is mainly to the northeast. There are several schools, churches, and parks in the area. The nearest church is Chapel Hill Church which is located 2,500 feet to the east. A portion of the Blue Ridge Parkway is located within 3 miles of the facility. The Busbee Community Center is located 750 feet to the southeast (Appendix A).

There are several endangered and threatened species found throughout Buncombe County (Ref. 11). However, there are apparently no sensitive environments located within 4 miles of the facility (Ref. 12).

3.2 SURFACE WATER

3.2.1 Climatology

CTS of Asheville, Inc. is located in southern Buncombe County (Appendix A). The normal annual precipitation for this area is 52.0 inches, and the mean annual lake evaporation is 35.0 inches. This results in a net annual precipitation of 17 inches. The average temperature ranges from 40°F in January to 75°F in July (Ref. 13, p. 1, 13, 43, 63). The 1-year, 24-hour rainfall is 3.0 inches (Ref. 14, p. 93).

3.2.2 Overland Drainage

Surface water run-off from the facility flows southeast 500 feet to an unnamed, perennial stream. This stream flows southeast 3,500 feet to Robinson Creek. Robinson Creek flows south 3.0 miles to Cane Creek. Cane Creek flows southwest 4.5 miles to the French Broad River. The French Broad River flows northwest 6.7 miles feet to the end of the surface water pathway (Appendix A). Surface water run-off also flows northwest 700 feet to Dingle Creek. Dingle Creek flows west 3.8 miles to the French Broad River. The French Broad River flows northwest 11.0 miles to complete the 15-mile, surface water pathway (Appendix A). Water that flows into storm drains near the facility is channeled to municipal sewer lines. The effluent from these lines is treated and discharged into the French Broad River (Ref. 15).

3.2.3 Potentially Affected Water Bodies

The French Broad River could potentially be affected by contaminants from the facility. Swimming, boating, and fishing occur on the river (Ref. 16). There are no surface water intakes located on the surface water pathway (Ref. 17).

3.3 GROUNDWATER

3.3.1 Hydrogeology

CTS of Asheville is located in the Blue Ridge Physiographic Province and groundwater region of western North Carolina (Refs. 18, plate 28; 19, p. 251). This region is characterized by thick regolith over folded and faulted igneous and metamorphic rocks (Ref. 19, p. 252). The topography of the area consists of rolling hills and high mountains with narrow stream valleys. Topographic relief near the facility ranges from 2,000 to 3,000 feet above mean sea level (Appendix A). The soil in the area is clay-rich from the weathering of the bedrock. Near rivers and streams, the soil becomes more sandy from the alluvium (Ref. 19, p. 252).

In the Skyland area, the bedrock consists mainly of biotite gneiss and garnet-muscovite schist alternating in northeast trending belts (Ref. 20, Figure 5). There are also smaller amounts of hornblende gneiss, granitic intrusives, pegmatites, and quartz veins (Ref. 20, p. 78). The source of groundwater in the area is the surficial, unconfined, soil and crystalline rock aquifer system. Water is contained in the pore spaces of weathered rock and soil and in the joints and fractures of the bedrock. Water levels are variable in this aquifer (Ref. 21, p. 8, 9). The depth to the water table

beneath the facility is approximately 50 feet below land surface (bls). The direction of groundwater flow is to the east (Appendix A). The regolith represents the layer with the lowest hydraulic conductivity, with typical values ranging between 1.0×10^{-7} and 1.0×10^{-5} cm/sec (Ref. 22, p. 29).

Wells in the area have an average depth of 154 feet bls (Ref. 23, p. 27). Many of these wells are for domestic use. Well yields vary with topography and location and range from less than 10 to several hundred gallons per minute (gpm) (Ref. 23, p. 2). The average yield for all wells in the area is 17.2 gpm. This average ranges from 9.7 gpm on ridges to 33.3 gpm in draws (Ref. 23, p. 27).

3.3.2 Aquifer Use

Most of the area within 3 miles of the facility is served by municipal water systems (Appendix A). The Asheville-Buncombe County Water System serves 57,500 connections. It receives water from two surface water intakes located at Beetree Reservoir and Northfork Reservoir. Both reservoirs are located northeast of the facility and are not on the surface water pathway (Ref. 2). The Hendersonville Water Department serves approximately 5,000 connections and receives water from surface water intakes located at Hendersonville Reservoir, Bradley Creek, and Yellow Gap Creek (Refs. 2, 16). The Biltmore Forest Water System serves 600 connections and receives water from the Asheville-Buncombe County Water Department (Ref. 24). Areas not served by these water systems receive water from private wells. Based on a topographic map house count, an estimated 397 private wells are within 3 miles of the facility, and 317 wells are between 3 and 4 miles of the facility. The nearest private well is located 4,000 feet to the northwest (Appendix A).

3.4 SUMMARY OF POTENTIALLY AFFECTED POPULATIONS AND ENVIRONMENTS

The groundwater pathway, the air pathway, and the surface water pathway are of concern for the CTS facility. The groundwater pathway is of concern because there are approximately 397 private wells within 3 miles of the facility. These wells are completed in the surficial, unconfined, soil and crystalline rock aquifer system. The air pathway is of concern because 3,887 people live within 1 mile of the facility. The surface water pathway is of concern because fishing, boating, and swimming occur on the French Broad River. The onsite exposure pathway is not of concern because access to the facility is limited by a fence and a wooded ridge.

4.0 FIELD INVESTIGATION

4.1 SAMPLE COLLECTION

4.1.1 Sample Collection Methodology

All sample collection, sample preservation, and chain-of-custody procedures used during this investigation were in accordance with the standard operating procedures as specified in Sections 3 and 4 of the Engineering Support Branch Standard Operating Procedures and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division, April 1, 1986.

4.1.2 Duplicate Samples

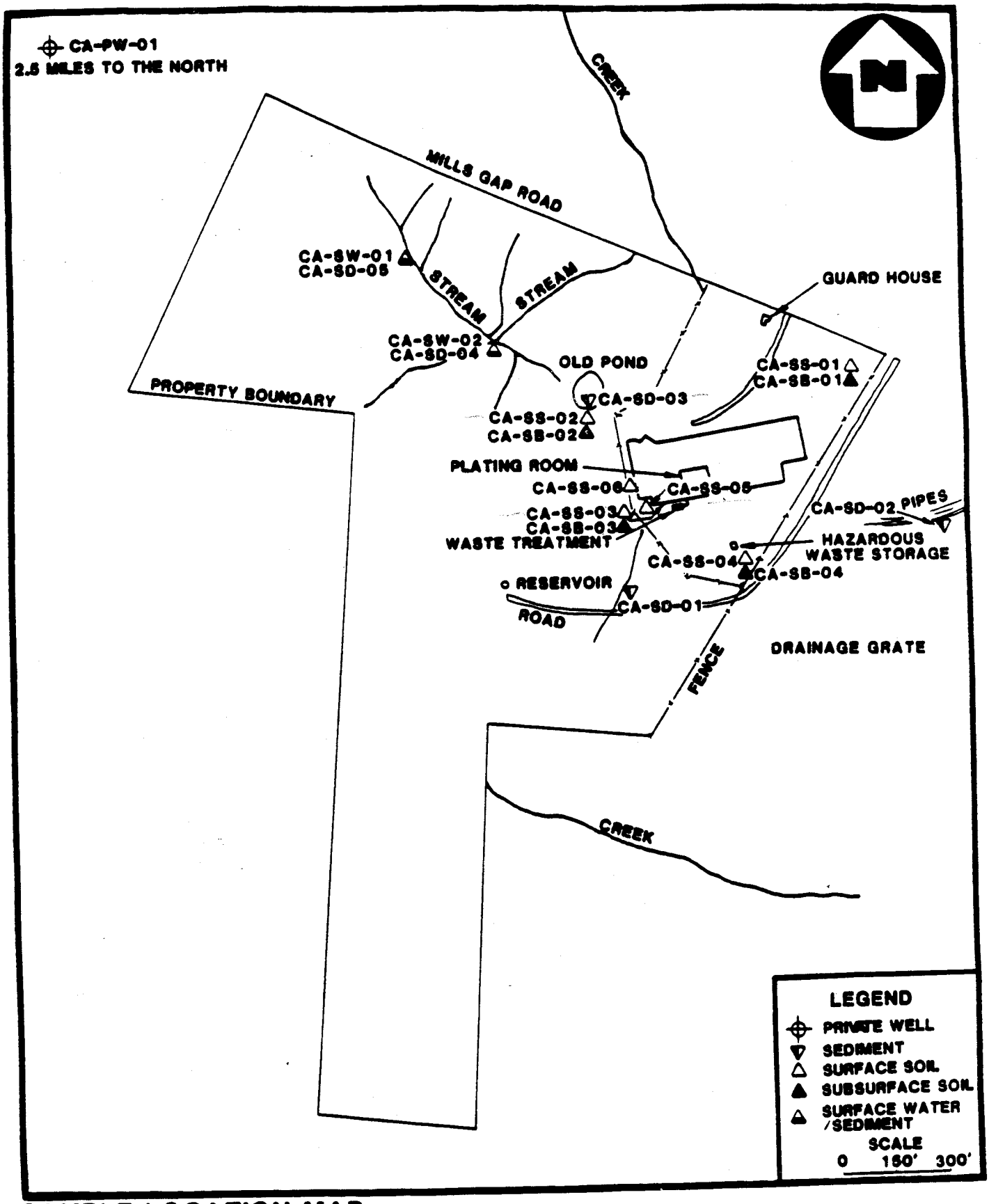
No duplicate samples were collected. Duplicates were offered to Stan Greenburg of CTS of Asheville, but he declined the samples.

4.1.3 Description of Samples and Sample Locations

Eighteen environmental samples were collected during the investigation. These consisted of six surface soil samples, four subsurface soil samples, five sediment samples, two surface water samples, and one private well sample. Samples were collected on June 25-26, 1990. Sample locations are shown in Figure 3, and sample codes, locations, descriptions, and rationale are give in Table 1. Surface soil, subsurface soil, sediment, and surface water samples (CA-SS-01, CA-SB-01, CA-SD-01, and CA-SW-01) were taken to establish background conditions. Additional samples were taken to determine the presence or absence of contaminants on site. The only private well sampled was the one nearest to the facility. It was sampled to establish the presence or absence of contaminants in the groundwater (Ref. 25).

4.1.4 Field Measurements

The pH, temperature, and conductivity were measured and recorded for each water sample at the time of collection. These measurements, along with the date and time for each water sample collected, are shown in Table 2.



SAMPLE LOCATION MAP
CTS OF ASHVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

FIGURE 3

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TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATION, AND RATIONALE
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

Sample Code	Description/Location	Rationale	Date (1990)	Time
CA-SS-01	A surface soil sample was collected upgradient of the facility at a depth of 0-2 feet.	Collected to establish background conditions.	6/25	1110
CA-SS-02	A surface soil sample was collected in the area of an old lagoon/pond located northwest of the building at a depth of 0-2 feet.	Collected to determine the extent of migration of contaminants from the old lagoon/pond area.	6/25	1225
CA-SS-03	A surface soil sample was collected near a waste treatment area south of the building at a depth of 0-2 feet.	Collected to determine migration of contaminants from the waste storage area.	6/25	1400
CA-SS-04	A surface soil sample was collected near a hazardous waste storage area on the south side of the property at a depth of 0-2 feet.	Collected to determine the extent of contamination in the hazardous waste storage area.	6/25	1500
CA-SS-05	A surface soil sample was collected in the waste treatment area south of the building at a depth of 0-2 feet.	Collected to determine the extent of contamination in the waste treatment area.	6/26	1000
CA-SS-06	A surface soil sample was collected on the west side of the facility at a depth of 0-2 feet beneath a spray nozzle where the soil was stained black.	Collected to determine the contamination of the stained soil.	6/26	1010

CA CTS of Asheville
SS Surface Soil
SB Subsurface Soil

SD Sediment
SW Surface Water
PW Private Well - Groundwater

TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATION, AND RATIONALE
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

Sample Code	Description/Location	Rationale	Date (1990)	Time
CA-SB-01	A subsurface soil sample was collected at a depth of 4 feet, upgradient of the facility.	Collected to establish background conditions.	6/25	1120
CA-SB-02	A subsurface soil sample was collected at a depth of 3.5 feet in the area of an old lagoon/pond.	Collected to determine the extent of migration of contaminants from the old lagoon/pond area.	6/25	1240
CA-SB-03	A subsurface soil sample was collected at a depth of 4 feet near a waste treatment area south of the building.	Collected to determine migration of contaminants from the waste treatment area.	6/25	1425
CA-SB-04	A subsurface soil sample was collected near a hazardous waste storage area on the south side of the property.	Collected to determine the extent of contamination in the hazardous waste storage area.	6/25	1505
CA-SD-01	A sediment sample was collected in a wet-weather, drainage area southwest of the fenced-in area at a depth of 0-2 feet.	Collected to establish background conditions.	6/25	1325
CA-SD-02	A sediment sample was collected from a small stream draining the east side of the property at a depth of 0-2 feet.	Collected to determine the extent of sediment contamination downgradient of the site.	6/26	0930

CA CTS of Asheville
SS Surface Soil
SB Subsurface Soil
SD Sediment
SW Surface Water
PW Private Well - Groundwater

TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATION, AND RATIONALE
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

Sample Code	Description/Location	Rationale	Date (1990)	Time
CA-SD-03	A sediment sample was collected at an old lagoon/pond area at a depth of 0-2 feet.	Collected to determine contamination of the old lagoon/pond area.	6/26	0900
CA-SD-04	A sediment sample collected at the intersection of two small streams northwest of the facility. It was taken upstream of SD-03 at a depth of 0-2 feet.	Collected to determine the migration of contamination to stream sediments.	6/26	0950
CA-SD-05	A sediment sample was collected upgradient at the confluence of several streams northwest of the facility at a depth of 0-2 feet.	Collected to determine the migration of contaminants from several streams.	6/26	1025
CA-SW-01	A surface water sample was collected upgradient at the confluence of several streams northwest of the facility.	Collected to establish background conditions.	6/26	1020
CA-SW-02	A surface water sample was collected at the intersection of two small streams northwest of the facility.	Collected to determine contamination to surface water.	6/26	0940
CA-PW-01	A private well sample was collected from the well of Laurie Boalos, 1 Forest Run, Asheville, N.C.	Collected to determine the extent of migration of contamination.	6/25	1220

CA CTS of Asheville
SS Surface Soil
SB Subsurface Soil

SD Sediment
SW Surface Water
PW Private Well - Groundwater

TABLE 2

FIELD MEASUREMENTS
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

Sample Code	Date	Time	pH	Temperature (°F)	Conductivity (umhos/cm)
CA-PW-01	6/25/90	1216	6.22	61.7	80
CA-SW-02	6/26/90	0940	6.30	67.0	350
CA-SW-01	6/26/90	1020	6.50	68.0	1250

CA CTS of Asheville, Inc.
PW Private Well - Groundwater
SW Surface Water

4.2 SAMPLE ANALYSIS

4.2.1 Analytical Support and Methodology

All samples collected were analyzed under the Contract Laboratory Program (CLP) and analyzed for all parameters listed in the Target Compound List (TCL). Organic analysis of soil and water samples was performed by National Environmental Test, Bartlett Division, in Bartlett, Illinois. Inorganic analysis of soil and water was performed by Southwest Laboratory of Oklahoma, Inc. in Broken Arrow, Oklahoma.

All laboratory analyses and laboratory quality assurance procedures used during this investigation were in accordance with standard procedures and protocols as specified in the Analytical Support Branch Operations and Quality Assurance Manual, United States Environmental Protection Agency, Region IV, Environmental Services Division, revised June 1, 1985; or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for the contract analytical laboratory program.

4.2.2 Analytical Data Quality

All analytical data were subjected to a quality assurance review as described in the EPA Environmental Services Division laboratory data evaluation guidelines. In the tables, some of the concentrations of the organic and inorganic parameters have been flagged with a "J". This indicates that the qualitative analysis was acceptable, but the quantitative value has been estimated. A few other compounds are flagged with an "N" indicating that they were detected based on the presumptive evidence of their presence. This means that the compound was tentatively identified, and its detection cannot be used as positive identification to its presence. The complete analytical data sheets are presented in Appendix B.

4.2.3 Presentation of Analytical Results

The following sections present a discussion of the analytical results from the environmental samples collected during the investigation at the CTS of Asheville, Inc. facility. The results of the soil sampling are summarized in Tables 3 and 4. The results of sediment sampling are presented in Tables 5 and 6. The results of the surface water and groundwater sampling are presented in Tables 7 and 8. Any sample results for a particular parameter greater than three times the background level for that

TABLE 3

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
CTS OF ASHEVILLE, INC
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

	Surface Soils						Subsurface Soils			
	Background	On Site					Background	On Site		
PARAMETERS (mg/kg)	CA-SS-01	CA-SS-02	CA-SS-03	CA-SS-04	CA-SS-05	CA-SS-06	CA-SB-01	CA-SB-02	CA-SB-03	CA-SB-04
ALUMINUM	6900J	31000J	42000J	7300J	25000J	29000J	20000J	34000J	43000J	22000J
ANTIMONY	8U	-	-	17	-	-	-	-	-	-
ARSENIC	2U	2.8	-	-	-	-	-	-	-	-
BARIUM	93	100	260	77	220	190	49	110	290	170
BERYLLIUM	1U	1.6	4.5	-	2.6	2.3	1U	3.2	4.2	-
CADMIUM	0.65U	-	1.9	-	3.6	2.6	-	-	-	-
CALCIUM	3000	-	-	-	-	-	-	-	-	-
CHROMIUM	54	40	44	14	36	42	29	54	46	38
COBALT	3.4	-	-	10	-	-	-	-	-	-
COPPER	20U	35	-	-	-	-	20U	41	-	-
IRON	10000	40000	47000	16000	42000	45000	32000	55000	44000	50000
LEAD	500	24	22	11	28	50	16	22	15	31
MAGNESIUM	2100	4400	10000	2200	7300	8200	880	5800	9800	7600
MANGANESE	250	440	1100	210	460	850	110	880	1000	880
NICKEL	7.9	-	-	6.2	-	-	-	-	-	-

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
U Material was analyzed for but not detected. The number given is the MQL.

TABLE 3

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
CTS OF ASHEVILLE, INC
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

	Surface Soils						Subsurface Soils			
	Background	On Site					Background	On Site		
PARAMETERS (mg/kg)	CA-SS-01	CA-SS-02	CA-SS-03	CA-SS-04	CA-SS-05	CA-SS-06	CA-SB-01	CA-SB-02	CA-SB-03	CA-SB-04
POTASSIUM	1700	2900	11000	3100	8200	9600	670	4400	11000	11000
SILVER	2U	4.9	100	5.5	750	45	3U	3.6	17	4.9
VANADIUM	16	52	59	18	55	60	47	65	57	58
ZINC	83	103	180	32	200	160	24	81	150	110

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
U Material was analyzed for but not detected. The number given is the MQL.

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Surface Soils						Subsurface Soils			
	Background	On Site					Background	On Site		
	CA-SS-01	CA-SS-02	CA-SS-03	CA-SS-04	CA-SS-05	CA-SS-06	CA-SB-01	CA-SB-02	CA-SB-03	CA-SB-04
PURGEABLE COMPOUNDS										
CARBON DISULFIDE	5U	33	-	-	-	-	-	-	-	-
UNIDENTIFIED COMPOUNDS/NO. (1)	40J/2	-	30J/1	90J/3	40J/1	200J/2	20J/1	200J/2	200J/3	200J/2
DIOXANE (1)		40JN								
DICHLOROETHYLETHER (1)		10JN								
EXTRACTABLE COMPOUNDS										
ACENAPHTHENE	120J	-	-	-	-	-	-	-	-	-
DIBENZOFURAN	100J	-	-	-	-	-	-	-	-	-
FLUORENE	86J	-	-	-	-	-	-	-	-	-
PHENANTHRENE	1200	-	-	-	-	-	-	-	-	-
FLUORANTHENE	1100	-	-	-	-	-	-	-	-	-
PYRENE	710J	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	260J	-	-	-	-	-	-	-	-	-

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
N Presumptive evidence of presence of material.
U Material was analyzed for but not detected. The number given is the MQL.
(1) Tentatively identified compound (TIC). This compound not on CLP Target Compound List (TCL) and is reported only as detected in individual samples; MQL not determined.

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

	Surface Soils						Subsurface Soils			
	Background	On Site					Background	On Site		
PARAMETERS (ug/kg)	CA-SS-01	CA-SS-02	CA-SS-03	CA-SS-04	CA-SS-05	CA-SS-06	CA-SB-01	CA-SB-02	CA-SB-03	CA-SB-04
CHRYSENE	440J	-	-	-	-	-	-	-	-	-
BENZO(B AND/OR K)FLUORANTHENE	280J	-	-	-	-	-	-	-	-	-
BENZO-A-PYRENE	180J	-	-	-	-	-	-	-	-	-
INDENO (1,2,3-CD) PYRENE	160J	-	-	-	-	-	-	-	-	-
BENZO(GHI)PERYLENE	140J	-	-	-	-	-	-	-	-	-
BENZOPYRENE (NOT A)	400JN	-	-	-	-	-	-	-	-	-
UNIDENTIFIED COMPOUNDS/NO	5000J/4	-	2000J/1	-	800J/1	20000J/10	-	-	-	-
PETROLEUM PRODUCT (1)						N				
HYDROXYNAPHTHALENEDIONE (1)	900JN									
CYCLOBUTANEDIYLBISBENZENE (1)	200JN									
ETHYLMETHYLBENZENE (1)					2000JN					
TRIMETHYLBENZENE (1)					1000JN					
METHYLPROPYLBENZENE (1)					1000JN					

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
N Presumptive evidence of presence of material.
U Material was analyzed for but not detected. The number given is the MQL.
(1) Tentatively identified compound (TIC). This compound not on CLP Target Compound List (TCL) and is reported only as detected in individual samples; MQL not determined.

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Surface Soils						Subsurface Soils			
	Background	On Site					Background	On Site		
	CA-SS-01	CA-SS-02	CA-SS-03	CA-SS-04	CA-SS-05	CA-SS-06	CA-SB-01	CA-SB-02	CA-SB-03	CA-SB-04
ETHYLDIMETHYLBENZENE (1)					1000JN					
TETRAMETHYLBENZENE (1)					1000JN					
DIETHYLBENZENE (1)					400JN					
PHTHALIC ANHYDRIDE (1)					500JN					
METHYLBENZENESULFONAMIDE (1)					400JN					

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
N Presumptive evidence of presence of material.
U Material was analyzed for but not detected. The number given is the MQL.
(1) Tentatively identified compound (TIC). This compound not on CLP Target Compound List (TCL) and is reported only as detected in individual samples; MQL not determined.

TABLE 5

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
CTS OF ASHEVILLE, INC.
SKYLAND,BUNCOMBE COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background	On Site			
	CA-SD-01	CA-SD-02	CA-SD-03	CA-SD-04	CA-SD-05
ALUMINUM	17,000J	12,000J	13,000J	13,000J	11,000J
ARSENIC	11	-	-	-	-
BARIUM	120	74	94	51	96
BERYLLIUM	1.9	-	-	-	-
CADMIUM	1U	-	3.1	-	-
CALCIUM	750U	-	1100	-	3400
CHROMIUM	40	20	82	48	25
COBALT	12	2.8	-	5.9	9.9
COPPER	30U	-	930	-	-
IRON	35,000	7000	42,000	21,000	23,000
LEAD	21	13	59	13	30
MAGNESIUM	3300	1200	3900	2000	4600
MANGANESE	690	30	300	160	410
NICKEL	16	9.5	64	47	13
POTASSIUM	2500	640	3700	1400	3000
SILVER	3U	-	400	14	-
VANADIUM	29	25	32	27	30
ZINC	94	29	1200	250	92

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
U Material was analyzed for but not detected. The number given is the MQL.

TABLE 6

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background	On Site			
	CA-SD-01	CA-SD-02	CA-SD-03	CA-SD-04	CA-SD-05
PURGEABLE COMPOUNDS					
VINYL CHLORIDE	29U	-	-	84	-
1,1-DICHLOROETHANE	14U	31	-	-	-
1,2-DICHLOROETHENE (TOTAL)	14U	1100	-	29	-
BENZENE	14U	19	-	-	-
ETHYL BENZENE	14U	13	-	-	-
TOTAL XYLENES	14U	40	-	-	-
UNIDENTIFIED COMPOUNDS/NO.	80J/2	20J/1	-	-	-
DIMETHYLMETHYLENEBICYCLOHEPTANE (1)		40JN			
PHELLANDRENE (1)		10JN			
CARENE (1)		30JN			
EXTRACTABLE COMPOUNDS					
ACENAPHTHENE	1000	-	-	-	-
DIBENZOFURAN	480J	-	-	-	-
FLUORENE	930	-	-	-	-
PHENANTHRENE	5400	-	-	-	600J
ANTHRACENE	900	-	-	-	150J
FLUORANTHENE	5700	-	-	-	840J
PYRENE	4300	-	-	-	550J
BENZO(A)ANTHRACENE	2000	-	-	-	320J
CHRYSENE	2500	-	-	-	410J
BENZO(B AND/OR K)FLUORANTHENE	1600	-	-	-	250J
BENZO-A-PYRENE	1600	-	-	-	260J
INDENO (1,2,3-CD) PYRENE	1400	-	-	-	-
DIBENZO(A,H)ANTHRACENE	180J	-	-	-	-
BENZO(GHI)PERYLENE	1300	-	-	-	150J
DIBENZOTHIOPHENE (1)	400JN				

- \- Material analyzed for but not detected above minimum quantitation limit (MQL).
- J Estimated value.
- N Presumptive evidence of presence of material.
- U Material analyzed for but not detected. The number given is the MQL.
- (1) Tentatively identified compound. This compound not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

TABLE 6

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background	On Site			
	CA-SD-01	CA-SD-02	CA-SD-03	CA-SD-04	CA-SD-05
CARBAZOLE (1)	600JN				
METHYLANTHRACENE (1)	400JN				
METHYLPHENANTHRACENE(1)	500JN				
CYCLOPENTAPHENANTHRENE (1)	900JN				
ANTHRACENDIONE (1)	1000JN				
BENZOFLUORENE (1)	900JN				
BENZOFLUORANTHENE (NOT B OR K) (1)	600JN				
BENZOPYRENE (NOT A) (1)	2000JN				
UNIDENTIFIED COMPOUNDS/NO. (1)	800J/1		20,000J/7	3000J/3	8000J/4
TETRAHYDROHEXAHYDROXYINDENEDIONE (1)			1000JN		
OCTAHYDROHEXMETHYLINDENE (1)			500JN		
PETROLEUM PRODUCT (1)			N	N	N

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
N Presumptive evidence of presence of material.
U Material analyzed for but not detected. The number given is the MQL.
(1) Tentatively identified compound. This compound not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

TABLE 7

SUMMARY OF INORGANIC ANALYTICAL RESULTS
WATER SAMPLES
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CAROLINA

PARAMETERS (ug/l)	Surface Water Background CA-SW-01	Surface Water On Site CA-SW-02	Groundwater Off Site CA-PW-01	State Potable Groundwater Standard (A)
IRON	910	2300	990	300
LEAD	2U	-	9	50
MAGNESIUM	5600	1400	1500	*
MANGANESE	100	310	-	50
POTASSIUM	1600	1000	1900	*
SODIUM	7900	-	-	*

- Material analyzed for but not detected above minimum quantitation limit (MQL).
(A) North Carolina Administrative Code Title 15A, Subchapter 2L, Section .0202, 1989.
* No standard established.
U Material analyzed for but not detected. The number given is the MQL.

TABLE 8

SUMMARY OF ORGANIC ANALYTICAL RESULTS
WATER SAMPLES
CTS OF ASHEVILLE, INC.
SKYLAND, BUNCOMBE COUNTY, NORTH CROLINA

PARAMETERS (ug/kg)	Background CA-SW-01	On Site CA-SW-02	Off Site CA-PW-01
PURGEABLE COMPOUNDS			
VINYL CHLORIDE	10U	47	-
ACETONE	10U	1600J	-
1,2-DICHLOROETHENE (TOTAL)	5U	330	-
TRICHLOROETHENE	5U	50	-
BISDIMETHYLETHYLMETHYLPHENOL (1)	4JN		10JN
TRIDECANE (1)	20JN		5JN
DODECANE (1)	9JN		5JN
UNDECANE (1)	5JN		
TETRAMETHYLHEPTADECANE (1)	10JN		

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
N Presumptive evidence of presence of material.
U Material was analyzed for but not detected. The number given is the MQL.
(1) Tentatively identified compound. This compound not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

parameter, or greater than three times the minimum quantitation limit (MQL), are considered to be elevated.

4.2.3.1 Soil Samples

Six surface soil samples were collected and analyzed. Inorganic analytical results are presented in Table 3. The sample collected from the waste treatment area south of the main building (CA-SS-05) contained elevated concentrations of cadmium, iron, magnesium, manganese, potassium, silver, and vanadium, ranging from 3.4 to 375 times the concentrations in the background sample. The sample collected near the waste treatment area (CA-SS-03) contained elevated concentrations of beryllium, iron, magnesium, manganese, potassium, silver, and vanadium, ranging from 3.7 to 50 times background concentrations. The sample collected west of the main building (CA-SS-06) contained elevated concentrations of cadmium, iron, magnesium, manganese, potassium, silver, and vanadium, ranging from 3.4 to 23 times the background concentrations. The background sample (CA-SS-01) revealed the highest concentration of lead of all the surface soil samples collected. The sample collected northwest of the main building (CA-SS-02) contained significant concentrations of iron (4.0 times the background concentration) and vanadium (3.3 times the background concentration). These elevated concentrations of inorganic contaminants may be attributed to waste-handling practices at the facility.

Four subsurface soil samples were collected and analyzed. Inorganic analytical results are presented in Table 3. The sample collected near the waste treatment area south of the main building (CA-SB-03) contained elevated concentrations of barium, beryllium, magnesium, manganese, potassium, silver, and zinc, ranging from 4.2 to 16 times the concentration in the background sample. The sample collected near the hazardous waste storage area south of the main building (CA-SB-04) contained elevated concentrations of barium, magnesium, manganese, potassium, and zinc, ranging from 3.5 to 16 times the background concentrations. The sample collected northwest of the main building (CA-SB-02) contained elevated concentrations of beryllium, magnesium, manganese, potassium, and zinc, ranging from 3.2 to 8.0 times background concentrations. These elevated concentrations may be attributed to waste-handling practices at the facility.

The organic analytical results are presented in Table 4. Several unidentified organic compounds were detected in surface and subsurface soil samples at the CTS facility. The background surface soil sample (CA-SS-01) contained several polyaromatic hydrocarbon compounds (PAHs). The sample collected northwest of the main building (CA-SS-02) contained carbon disulfide in concentrations 66 times the minimum quantitation limit. The source and relationship of these compounds to the facility is undetermined.

4.2.3.2 Sediment Samples

Five sediment samples were collected and analyzed. Inorganic analytical results are presented in Table 5. The sample collected from an old lagoon/pond area (CA-SD-03) contained elevated concentrations of cadmium, copper, nickel, silver, and zinc, ranging from 3.1 to 133 times the concentrations in the background sample. These elevated concentrations may be attributed to waste-handling practices at the facility because copper, nickel, silver, and zinc were used in electroplating. The sediment sample collected at the confluence of two streams (CA-SD-04) contained a silver concentration of silver 4.7 times the minimum quantitation limit.

Organic analytical results are presented in Table 6. Several PAH compounds were detected in the background sediment sample (CA-SD-01) and the sediment sample located at the confluence of several streams (CA-SD-05). These PAH compounds are not attributable to known waste-handling practices at the facility. However, their presence could make an impact on the flora and fauna in the drainage ditch and surface water drainage pathway. The sediment sample collected from a small stream east of the main building (CA-SD-02) contained 1,2-dichloroethene at a concentration of 79 times the background concentration (Table 6). 1,2-Dichloroethene is a degradation product of tetrachloroethene and trichloroethene, and the presence of this compound in the sediment sample may be attributed to waste-handling practices at the facility (Ref. 26).

4.2.3.2 Surface and Groundwater Samples

The analytical results for inorganic contaminants detected in surface water and groundwater samples are presented in Table 7. The organic analytical results are presented in Table 8. Two surface water samples and one groundwater sample were collected and analyzed. The surface water sample collected at the confluence of two small streams northwest of the fenced area (CA-SW-02) contained a manganese concentration of 3.1 times the background concentration (Table 7). The elevated concentration may be attributed to waste-handling practices at the facility. The sample also contained significant concentrations of acetone, vinyl chloride, 1,2-dichloroethene, and trichloroethene, ranging from 4.7 to 66 times the background concentrations (Table 8). Vinyl chloride and 1,2-dichloroethene are degradation products of trichloroethene and (Ref. 26). The elevated levels of these compounds may be attributed to waste-handling practices at the facility. The groundwater sample collected from the private well located 2.5 miles north of the facility (CA-PW-01) contained an iron concentration of 3.3 times the North Carolina state standard for potable groundwater (Table 7) (Ref. 27). The elevated concentration is not related to waste-handling practices at the facility. No significant concentrations of organic compounds were detected (Table 8).

5.0 SUMMARY

The results of the investigation at CTS of Asheville, Inc., revealed the presence of contaminants consistent with electroplating operations at the facility. Contaminants found in onsite surface soil, subsurface soil, sediment, and surface water samples were in excess of minimum quantitation limits or background conditions. High levels of nickel, cadmium, iron, magnesium, manganese, potassium, silver, vanadium, beryllium, barium, copper, and zinc were found. Copper, nickel, silver, and zinc were used in electroplating processes at CTS. The highest concentrations of these metals were found in CA-SD-03 which was collected in an old lagoon/pond area. High levels of 1,2-dichlorethene, trichloroethene, vinyl chloride, PAHs, and several unidentified organic compounds were also found. 1,2-Dichloroethene and vinyl chloride are degradation products of trichloroethene, which is used as a solvent. These compounds were all found in CA-SW-02 which was collected at the intersection of two streams on the northwest portion of the facility. The surface water pathway is of concern because it is used for fishing, boating, and swimming, and high concentrations of contaminants were found in sediment and surface water samples. The groundwater sample from the private well contained a high level of iron which was not attributed to plant operations at the facility. The groundwater pathway is of concern, however, because there are approximately 397 private wells within 3 miles of the facility. The air pathway is of concern because 3,887 people live within 1 mile of the facility, and high concentrations of metals and organic compounds were found in surface soil samples. The onsite exposure pathway is not of concern because access to the facility is limited by a fence. Based on this evaluation, it is recommended that no further remedial action be planned for CTS of Asheville, Inc.

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App A

ASHEVILLE, N.C.
35082-E5-TF-024
1961
DMA 4455 II SE-SERIES V842

OTEEN, N.C.
N3530—W8222.5/7.5
1962
AMS 4555 III SW-SERIES V842

CTS OF ASHEVILLE

1-MILE

2-MILE

3-MILE

4-MILE

LEGEND

ASHEVILLE - BUNCOMBE COUNTY

HENDERSONVILLE

BILTMORE FOREST

SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 20 FEET
DASHED LINES REPRESENT HALF-INTERVAL CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

SKYLAND, N.C.
35082-D5-TF-024
1965
PHOTOREVISED 1978
DMA 4454 I NE-SERIES V842

FRUITLAND, N.C.
N3522.5—W8222.5/7.5
1965
PHOTOREVISED 1978
AMS 4554 IV NW-SERIES V842

App B

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48002 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS01 COLLECTION START: 06/25/90 1110 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: W127 MD NO: W127

ANALYTICAL RESULTS UG/KG

40J 2 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48002 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS01

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1110 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: W127

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
200U	METHYLENE CHLORIDE
11U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
10U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
10	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48002 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS01

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1110 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: W127

UG/KG	ANALYTICAL RESULTS
740U	PHENOL
740U	BIS(2-CHLOROETHYL) ETHER
740U	2-CHLOROPHENOL
740U	1,3-DICHLOROBENZENE
740U	1,4-DICHLOROBENZENE
740U	BENZYL ALCOHOL
740U	1,2-DICHLOROBENZENE
740U	2-METHYLPHENOL
740U	BIS(2-CHLOROISOPROPYL) ETHER
740U	(3-AND/OR 4-)METHYLPHENOL
740U	N-NITROSODI-N-PROPYLAMINE
740UR	HEXACHLOROETHANE
740U	NITROBENZENE
740U	ISOPHORONE
740U	2-NITROPHENOL
740U	2,4-DIMETHYLPHENOL
3600U	BENZOIC ACID
740U	BIS(2-CHLOROETHOXY) METHANE
740U	2,4-DICHLOROPHENOL
740U	1,2,4-TRICHLOROBENZENE
740U	NAPHTHALENE
740U	4-CHLOROANILINE
740U	HEXACHLOROBUTADIENE
740U	4-CHLORO-3-METHYLPHENOL
740U	2-METHYLNAPHTHALENE
740U	HEXACHLOROCYCLOPENTADIENE (HCCP)
740U	2,4,6-TRICHLOROPHENOL
3600U	2,4,5-TRICHLOROPHENOL
740U	2-CHLORONAPHTHALENE
3600U	2-NITROANILINE
740UR	DIMETHYL PHTHALATE
740U	ACENAPHTHYLENE
740U	2,6-DINITROTOLUENE
3600U	3-NITROANILINE
120J	ACENAPHTHENE
3600UR	2,4-DINITROPHENOL
3600U	4-NITROPHENOL
100J	DIBENZOFURAN
740U	2,4-DINITROTOLUENE
740U	DIETHYL PHTHALATE
740U	4-CHLOROPHENYL PHENYL ETHER
86J	FLUORENE
3600U	4-NITROANILINE
3600U	2-METHYL-4,6-DINITROPHENOL
740U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
740U	4-BROMOPHENYL PHENYL ETHER
740U	HEXACHLOROBENZENE (HCB)
3600U	PENTACHLOROPHENOL
1200	PHENANTHRENE
740U	ANTHRACENE
740U	DI-N-BUTYLPHTHALATE
1100	FLUORANTHENE
710J	PYRENE
740U	BENZYL BUTYL PHTHALATE
1500U	3,3'-DICHLOROBENZIDINE
260J	BENZO(A)ANTHRACENE
440J	CHRYSENE
740U	BIS(2-ETHYLHEXYL) PHTHALATE
740U	DI-N-OCTYLPHTHALATE
280J	BENZO(B AND/OR K)FLUORANTHENE
180J	BENZO-A-PYRENE
160J	INDENO (1,2,3-CD) PYRENE
740U	DIBENZO(A,H)ANTHRACENE
140J	BENZO(GHI)PERYLENE
10	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48002 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS01 COLLECTION START: 06/25/90 1110 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: W127 MD NO: W127

ANALYTICAL RESULTS UG/KG

900JN	HYDROXYNAPHTHALENEDIONE
200JN	CYCLOBUTANEDIYLBISBENZENE
5000J	4 UNIDENTIFIED COMPOUNDS
400JN	BENZOPYRENE (NOT A)

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48002 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS01
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1110 STOP: 00/00/00
D NUMBER: W127

UG/KG	ANALYTICAL RESULTS
18UR	ALPHA-BHC
18U	BETA-BHC
18U	DELTA-BHC
18U	GAMMA-BHC (LINDANE)
18U	HEPTACHLOR
18U	ALDRIN
18U	HEPTACHLOR EPOXIDE
18U	ENDOSULFAN I (ALPHA)
35U	DIELDRIN
35U	4,4'-DDE (P,P'-DDE)
35U	ENDRIN
35UR	ENDOSULFAN II (BETA)
35U	4,4'-DDD (P,P'-DDD)
35U	ENDOSULFAN SULFATE
35U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
180U	METHOXYCHLOR
35U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
180U	GAMMA-CHLORDANE /2
180U	ALPHA-CHLORDANE /2
350U	TOXAPHENE
180U	PCB-1016 (AROCLOR 1016)
180U	PCB-1221 (AROCLOR 1221)
180U	PCB-1232 (AROCLOR 1232)
180U	PCB-1242 (AROCLOR 1242)
180U	PCB-1248 (AROCLOR 1248)
350U	PCB-1254 (AROCLOR 1254)
350U	PCB-1260 (AROCLOR 1260)
10	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*C-CONFIRMED BY GCMS
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48005 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS02

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1225 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: W130

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
30U	METHYLENE CHLORIDE
60U	ACETONE
33	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
13	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48005 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS02 COLLECTION START: 06/25/90 1225 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: W130 MD NO: W130

ANALYTICAL RESULTS UG/KG

4OJN	DIOXANE
1OJN	DICHLOROETHYLETHER

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48005 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS02

CASE NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1225 STOP: 00/00/00

D. NO.: W130

UG/KG	ANALYTICAL RESULTS
760U	PHENOL
760U	BIS(2-CHLOROETHYL) ETHER
760U	2-CHLOROPHENOL
760U	1,3-DICHLOROBENZENE
760U	1,4-DICHLOROBENZENE
760U	BENZYL ALCOHOL
760U	1,2-DICHLOROBENZENE
760U	2-METHYLPHENOL
760U	BIS(2-CHLOROISOPROPYL) ETHER
760U	(3-AND/OR 4-)METHYLPHENOL
760U	N-NITROSODI-N-PROPYLAMINE
760UR	HEXACHLOROETHANE
760U	NITROBENZENE
760U	ISOPHORONE
760U	2-NITROPHENOL
760U	2,4-DIMETHYLPHENOL
3700U	BENZOIC ACID
760U	BIS(2-CHLOROETHOXY) METHANE
760U	2,4-DICHLOROPHENOL
760U	1,2,4-TRICHLOROBENZENE
760U	NAPHTHALENE
760U	4-CHLOROANILINE
760U	HEXACHLOROBUTADIENE
760U	4-CHLORO-3-METHYLPHENOL
760U	2-METHYLNAPHTHALENE
760U	HEXACHLOROCYCLOPENTADIENE (HCCP)
760U	2,4,6-TRICHLOROPHENOL
3700U	2,4,5-TRICHLOROPHENOL
760U	2-CHLORONAPHTHALENE
3700U	2-NITROANILINE
760UR	DIMETHYL PHTHALATE
760U	ACENAPHTHYLENE
760U	2,6-DINITROTOLUENE
3700U	3-NITROANILINE
760U	ACENAPHTHENE
3700UR	2,4-DINITROPHENOL
3700U	4-NITROPHENOL
760U	DIBENZOFURAN
760U	2,4-DINITROTOLUENE
760U	DIETHYL PHTHALATE
760U	4-CHLOROPHENYL PHENYL ETHER
760U	FLUORENE
3700U	4-NITROANILINE
3700U	2-METHYL-4,6-DINITROPHENOL
760U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
760U	4-BROMOPHENYL PHENYL ETHER
760U	HEXACHLOROBENZENE (HCB)
3700U	PENTACHLOROPHENOL
760U	PHENANTHRENE
760U	ANTHRACENE
760U	DI-N-BUTYLPHTHALATE
760U	FLUORANTHENE
760U	PYRENE
760U	BENZYL BUTYL PHTHALATE
1500U	3,3'-DICHLOROBENZIDINE
760U	BENZO(A)ANTHRACENE
760U	CHRYSENE
760U	BIS(2-ETHYLHEXYL) PHTHALATE
760U	DI-N-OCTYLPHTHALATE
760U	BENZO(B AND/OR K)FLUORANTHENE
760U	BENZO-A-PYRENE
760U	INDENO (1,2,3-CD) PYRENE
760U	DIBENZO(A,H)ANTHRACENE
760U	BENZO(GHI)PERYLENE
13	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48005 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS02
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1225 STOP: 00/00/00
D NUMBER: W130

UG/KG	ANALYTICAL RESULTS
18UR	ALPHA-BHC
18U	BETA-BHC
18U	DELTA-BHC
18U	GAMMA-BHC (LINDANE)
18U	HEPTACHLOR
18U	ALDRIN
18U	HEPTACHLOR EPOXIDE
18U	ENDOSULFAN I (ALPHA)
37U	DIELDRIN
37U	4,4'-DDE (P,P'-DDE)
37U	ENDRIN
37UR	ENDOSULFAN II (BETA)
37U	4,4'-DDD (P,P'-DDD)
37U	ENDOSULFAN SULFATE
37U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
180U	METHOXYCHLOR
37U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
180U	GAMMA-CHLORDANE /2
180U	ALPHA-CHLORDANE /2
370U	TOXAPHENE
180U	PCB-1016 (AROCLOR 1016)
180U	PCB-1221 (AROCLOR 1221)
180U	PCB-1232 (AROCLOR 1232)
180U	PCB-1242 (AROCLOR 1242)
180U	PCB-1248 (AROCLOR 1248)
370U	PCB-1254 (AROCLOR 1254)
370U	PCB-1260 (AROCLOR 1260)
13	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48008 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS03

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1400 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X183

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
200U	METHYLENE CHLORIDE
11U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
9	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48008 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS03 COLLECTION START: 06/25/90 1400 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X183 MD NO: X183

ANALYTICAL RESULTS UG/KG

30J 1 UNIDENTIFIED COMPOUND

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48008 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS03

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1400 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X183

UG/KG	ANALYTICAL RESULTS
740U	PHENOL
740U	BIS(2-CHLOROETHYL) ETHER
740U	2-CHLOROPHENOL
740U	1,3-DICHLOROBENZENE
740U	1,4-DICHLOROBENZENE
740U	BENZYL ALCOHOL
740U	1,2-DICHLOROBENZENE
740U	2-METHYLPHENOL
740U	BIS(2-CHLOROISOPROPYL) ETHER
740U	(3-AND/OR 4-)METHYLPHENOL
740U	N-NITROSODI-N-PROPYLAMINE
740UR	HEXACHLOROETHANE
740U	NITROBENZENE
740U	ISOPHORONE
740U	2-NITROPHENOL
740U	2,4-DIMETHYLPHENOL
3600U	BENZOIC ACID
740U	BIS(2-CHLOROETHOXY) METHANE
740U	2,4-DICHLOROPHENOL
740U	1,2,4-TRICHLOROBENZENE
740U	NAPHTHALENE
740U	4-CHLOROANILINE
740U	HEXACHLOROBUTADIENE
740U	4-CHLORO-3-METHYLPHENOL
740U	2-METHYLNAPHTHALENE
740U	HEXACHLOROCYCLOPENTADIENE (HCCP)
740U	2,4,6-TRICHLOROPHENOL
3600U	2,4,5-TRICHLOROPHENOL
740U	2-CHLORONAPHTHALENE
3600U	2-NITROANILINE
740UR	DIMETHYL PHTHALATE
740U	ACENAPHTHYLENE
740U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3600U	3-NITROANILINE
740U	ACENAPHTHENE
3600UR	2,4-DINITROPHENOL
3600U	4-NITROPHENOL
740U	DIBENZOFURAN
740U	2,4-DINITROTOLUENE
740U	DIETHYL PHTHALATE
740U	4-CHLOROPHENYL PHENYL ETHER
740U	FLUORENE
3600U	4-NITROANILINE
3600U	2-METHYL-4,6-DINITROPHENOL
740U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
740U	4-BROMOPHENYL PHENYL ETHER
740U	HEXACHLOROBENZENE (HCB)
3600U	PENTACHLOROPHENOL
740U	PHENANTHRENE
740U	ANTHRACENE
740U	DI-N-BUTYLPHTHALATE
740U	FLUORANTHENE
740U	PYRENE
740U	BENZYL BUTYL PHTHALATE
1500U	3,3'-DICHLOROBENZIDINE
740U	BENZO(A)ANTHRACENE
740U	CHRYSENE
740U	BIS(2-ETHYLHEXYL) PHTHALATE
740U	DI-N-OCTYLPHTHALATE
740U	BENZO(B AND/OR K)FLUORANTHENE
740U	BENZO-A-PYRENE
740U	INDENO (1,2,3-CD) PYRENE
740U	DIBENZO(A,H)ANTHRACENE
740U	BENZO(GHI)PERYLENE
9	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48008 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS03
CASE NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1400 STOP: 00/00/00
D. NO.: X183 MD NO: X183

ANALYTICAL RESULTS UG/KG

2000J 1 UNIDENTIFIED COMPOUND

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48008 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS03
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1400 STOP: 00/00/00
D NUMBER: X183

UG/KG	ANALYTICAL RESULTS
18UR	ALPHA-BHC
18U	BETA-BHC
18U	DELTA-BHC
18U	GAMMA-BHC (LINDANE)
18U	HEPTACHLOR
18U	ALDRIN
18U	HEPTACHLOR EPOXIDE
18U	ENDOSULFAN I (ALPHA)
35U	DIELDRIN
35U	4,4'-DDE (P,P'-DDE)
35U	ENDRIN
35UR	ENDOSULFAN II (BETA)
35U	4,4'-DDD (P,P'-DDD)
35U	ENDOSULFAN SULFATE
35U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
180U	METHOXYCHLOR
35U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
180U	GAMMA-CHLORDANE /2
180U	ALPHA-CHLORDANE /2
350U	TOXAPHENE
180U	PCB-1016 (AROCLOR 1016)
180U	PCB-1221 (AROCLOR 1221)
180U	PCB-1232 (AROCLOR 1232)
180U	PCB-1242 (AROCLOR 1242)
180U	PCB-1248 (AROCLOR 1248)
350U	PCB-1254 (AROCLOR 1254)
350U	PCB-1260 (AROCLOR 1260)
9	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48010 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS04

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1500 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X185

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
30U	METHYLENE CHLORIDE
11U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
10	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539	SAMPLE NO. 48010 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC		CITY: SHYLAND ST: NC
STATION ID: SS04		COLLECTION START: 06/25/90 1500 STOP: 00/00/00
CASE.NO.: 14388	SAS NO.:	D. NO.: X185 MD NO: X185

ANALYTICAL RESULTS UG/KG

90J 3 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48010 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS04

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1500 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X185

UG/KG	ANALYTICAL RESULTS
740U	PHENOL
740U	BIS(2-CHLOROETHYL) ETHER
740U	2-CHLOROPHENOL
740U	1,3-DICHLOROBENZENE
740U	1,4-DICHLOROBENZENE
740U	BENZYL ALCOHOL
740U	1,2-DICHLOROBENZENE
740U	2-METHYLPHENOL
740U	BIS(2-CHLOROISOPROPYL) ETHER
740U	(3-AND/OR 4-)METHYLPHENOL
740U	N-NITROSODI-N-PROPYLAMINE
740UR	HEXACHLOROETHANE
740U	NITROBENZENE
740U	ISOPHORONE
740U	2-NITROPHENOL
740U	2,4-DIMETHYLPHENOL
3600UR	BENZOIC ACID
740U	BIS(2-CHLOROETHOXY) METHANE
740U	2,4-DICHLOROPHENOL
740U	1,2,4-TRICHLOROBENZENE
740U	NAPHTHALENE
740U	4-CHLOROANILINE
740U	HEXACHLOROBUTADIENE
740U	4-CHLORO-3-METHYLPHENOL
740U	2-METHYLNAPHTHALENE
740U	HEXACHLOROCYCLOPENTADIENE (HCCP)
740U	2,4,6-TRICHLOROPHENOL
3600U	2,4,5-TRICHLOROPHENOL
740U	2-CHLORONAPHTHALENE
3600U	2-NITROANILINE
740UR	DIMETHYL PHTHALATE
740U	ACENAPHTHYLENE
740U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3600U	3-NITROANILINE
740U	ACENAPHTHENE
3600UR	2,4-DINITROPHENOL
3600U	4-NITROPHENOL
740U	DIBENZOFURAN
740U	2,4-DINITROTOLUENE
740U	DIETHYL PHTHALATE
740U	4-CHLOROPHENYL PHENYL ETHER
740U	FLUORENE
3600U	4-NITROANILINE
3600U	2-METHYL-4,6-DINITROPHENOL
740U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
740U	4-BROMOPHENYL PHENYL ETHER
740U	HEXACHLOROBENZENE (HCB)
3600U	PENTACHLOROPHENOL
740U	PHENANTHRENE
740U	ANTHRACENE
740U	DI-N-BUTYLPHTHALATE
740U	FLUORANTHENE
740U	PYRENE
740U	BENZYL BUTYL PHTHALATE
1500U	3,3'-DICHLOROBENZIDINE
740U	BENZO(A)ANTHRACENE
740U	CHRYSENE
740U	BIS(2-ETHYLHEXYL) PHTHALATE
740U	DI-N-OCTYLPHTHALATE
740U	BENZO(B AND/OR K)FLUORANTHENE
740U	BENZO-A-PYRENE
740U	INDENO (1,2,3-CD) PYRENE
740U	DIBENZO(A,H)ANTHRACENE
740U	BENZO(GHI)PERYLENE
10	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48010 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS04
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1500 STOP: 00/00/00
D. NUMBER: X185

UG/KG	ANALYTICAL RESULTS		UG/KG	ANALYTICAL RESULTS
18UR	ALPHA-BHC		180U	METHOXYCHLOR
18U	BETA-BHC		36U	ENDRIN KETONE
18U	DELTA-BHC	--		CHLORDANE (TECH. MIXTURE) /1
18U	GAMMA-BHC (LINDANE)		180U	GAMMA-CHLORDANE /2
18U	HEPTACHLOR		180U	ALPHA-CHLORDANE /2
18U	ALDRIN		360U	TOXAPHENE
18U	HEPTACHLOR EPOXIDE		180U	PCB-1016 (AROCLOR 1016)
18U	ENDOSULFAN I (ALPHA)		180U	PCB-1221 (AROCLOR 1221)
36U	DIELDRIN		180U	PCB-1232 (AROCLOR 1232)
36U	4,4'-DDE (P,P'-DDE)		180U	PCB-1242 (AROCLOR 1242)
36U	ENDRIN		180U	PCB-1248 (AROCLOR 1248)
36UR	ENDOSULFAN II (BETA)		360U	PCB-1254 (AROCLOR 1254)
36U	4,4'-DDD (P,P'-DDD)		360U	PCB-1260 (AROCLOR 1260)
36U	ENDOSULFAN SULFATE		10	PERCENT MOISTURE
36U	4,4'-DDT (P,P'-DDT)			

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48016 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS05

CASE NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 1000 STOP: 00/00/00

D. NO.: X191

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
300U	METHYLENE CHLORIDE
12U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2--DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
19	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539	SAMPLE NO. 48016	SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC			CITY: SHYLAND ST: NC
STATION ID: SS05			COLLECTION START: 06/26/90 1000 STOP: 00/00/00
CASE NO.: 14388	SAS NO.:		D. NO.: X191 MD NO: X191

ANALYTICAL RESULTS UG/KG

40J 1 UNIDENTIFIED COMPOUND

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48016 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS05 COLLECTION START: 06/26/90 1000 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X191

UG/KG	ANALYTICAL RESULTS
820U	PHENOL
820U	BIS(2-CHLOROETHYL) ETHER
820U	2-CHLOROPHENOL
820U	1,3-DICHLOROBENZENE
820U	1,4-DICHLOROBENZENE
820U	BENZYL ALCOHOL
820U	1,2-DICHLOROBENZENE
820U	2-METHYLPHENOL
820U	BIS(2-CHLOROISOPROPYL) ETHER
820U	(3-AND/OR 4-)METHYLPHENOL
820U	N-NITROSODI-N-PROPYLAMINE
820UR	HEXACHLOROETHANE
820U	NITROBENZENE
820U	ISOPHORONE
820U	2-NITROPHENOL
820U	2,4-DIMETHYLPHENOL
4000UJ	BENZOIC ACID
820U	BIS(2-CHLOROETHOXY) METHANE
820U	2,4-DICHLOROPHENOL
820U	1,2,4-TRICHLOROBENZENE
820U	NAPHTHALENE
820U	4-CHLOROANILINE
820U	HEXACHLOROBUTADIENE
820U	4-CHLORO-3-METHYLPHENOL
820U	2-METHYLNAPHTHALENE
820U	HEXACHLOROCYCLOPENTADIENE (HCCP)
820U	2,4,6-TRICHLOROPHENOL
4000U	2,4,5-TRICHLOROPHENOL
820U	2-CHLORONAPHTHALENE
4000U	2-NITROANILINE
820UR	DIMETHYL PHTHALATE
820U	ACENAPHTHYLENE
820U	2,6-DINITROTOLUENE
4000U	3-NITROANILINE
820U	ACENAPHTHENE
4000UR	2,4-DINITROPHENOL
4000U	4-NITROPHENOL
820U	DIBENZOFURAN
820U	2,4-DINITROTOLUENE
820U	DIETHYL PHTHALATE
820U	4-CHLOROPHENYL PHENYL ETHER
820U	FLUORENE
4000U	4-NITROANILINE
4000U	2-METHYL-4,6-DINITROPHENOL
820U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
820U	4-BROMOPHENYL PHENYL ETHER
820U	HEXACHLOROBENZENE (HCB)
4000U	PENTACHLOROPHENOL
820U	PHENANTHRENE
820U	ANTHRACENE
820U	DI-N-BUTYLPHTHALATE
820U	FLUORANTHENE
820U	PYRENE
820U	BENZYL BUTYL PHTHALATE
1600U	3,3'-DICHLOROBENZIDINE
820U	BENZO(A)ANTHRACENE
820U	CHRYSENE
2000U	BIS(2-ETHYLHEXYL) PHTHALATE
820U	DI-N-OCTYLPHTHALATE
820U	BENZO(B AND/OR K)FLUORANTHENE
820U	BENZO-A-PYRENE
820U	INDENO (1,2,3-CD) PYRENE
820U	DIBENZO(A,H)ANTHRACENE
820U	BENZO(GHI)PERYLENE
19	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48016 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS05 COLLECTION START: 06/26/90 1000 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X191 MD NO: X191

ANALYTICAL RESULTS UG/KG

800J	1 UNIDENTIFIED COMPOUNDS
2000JN	ETHYLMETHYLBENZENE (3 ISOMERS)
1000JN	TRIMETHYLBENZENE
1000JN	METHYLPROPYLBENZENE (2 ISOMERS)
1000JN	ETHYLDIMETHYLBENZENE (3 ISOMERS)
1000JN	TETRAMETHYLBENZENE (2 ISOMERS)
400JN	DIETHYLBENZENE
500JN	PHTHALIC ANHYDRIDE
400JN	METHYLBENZENESULFONAMIDE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48016 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS05
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 1000 STOP: 00/00/00
D. NUMBER: X191

UG/KG	ANALYTICAL RESULTS
20UR	ALPHA-BHC
20U	BETA-BHC
20U	DELTA-BHC
20U	GAMMA-BHC (LINDANE)
20U	HEPTACHLOR
20U	ALDRIN
20U	HEPTACHLOR EPOXIDE
20U	ENDOSULFAN I (ALPHA)
39U	DIELDRIN
39U	4,4'-DDE (P,P'-DDE)
39U	ENDRIN
39UR	ENDOSULFAN II (BETA)
39U	4,4'-DDD (P,P'-DDD)
39U	ENDOSULFAN SULFATE
39U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
200U	METHOXYCHLOR
39U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
200U	GAMMA-CHLORDANE /2
200U	ALPHA-CHLORDANE /2
390U	TOXAPHENE
200U	PCB-1016 (AROCLOR 1016)
200U	PCB-1221 (AROCLOR 1221)
200U	PCB-1232 (AROCLOR 1232)
200U	PCB-1242 (AROCLOR 1242)
200U	PCB-1248 (AROCLOR 1248)
390U	PCB-1254 (AROCLOR 1254)
390U	PCB-1260 (AROCLOR 1260)
19	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48017 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS06 COLLECTION START: 06/26/90 1010 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X192

UG/KG	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
200U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
12	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48017 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS06 COLLECTION START: 06/26/90 1010 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X192 MD NO: X192

ANALYTICAL RESULTS UG/KG

200J 2 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48017 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS06

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 1010 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X192

UG/KG	ANALYTICAL RESULTS
750U	PHENOL
750U	BIS(2-CHLOROETHYL) ETHER
750U	2-CHLOROPHENOL
750U	1,3-DICHLOROBENZENE
750U	1,4-DICHLOROBENZENE
750U	BENZYL ALCOHOL
750U	1,2-DICHLOROBENZENE
750U	2-METHYLPHENOL
750U	BIS(2-CHLOROISOPROPYL) ETHER
750U	(3-AND/OR 4-)METHYLPHENOL
750U	N-NITROSODI-N-PROPYLAMINE
750UR	HEXACHLOROETHANE
750U	NITROBENZENE
750U	ISOPHORONE
750U	2-NITROPHENOL
750U	2,4-DIMETHYLPHENOL
3700UR	BENZOIC ACID
750U	BIS(2-CHLOROETHOXY) METHANE
750U	2,4-DICHLOROPHENOL
750U	1,2,4-TRICHLOROBENZENE
750U	NAPHTHALENE
750U	4-CHLOROANILINE
750U	HEXACHLOROBUTADIENE
750U	4-CHLORO-3-METHYLPHENOL
750U	2-METHYLNAPHTHALENE
750U	HEXACHLOROCYCLOPENTADIENE (HCCP)
750U	2,4,6-TRICHLOROPHENOL
3700U	2,4,5-TRICHLOROPHENOL
750U	2-CHLORONAPHTHALENE
3700U	2-NITROANILINE
750UR	DIMETHYL PHTHALATE
750U	ACENAPHTHYLENE
750U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3700U	3-NITROANILINE
750U	ACENAPHTHENE
3700UR	2,4-DINITROPHENOL
3700U	4-NITROPHENOL
750U	DIBENZOFURAN
750U	2,4-DINITROTOLUENE
750U	DIETHYL PHTHALATE
750U	4-CHLOROPHENYL PHENYL ETHER
750U	FLUORENE
3700U	4-NITROANILINE
3700U	2-METHYL-4,6-DINITROPHENOL
750U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
750U	4-BROMOPHENYL PHENYL ETHER
750U	HEXACHLOROBENZENE (HCB)
3700U	PENTACHLOROPHENOL
750U	PHENANTHRENE
750U	ANTHRACENE
750U	DI-N-BUTYLPHTHALATE
750U	FLUORANTHENE
750U	PYRENE
750U	BENZYL BUTYL PHTHALATE
1500U	3,3'-DICHLOROBENZIDINE
750U	BENZO(A)ANTHRACENE
750U	CHRYSENE
750U	BIS(2-ETHYLHEXYL) PHTHALATE
750U	DI-N-OCTYLPHTHALATE
750U	BENZO(B AND/OR K)FLUORANTHENE
750U	BENZO-A-PYRENE
750U	INDENO (1,2,3-CD) PYRENE
750U	DIBENZO(A,H)ANTHRACENE
750U	BENZO(GHI)PERYLENE
12	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48017 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS06 COLLECTION START: 06/26/90 1010 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X192 MD NO: X192

ANALYTICAL RESULTS UG/KG

20000J		10 UNIDENTIFIED COMPOUNDS
	N	PETROLEUM PRODUCT

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48017 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS06
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 1010 STOP: 00/00/00
D. NUMBER: X192

UG/KG	ANALYTICAL RESULTS
18UR	ALPHA-BHC
18U	BETA-BHC
18U	DELTA-BHC
18U	GAMMA-BHC (LINDANE)
18U	HEPTACHLOR
18U	ALDRIN
18U	HEPTACHLOR EPOXIDE
18U	ENDOSULFAN I (ALPHA)
36U	DIELDRIN
36U	4,4'-DDE (P,P'-DDE)
36U	ENDRIN
36UR	ENDOSULFAN II (BETA)
36U	4,4'-DDD (P,P'-DDD)
36U	ENDOSULFAN SULFATE
36U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
180U	METHOXYCHLOR
36U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
180U	GAMMA-CHLORDANE /2
180U	ALPHA-CHLORDANE /2
360U	TOXAPHENE
180U	PCB-1016 (AROCLOR 1016)
180U	PCB-1221 (AROCLOR 1221)
180U	PCB-1232 (AROCLOR 1232)
180U	PCB-1242 (AROCLOR 1242)
180U	PCB-1248 (AROCLOR 1248)
360U	PCB-1254 (AROCLOR 1254)
360U	PCB-1260 (AROCLOR 1260)
12	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*C-CONFIRMED BY GCMS
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48003 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB01

CASE NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1120 STOP: 00/00/00

D. NO.: W128

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
200U	METHYLENE CHLORIDE
12U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
200U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
21	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48003 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB01 COLLECTION START: 06/25/90 1120 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: W128 MD NO: W128

ANALYTICAL RESULTS UG/KG

20J	1	UNIDENTIFIEDD COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48003 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB01
PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1120 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: W128

UG/KG	ANALYTICAL RESULTS
840U	PHENOL
840U	BIS(2-CHLOROETHYL) ETHER
840U	2-CHLOROPHENOL
840U	1,3-DICHLOROBENZENE
840U	1,4-DICHLOROBENZENE
840U	BENZYL ALCOHOL
840U	1,2-DICHLOROBENZENE
840U	2-METHYLPHENOL
840U	BIS(2-CHLOROISOPROPYL) ETHER
840U	(3-AND/OR 4-)METHYLPHENOL
840U	N-NITROSODI-N-PROPYLAMINE
840UR	HEXACHLOROETHANE
840U	NITROBENZENE
840U	ISOPHORONE
840U	2-NITROPHENOL
840U	2,4-DIMETHYLPHENOL
4100U	BENZOIC ACID
840U	BIS(2-CHLOROETHOXY) METHANE
840U	2,4-DICHLOROPHENOL
840U	1,2,4-TRICHLOROBENZENE
840U	NAPHTHALENE
840U	4-CHLOROANILINE
840U	HEXACHLOROBUTADIENE
840U	4-CHLORO-3-METHYLPHENOL
840U	2-METHYLNAPHTHALENE
840U	HEXACHLOROCYCLOPENTADIENE (HCCP)
840U	2,4,6-TRICHLOROPHENOL
4100U	2,4,5-TRICHLOROPHENOL
840U	2-CHLORONAPHTHALENE
4100U	2-NITROANILINE
840UR	DIMETHYL PHTHALATE
840U	ACENAPHTHYLENE
840U	2,6-DINITROTOLUENE
4100U	3-NITROANILINE
840U	ACENAPHTHENE
4100UR	2,4-DINITROPHENOL
4100U	4-NITROPHENOL
840U	DIBENZOFURAN
840U	2,4-DINITROTOLUENE
840U	DIETHYL PHTHALATE
840U	4-CHLOROPHENYL PHENYL ETHER
840U	FLUORENE
4100U	4-NITROANILINE
4100U	2-METHYL-4,6-DINITROPHENOL
840U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
840U	4-BROMOPHENYL PHENYL ETHER
840U	HEXACHLOROBENZENE (HCB)
4100U	PENTACHLOROPHENOL
840U	PHENANTHRENE
840U	ANTHRACENE
840U	DI-N-BUTYLPHTHALATE
840U	FLUORANTHENE
840U	PYRENE
840U	BENZYL BUTYL PHTHALATE
1700U	3,3'-DICHLOROBENZIDINE
840U	BENZO(A)ANTHRACENE
840U	CHRYSENE
840U	BIS(2-ETHYLHEXYL) PHTHALATE
840U	DI-N-OCTYLPHTHALATE
840U	BENZO(B AND/OR K)FLUORANTHENE
840U	BENZO-A-PYRENE
840U	INDENO (1,2,3-CD) PYRENE
840U	DIBENZO(A,H)ANTHRACENE
840U	BENZO(GHI)PERYLENE
21	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48003 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB01
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1120 STOP: 00/00/00
D. NUMBER: W128

UG/KG	ANALYTICAL RESULTS
20UR	ALPHA-BHC
20U	BETA-BHC
20U	DELTA-BHC
20U	GAMMA-BHC (LINDANE)
20U	HEPTACHLOR
20U	ALDRIN
20U	HEPTACHLOR EPOXIDE
20U	ENDOSULFAN I (ALPHA)
40U	DIELDRIN
40U	4,4'-DDE (P,P'-DDE)
40U	ENDRIN
40UR	ENDOSULFAN II (BETA)
40U	4,4'-DDD (P,P'-DDD)
40U	ENDOSULFAN SULFATE
40U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
200U	METHOXYCHLOR
40U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
200U	GAMMA-CHLORDANE /2
200U	ALPHA-CHLORDANE /2
400U	TOXAPHENE
200U	PCB-1016 (AROCLOR 1016)
200U	PCB-1221 (AROCLOR 1221)
200U	PCB-1232 (AROCLOR 1232)
200U	PCB-1242 (AROCLOR 1242)
200U	PCB-1248 (AROCLOR 1248)
400U	PCB-1254 (AROCLOR 1254)
400U	PCB-1260 (AROCLOR 1260)
21	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48006 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB02

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1240 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X181

UG/KG	ANALYTICAL RESULTS
29U	CHLOROMETHANE
29U	BROMOMETHANE
29U	VINYL CHLORIDE
29U	CHLOROETHANE
200U	METHYLENE CHLORIDE
29U	ACETONE
14U	CARBON DISULFIDE
14U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
14U	1,1-DICHLOROETHANE
14U	1,2-DICHLOROETHENE (TOTAL)
14U	CHLOROFORM
14U	1,2-DICHLOROETHANE
29U	METHYL ETHYL KETONE
14U	1,1,1-TRICHLOROETHANE
14U	CARBON TETRACHLORIDE
29U	VINYL ACETATE
14U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
14U	1,2-DICHLOROPROPANE
14U	CIS-1,3-DICHLOROPROPENE
14U	TRICHLOROETHENE(TRICHLOROETHYLENE)
14U	DIBROMOCHLOROMETHANE
14U	1,1,2-TRICHLOROETHANE
14U	BENZENE
14U	TRANS-1,3-DICHLOROPROPENE
14U	BROMOFORM
29U	METHYL ISOBUTYL KETONE
29U	METHYL BUTYL KETONE
14U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
14U	1,1,2,2-TETRACHLOROETHANE
14U	TOLUENE
14U	CHLOROBENZENE
14U	ETHYL BENZENE
14U	STYRENE
14U	TOTAL XYLENES
18	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48006 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB02 COLLECTION START: 06/25/90 1240 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X181 MD NO: X181

ANALYTICAL RESULTS UG/KG

200J 2 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48006 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB02 COLLECTION START: 06/25/90 1240 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X181

UG/KG	ANALYTICAL RESULTS
810U	PHENOL
810U	BIS(2-CHLOROETHYL) ETHER
810U	2-CHLOROPHENOL
810U	1,3-DICHLOROBENZENE
810U	1,4-DICHLOROBENZENE
810U	BENZYL ALCOHOL
810U	1,2-DICHLOROBENZENE
810U	2-METHYLPHENOL
810U	BIS(2-CHLOROISOPROPYL) ETHER
810U	(3-AND/OR 4-)METHYLPHENOL
810U	N-NITROSODI-N-PROPYLAMINE
810UR	HEXACHLOROETHANE
810U	NITROBENZENE
810U	ISOPHORONE
810U	2-NITROPHENOL
810U	2,4-DIMETHYLPHENOL
3900U	BENZOIC ACID
810U	BIS(2-CHLOROETHOXY) METHANE
810U	2,4-DICHLOROPHENOL
810U	1,2,4-TRICHLOROBENZENE
810U	NAPHTHALENE
810U	4-CHLOROANILINE
810U	HEXACHLOROBUTADIENE
810U	4-CHLORO-3-METHYLPHENOL
810U	2-METHYLNAPHTHALENE
810U	HEXACHLOROCYCLOPENTADIENE (HCCP)
810U	2,4,6-TRICHLOROPHENOL
3900U	2,4,5-TRICHLOROPHENOL
810U	2-CHLORONAPHTHALENE
3900U	2-NITROANILINE
810UR	DIMETHYL PHTHALATE
810U	ACENAPHTHYLENE
810U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3900U	3-NITROANILINE
810U	ACENAPHTHENE
3900UR	2,4-DINITROPHENOL
3900U	4-NITROPHENOL
810U	DIBENZOFURAN
810U	2,4-DINITROTOLUENE
810U	DIETHYL PHTHALATE
810U	4-CHLOROPHENYL PHENYL ETHER
810U	FLUORENE
3900U	4-NITROANILINE
3900U	2-METHYL-4,6-DINITROPHENOL
810U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
810U	4-BROMOPHENYL PHENYL ETHER
810U	HEXACHLOROBENZENE (HCB)
3900U	PENTACHLOROPHENOL
810U	PHENANTHRENE
810U	ANTHRACENE
810U	DI-N-BUTYLPHTHALATE
810U	FLUORANTHENE
810U	PYRENE
810U	BENZYL BUTYL PHTHALATE
1600U	3,3'-DICHLOROBENZIDINE
810U	BENZO(A)ANTHRACENE
810U	CHRYSENE
810U	BIS(2-ETHYLHEXYL) PHTHALATE
810U	DI-N-OCTYLPHTHALATE
810U	BENZO(B AND/OR K)FLUORANTHENE
810U	BENZO-A-PYRENE
810U	INDENO (1,2,3-CD) PYRENE
810U	DIBENZO(A,H)ANTHRACENE
810U	BENZO(GHI)PERYLENE
18	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48006 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB02
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1240 STOP: 00/00/00
D NUMBER: X181

UG/KG	ANALYTICAL RESULTS
19UR	ALPHA-BHC
19U	BETA-BHC
19U	DELTA-BHC
19U	GAMMA-BHC (LINDANE)
19U	HEPTACHLOR
19U	ALDRIN
19U	HEPTACHLOR EPOXIDE
19U	ENDOSULFAN I (ALPHA)
39U	DIELDRIN
39U	4,4'-DDE (P,P'-DDE)
39U	ENDRIN
39UR	ENDOSULFAN II (BETA)
39U	4,4'-DDD (P,P'-DDD)
39U	ENDOSULFAN SULFATE
39U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
190U	METHOXYCHLOR
39U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
190U	GAMMA-CHLORDANE /2
190U	ALPHA-CHLORDANE /2
390U	TOXAPHENE
190U	PCB-1016 (AROCLOR 1016)
190U	PCB-1221 (AROCLOR 1221)
190U	PCB-1232 (AROCLOR 1232)
190U	PCB-1242 (AROCLOR 1242)
190U	PCB-1248 (AROCLOR 1248)
390U	PCB-1254 (AROCLOR 1254)
390U	PCB-1260 (AROCLOR 1260)
18	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48009 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB03 COLLECTION START: 06/25/90 1425 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X184

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
50U	METHYLENE CHLORIDE
11U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
9U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
12	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48009 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB03 COLLECTION START: 06/25/90 1425 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: X184 MD NO: X184

ANALYTICAL RESULTS UG/KG

200J 3 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48009 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB03

CASE NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1425 STOP: 00/00/00

D. NO.: X184

UG/KG	ANALYTICAL RESULTS
760U	PHENOL
760U	BIS(2-CHLOROETHYL) ETHER
760U	2-CHLOROPHENOL
760U	1,3-DICHLOROBENZENE
760U	1,4-DICHLOROBENZENE
760U	BENZYL ALCOHOL
760U	1,2-DICHLOROBENZENE
760U	2-METHYLPHENOL
760U	BIS(2-CHLOROISOPROPYL) ETHER
760U	(3-AND/OR 4-)METHYLPHENOL
760U	N-NITROSODI-N-PROPYLAMINE
760UR	HEXACHLOROETHANE
760U	NITROBENZENE
760U	ISOPHORONE
760U	2-NITROPHENOL
760U	2,4-DIMETHYLPHENOL
3700U	BENZOIC ACID
760U	BIS(2-CHLOROETHOXY) METHANE
760U	2,4-DICHLOROPHENOL
760U	1,2,4-TRICHLOROBENZENE
760U	NAPHTHALENE
760U	4-CHLOROANILINE
760U	HEXACHLOROBUTADIENE
760U	4-CHLORO-3-METHYLPHENOL
760U	2-METHYLNAPHTHALENE
760U	HEXACHLOROCYCLOPENTADIENE (HCCP)
760U	2,4,6-TRICHLOROPHENOL
3700U	2,4,5-TRICHLOROPHENOL
760U	2-CHLORONAPHTHALENE
3700U	2-NITROANILINE
760UR	DIMETHYL PHTHALATE
760U	ACENAPHTHYLENE
760U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3700U	3-NITROANILINE
760U	ACENAPHTHENE
3700UR	2,4-DINITROPHENOL
3700U	4-NITROPHENOL
760U	DIBENZOFURAN
760U	2,4-DINITROTOLUENE
760U	DIETHYL PHTHALATE
760U	4-CHLOROPHENYL PHENYL ETHER
760U	FLUORENE
3700U	4-NITROANILINE
3700U	2-METHYL-4,6-DINITROPHENOL
760U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
760U	4-BROMOPHENYL PHENYL ETHER
760U	HEXACHLOROBENZENE (HCB)
3700U	PENTACHLOROPHENOL
760U	PHENANTHRENE
760U	ANTHRACENE
760U	DI-N-BUTYLPHTHALATE
760U	FLUORANTHENE
760U	PYRENE
760U	BENZYL BUTYL PHTHALATE
1500U	3,3'-DICHLOROBENZIDINE
760U	BENZO(A)ANTHRACENE
760U	CHRYSENE
760U	BIS(2-ETHYLHEXYL) PHTHALATE
760U	DI-N-OCTYLPHTHALATE
760U	BENZO(B AND/OR K)FLUORANTHENE
760U	BENZO-A-PYRENE
760U	INDENO (1,2,3-CD) PYRENE
760U	DIBENZO(A,H)ANTHRACENE
760U	BENZO(GHI)PERYLENE
12	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48009 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB03
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1425 STOP: 00/00/00
D. NUMBER: X184

UG/KG	ANALYTICAL RESULTS
18UR	ALPHA-BHC
18U	BETA-BHC
18U	DELTA-BHC
18U	GAMMA-BHC (LINDANE)
18U	HEPTACHLOR
18U	ALDRIN
18U	HEPTACHLOR EPOXIDE
18U	ENDOSULFAN I (ALPHA)
36U	DIELDRIN
36U	4,4'-DDE (P,P'-DDE)
36U	ENDRIN
36UR	ENDOSULFAN II (BETA)
36U	4,4'-DDD (P,P'-DDD)
36U	ENDOSULFAN SULFATE
36U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS	
180U	METHOXYCHLOR	
36U	ENDRIN KETONE	
--	CHLORDANE (TECH. MIXTURE)	/1
180U	GAMMA-CHLORDANE	/2
180U	ALPHA-CHLORDANE	/2
360U	TOXAPHENE	
180U	PCB-1016 (AROCLOR 1016)	
180U	PCB-1221 (AROCLOR 1221)	
180U	PCB-1232 (AROCLOR 1232)	
180U	PCB-1242 (AROCLOR 1242)	
180U	PCB-1248 (AROCLOR 1248)	
360U	PCB-1254 (AROCLOR 1254)	
360U	PCB-1260 (AROCLOR 1260)	
12	PERCENT MOISTURE	

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48011 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB04

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1505 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X186

UG/KG	ANALYTICAL RESULTS
19U	CHLOROMETHANE
19U	BROMOMETHANE
19U	VINYL CHLORIDE
19U	CHLOROETHANE
80U	METHYLENE CHLORIDE
19U	ACETONE
9U	CARBON DISULFIDE
9U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
9U	1,1-DICHLOROETHANE
9U	1,2-DICHLOROETHENE (TOTAL)
9U	CHLOROFORM
9U	1,2-DICHLOROETHANE
19U	METHYL ETHYL KETONE
9U	1,1,1-TRICHLOROETHANE
9U	CARBON TETRACHLORIDE
19U	VINYL ACETATE
9U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
9U	1,2-DICHLOROPROPANE
9U	CIS-1,3-DICHLOROPROPENE
9U	TRICHLOROETHENE(TRICHLOROETHYLENE)
9U	DIBROMOCHLOROMETHANE
9U	1,1,2-TRICHLOROETHANE
9U	BENZENE
9U	TRANS-1,3-DICHLOROPROPENE
9U	BROMOFORM
19U	METHYL ISOBUTYL KETONE
19U	METHYL BUTYL KETONE
9U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
9U	1,1,2,2-TETRACHLOROETHANE
9U	TOLUENE
9U	CHLOROBENZENE
9U	ETHYL BENZENE
9U	STYRENE
9U	TOTAL XYLENES
16	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48011 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB04 COLLECTION START: 06/25/90 1505 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: X186 MD NO: X186

ANALYTICAL RESULTS UG/KG

200J 2 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48011 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB04 COLLECTION START: 06/25/90 1505 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X186

UG/KG	ANALYTICAL RESULTS
800U	PHENOL
800U	BIS(2-CHLOROETHYL) ETHER
800U	2-CHLOROPHENOL
800U	1,3-DICHLOROBENZENE
800U	1,4-DICHLOROBENZENE
800U	BENZYL ALCOHOL
800U	1,2-DICHLOROBENZENE
800U	2-METHYLPHENOL
800U	BIS(2-CHLOROISOPROPYL) ETHER
800U	(3-AND/OR 4-)METHYLPHENOL
800U	N-NITROSODI-N-PROPYLAMINE
800UR	HEXACHLOROETHANE
800U	NITROBENZENE
800U	ISOPHORONE
800U	2-NITROPHENOL
800U	2,4-DIMETHYLPHENOL
3900UR	BENZOIC ACID
800U	BIS(2-CHLOROETHOXY) METHANE
800U	2,4-DICHLOROPHENOL
800U	1,2,4-TRICHLOROBENZENE
800U	NAPHTHALENE
800U	4-CHLOROANILINE
800U	HEXACHLOROBUTADIENE
800U	4-CHLORO-3-METHYLPHENOL
800U	2-METHYLNAPHTHALENE
800U	HEXACHLOROCYCLOPENTADIENE (HCCP)
800U	2,4,6-TRICHLOROPHENOL
3900U	2,4,5-TRICHLOROPHENOL
800U	2-CHLORONAPHTHALENE
3900U	2-NITROANILINE
800UR	DIMETHYL PHTHALATE
800U	ACENAPHTHYLENE
800U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3900U	3-NITROANILINE
800U	ACENAPHTHENE
3900UR	2,4-DINITROPHENOL
3900U	4-NITROPHENOL
800U	DIBENZOFURAN
800U	2,4-DINITROTOLUENE
800U	DIETHYL PHTHALATE
800U	4-CHLOROPHENYL PHENYL ETHER
800U	FLUORENE
3900U	4-NITROANILINE
3900U	2-METHYL-4,6-DINITROPHENOL
800U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
800U	4-BROMOPHENYL PHENYL ETHER
800U	HEXACHLOROBENZENE (HCB)
3900U	PENTACHLOROPHENOL
800U	PHENANTHRENE
800U	ANTHRACENE
800U	DI-N-BUTYLPHTHALATE
800U	FLUORANTHENE
800U	PYRENE
800U	BENZYL BUTYL PHTHALATE
1600U	3,3'-DICHLOROBENZIDINE
800U	BENZO(A)ANTHRACENE
800U	CHRYSENE
800U	BIS(2-ETHYLHEXYL) PHTHALATE
800U	DI-N-OCTYLPHTHALATE
800U	BENZO(B AND/OR K)FLUORANTHENE
800U	BENZO-A-PYRENE
800U	INDENO (1,2,3-CD) PYRENE
800U	DIBENZO(A,H)ANTHRACENE
800U	BENZO(GHI)PERYLENE
16	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48011 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SB04
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1505 STOP: 00/00/00
D. NUMBER: X186

UG/KG	ANALYTICAL RESULTS
19UR	ALPHA-BHC
19U	BETA-BHC
19U	DELTA-BHC
19U	GAMMA-BHC (LINDANE)
19U	HEPTACHLOR
19U	ALDRIN
19U	HEPTACHLOR EPOXIDE
19U	ENDOSULFAN I (ALPHA)
38U	DIELDRIN
38U	4,4'-DDE (P,P'-DDE)
38U	ENDRIN
38UR	ENDOSULFAN II (BETA)
38U	4,4'-DDD (P,P'-DDD)
38U	ENDOSULFAN SULFATE
38U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
190U	METHOXYCHLOR
38U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
190U	GAMMA-CHLORDANE /2
190U	ALPHA-CHLORDANE /2
380U	TOXAPHENE
190U	PCB-1016 (AROCLOR 1016)
190U	PCB-1221 (AROCLOR 1221)
190U	PCB-1232 (AROCLOR 1232)
190U	PCB-1242 (AROCLOR 1242)
190U	PCB-1248 (AROCLOR 1248)
380U	PCB-1254 (AROCLOR 1254)
380U	PCB-1260 (AROCLOR 1260)
16	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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*C-CONFIRMED BY GCMS
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 08/21/90

PROJECT NO. 90-539 SAMPLE NO. 48002 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS01
CASE NUMBER: 14388 SAS NUMBER:
PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1110 STOP: 00/00/00
MD NUMBER: W127

MG/KG	ANALYTICAL RESULTS
6900J	ALUMINUM
8U	ANTIMONY
2U	ARSENIC
93	BARIUM
1U	BERYLLIUM
.65U	CADMIUM
3000	CALCIUM
54	CHROMIUM
3.4	COBALT
20U	COPPER
10000	IRON
500	LEAD
2100	MAGNESIUM

MG/KG	ANALYTICAL RESULTS
250	MANGANESE
.11U	MERCURY
7.9	NICKEL
1700	POTASSIUM
.65U	SELENIUM
2U	SILVER
100U	SODIUM
.43U	THALLIUM
NA	TIN
16	VANADIUM
83	ZINC
07	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA. 08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48002 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS01 COLLECTION START: 06/25/90 1110 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: W127 MD NO: W127

RESULTS	UNITS	PARAMETER
2U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 08/21/90

PROJECT NO. 90-539 SAMPLE NO. 48005 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS02 COLLECTION START: 06/25/90 1225 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: W130

MG/KG	ANALYTICAL RESULTS
31000J	ALUMINUM
27JN	ANTIMONY
2.8	ARSENIC
100	BARIUM
1.6	BERYLLIUM
.69U	CADMIUM
1100U	CALCIUM
40	CHROMIUM
13JN	COBALT
35	COPPER
40000	IRON
24	LEAD
4400	MAGNESIUM
440	MANGANESE
.11U	MERCURY
24JN	NICKEL
2900	POTASSIUM
.69U	SELENIUM
4.9	SILVER
140U	SODIUM
1U	THALLIUM
NA	TIN
52	VANADIUM
103	ZINC
13	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48005 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS02 COLLECTION START: 06/25/90 1225 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: W130 MD NO: W130

RESULTS	UNITS	PARAMETER
2.2U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 08/21/90

PROJECT NO. 90-539 SAMPLE NO. 48008 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS03 COLLECTION START: 06/25/90 1400 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X183

MG/KG	ANALYTICAL RESULTS
42000J	ALUMINUM
34JN	ANTIMONY
.89U	ARSENIC
260	BARIUM
4.5	BERYLLIUM
1.9	CADMIUM
660U	CALCIUM
44	CHROMIUM
30JN	COBALT
50U	COPPER
47000	IRON
22	LEAD
10000	MAGNESIUM

MG/KG	ANALYTICAL RESULTS
1100	MANGANESE
.09U	MERCURY
49JN	NICKEL
11000	POTASSIUM
.67U	SELENIUM
100	SILVER
180U	SODIUM
2U	THALLIUM
NA	TIN
59	VANADIUM
180	ZINC
10	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48008 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS03 COLLECTION START: 06/25/90 1400 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: X183 MD NO: X183

RESULTS	UNITS	PARAMETER
2.1U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48010 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SS04
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1500 STOP: 00/00/00
MD NUMBER: X185

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
7300J	ALUMINUM	210	MANGANESE
17	ANTIMONY	.11U	MERCURY
.88U	ARSENIC	6.2	NICKEL
77	BARIUM	3100	POTASSIUM
1U	BERYLLIUM	.66U	SELENIUM
.66U	CADMIUM	5.5	SILVER
140U	CALCIUM	150U	SODIUM
14	CHROMIUM	.44U	THALLIUM
10	COBALT	NA	TIN
20U	COPPER	18	VANADIUM
16000	IRON	32	ZINC
11	LEAD	10	PERCENT MOISTURE
2200	MAGNESIUM		

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48010 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS04 COLLECTION START: 06/25/90 1500 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X185 MD NO: X185

RESULTS	UNITS	PARAMETER
2.3U	MG/KG	CYANIDE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 08/21/90

PROJECT NO. 90-539 SAMPLE NO. 48016 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS05 COLLECTION START: 06/26/90 1000 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X191

MG/KG	ANALYTICAL RESULTS
25000J	ALUMINUM
20U	ANTIMONY
.98U	ARSENIC
220	BARIUM
2.6	BERYLLIUM
3.6	CADMIUM
820U	CALCIUM
36	CHROMIUM
20JN	COBALT
70U	COPPER
42000	IRON
28	LEAD
7300	MAGNESIUM

MG/KG	ANALYTICAL RESULTS
460	MANGANESE
.11U	MERCURY
150JN	NICKEL
8200	POTASSIUM
.73U	SELENIUM
750	SILVER
210U	SODIUM
1U	THALLIUM
NA	TIN
55	VANADIUM
200	ZINC
19	PERCENT MOISTURE

REMARKS ***REMARKS***

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA. 08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48016 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS05 COLLECTION START: 06/26/90 1000 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X191 MD NO: X191

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48017 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS06 COLLECTION START: 06/26/90 1010 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X192

MG/KG	ANALYTICAL RESULTS
29000J	ALUMINUM
18JN	ANTIMONY
.92U	ARSENIC
190	BARIUM
2.3	BERYLLIUM
2.6	CADMIUM
520U	CALCIUM
42	CHROMIUM
22JN	COBALT
50U	COPPER
45000	IRON
50	LEAD
8200	MAGNESIUM

MG/KG	ANALYTICAL RESULTS
850	MANGANESE
.11U	MERCURY
34JN	NICKEL
9600	POTASSIUM
.69U	SELENIUM
45	SILVER
190U	SODIUM
1U	THALLIUM
NA	TIN
60	VANADIUM
160	ZINC
13	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48017 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SS06 COLLECTION START: 06/26/90 1010 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X192 MD NO: X192

RESULTS	UNITS	PARAMETER
2.2U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48003 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB01 COLLECTION START: 06/25/90 1120 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: W128

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
20000J	ALUMINUM	110	MANGANESE
24JN	ANTIMONY	.11U	MERCURY
2U	ARSENIC	9.4	NICKEL
49	BARIUM	670	POTASSIUM
1U	BERYLLIUM	.75U	SELENIUM
.75U	CADMIUM	3U	SILVER
560U	CALCIUM	100U	SODIUM
29	CHROMIUM	.50U	THALLIUM
3.1	COBALT	NA	TIN
20U	COPPER	47	VANADIUM
32000	IRON	24	ZINC
16	LEAD	20	PERCENT MOISTURE
880	MAGNESIUM		

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA. 08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48003 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB01 COLLECTION START: 06/25/90 1120 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: W128 MD NO: W128

RESULTS	UNITS	PARAMETER
2.3U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 08/21/90

PROJECT NO. 90-539 SAMPLE NO. 48006 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB02 COLLECTION START: 06/25/90 1240 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X181

MG/KG	ANALYTICAL RESULTS
34000J	ALUMINUM
39JN	ANTIMONY
3U	ARSENIC
110	BARIUM
3.2	BERYLLIUM
.72U	CADMIUM
200U	CALCIUM
54	CHROMIUM
22JN	COBALT
41	COPPER
55000	IRON
22	LEAD
5800	MAGNESIUM
880	MANGANESE
.12U	MERCURY
29JN	NICKEL
4400	POTASSIUM
.72U	SELENIUM
3.6	SILVER
130U	SODIUM
1U	THALLIUM
NA	TIN
65	VANADIUM
81	ZINC
19	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539	SAMPLE NO. 48006	SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC			CITY: SHYLAND ST: NC
STATION ID: SB02			COLLECTION START: 06/25/90 1240 STOP: 00/00/00
CASE.NO.: 14388	SAS NO.:		D. NO.: X181 MD NO: X181

RESULTS	UNITS	PARAMETER
2.4U	MG/KG	CYANIDE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48009 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB03 COLLECTION START: 06/25/90 1425 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X184

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
43000J	ALUMINUM	1000	MANGANESE
32JN	ANTIMONY	.11U	MERCURY
.90U	ARSENIC	48JN	NICKEL
290	BARIUM	11000	POTASSIUM
4.2	BERYLLIUM	.68U	SELENIUM
2U	CADMIUM	17	SILVER
280U	CALCIUM	260U	SODIUM
46	CHROMIUM	2U	THALLIUM
34JN	COBALT	NA	TIN
60U	COPPER	57	VANADIUM
44000	IRON	150	ZINC
15	LEAD	11	PERCENT MOISTURE
9800	MAGNESIUM		

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48009 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB03 COLLECTION START: 06/25/90 1425 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X184 MD NO: X184

RESULTS	UNITS	PARAMETER
2U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48011 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB04 COLLECTION START: 06/25/90 1505 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X186

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
22000J	ALUMINUM	880	MANGANESE
6.2U	ANTIMONY	.12U	MERCURY
.95U	ARSENIC	32JN	NICKEL
170	BARIUM	11000	POTASSIUM
2U	BERYLLIUM	.71U	SELENIUM
1U	CADMIUM	4.9	SILVER
110U	CALCIUM	140U	SODIUM
38	CHROMIUM	2U	THALLIUM
43JN	COBALT	NA	TIN
40U	COPPER	58	VANADIUM
50000	IRON	110	ZINC
31	LEAD	16	PERCENT MOISTURE
7600	MAGNESIUM		

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48011 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SB04 COLLECTION START: 06/25/90 1505 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X186 MD NO: X186

RESULTS	UNITS	PARAMETER
2.4U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48007 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD01

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1325 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X182

UG/KG	ANALYTICAL RESULTS
29U	CHLOROMETHANE
29U	BROMOMETHANE
29U	VINYL CHLORIDE
29U	CHLOROETHANE
300U	METHYLENE CHLORIDE
70U	ACETONE
14U	CARBON DISULFIDE
14U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
14U	1,1-DICHLOROETHANE
14U	1,2-DICHLOROETHENE (TOTAL)
14U	CHLOROFORM
14U	1,2-DICHLOROETHANE
29U	METHYL ETHYL KETONE
14U	1,1,1-TRICHLOROETHANE
14U	CARBON TETRACHLORIDE
29U	VINYL ACETATE
14U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
14U	1,2-DICHLOROPROPANE
14U	CIS-1,3-DICHLOROPROPENE
14U	TRICHLOROETHENE(TRICHLOROETHYLENE)
14U	DIBROMOCHLOROMETHANE
14U	1,1,2-TRICHLOROETHANE
14U	BENZENE
14U	TRANS-1,3-DICHLOROPROPENE
14U	BROMOFORM
29U	METHYL ISOBUTYL KETONE
29U	METHYL BUTYL KETONE
14U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
14U	1,1,2,2-TETRACHLOROETHANE
14U	TOLUENE
14U	CHLOROBENZENE
14U	ETHYL BENZENE
14U	STYRENE
14U	TOTAL XYLENES
18	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48007 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD01 COLLECTION START: 06/25/90 1325 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X182 MD NO: X182

ANALYTICAL RESULTS UG/KG

80J 2 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48007 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD01 COLLECTION START: 06/25/90 1325 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X182

UG/KG	ANALYTICAL RESULTS
810U	PHENOL
810U	BIS(2-CHLOROETHYL) ETHER
810U	2-CHLOROPHENOL
810U	1,3-DICHLOROBENZENE
810U	1,4-DICHLOROBENZENE
810U	BENZYL ALCOHOL
810U	1,2-DICHLOROBENZENE
810U	2-METHYLPHENOL
810U	BIS(2-CHLOROISOPROPYL) ETHER
810U	(3-AND/OR 4-)METHYLPHENOL
810U	N-NITROSODI-N-PROPYLAMINE
810UR	HEXACHLOROETHANE
810U	NITROBENZENE
810U	ISOPHORONE
810U	2-NITROPHENOL
810U	2,4-DIMETHYLPHENOL
3900U	BENZOIC ACID
810U	BIS(2-CHLOROETHOXY) METHANE
810U	2,4-DICHLOROPHENOL
810U	1,2,4-TRICHLOROBENZENE
810U	NAPHTHALENE
810U	4-CHLOROANILINE
810U	HEXACHLOROBUTADIENE
810U	4-CHLORO-3-METHYLPHENOL
810U	2-METHYLNAPHTHALENE
810U	HEXACHLOROCYCLOPENTADIENE (HCCP)
810U	2,4,6-TRICHLOROPHENOL
3900U	2,4,5-TRICHLOROPHENOL
810U	2-CHLORONAPHTHALENE
3900U	2-NITROANILINE
810UR	DIMETHYL PHTHALATE
810U	ACENAPHTHYLENE
810U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3900U	3-NITROANILINE
1000	ACENAPHTHENE
3900UR	2,4-DINITROPHENOL
3900U	4-NITROPHENOL
480J	DIBENZOFURAN
810U	2,4-DINITROTOLUENE
810U	DIETHYL PHTHALATE
810U	4-CHLOROPHENYL PHENYL ETHER
930	FLUORENE
3900U	4-NITROANILINE
3900U	2-METHYL-4,6-DINITROPHENOL
810U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
810U	4-BROMOPHENYL PHENYL ETHER
810U	HEXACHLOROBENZENE (HCB)
3900U	PENTACHLOROPHENOL
5400	PHENANTHRENE
900	ANTHRACENE
810U	DI-N-BUTYLPHTHALATE
5700	FLUORANTHENE
4300	PYRENE
810U	BENZYL BUTYL PHTHALATE
1600U	3,3'-DICHLOROBENZIDINE
2000	BENZO(A)ANTHRACENE
2500	CHRYSENE
810U	BIS(2-ETHYLHEXYL) PHTHALATE
810U	DI-N-OCTYLPHTHALATE
1600	BENZO(B AND/OR K)FLUORANTHENE
1600	BENZO-A-PYRENE
1400	INDENO (1,2,3-CD) PYRENE
180J	DIBENZO(A,H)ANTHRACENE
1300	BENZO(GHI)PERYLENE
18	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48007 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD01 COLLECTION START: 06/25/90 1325 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: X182 MD NO: X182

ANALYTICAL RESULTS UG/KG

400JN	DIBENZOTHIOPHENE
600JN	CARBAZOLE
400JN	METHYLANTHRACENE
500JN	METHYLPHENANTHRACENE
900JN	CYCLOPENTAPHENANTHRENE
1000JN	ANTHRACENDIONE
900JN	BENZOFLUORENE (2 ISOMERS)
600JN	BENZOFLUORANTHENE (NOT B OR K) (2 ISOMERS)
2000JN	BENZOPYRENE (NOT A)
800J	1 UNIDENTIFIED COMPOUND

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48007 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD01
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1325 STOP: 00/00/00
D NUMBER: X182

UG/KG	ANALYTICAL RESULTS
19UR	ALPHA-BHC
19U	BETA-BHC
19U	DELTA-BHC
19U	GAMMA-BHC (LINDANE)
19U	HEPTACHLOR
19U	ALDRIN
19U	HEPTACHLOR EPOXIDE
19U	ENDOSULFAN I (ALPHA)
39U	DIELDRIN
39U	4,4'-DDE (P,P'-DDE)
39U	ENDRIN
39UR	ENDOSULFAN II (BETA)
39U	4,4'-DDD (P,P'-DDD)
39U	ENDOSULFAN SULFATE
39U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
190U	METHOXYCHLOR
39U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
190U	GAMMA-CHLORDANE /2
190U	ALPHA-CHLORDANE /2
390U	TOXAPHENE
190U	PCB-1016 (AROCLOR 1016)
190U	PCB-1221 (AROCLOR 1221)
190U	PCB-1232 (AROCLOR 1232)
190U	PCB-1242 (AROCLOR 1242)
190U	PCB-1248 (AROCLOR 1248)
390U	PCB-1254 (AROCLOR 1254)
390U	PCB-1260 (AROCLOR 1260)
18	PERCENT MOISTURE

REMARKS

REMARKS

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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48013 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD02

CASE NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0930 STOP: 00/00/00

D. NO.: X188

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
70U	METHYLENE CHLORIDE
12U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
31	1,1-DICHLOROETHANE
1100	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
19	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
50U	TOLUENE
6U	CHLOROBENZENE
13	ETHYL BENZENE
6U	STYRENE
40	TOTAL XYLENES
27	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA. 09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48013 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD02 COLLECTION START: 06/26/90 0930 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X188 MD NO: X188

ANALYTICAL RESULTS UG/KG

40JN	DIMETHYLMETHYLENEBICYCLOHEPTANE
10JN	PHELLANDRENE
30JN	CARENE
20J	1 UNIDENTIFIED COMPOUND

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48013 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD02

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0930 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X188

UG/KG	ANALYTICAL RESULTS
910U	PHENOL
910U	BIS(2-CHLOROETHYL) ETHER
910U	2-CHLOROPHENOL
910U	1,3-DICHLOROBENZENE
910U	1,4-DICHLOROBENZENE
910U	BENZYL ALCOHOL
910U	1,2-DICHLOROBENZENE
910U	2-METHYLPHENOL
910U	BIS(2-CHLOROISOPROPYL) ETHER
910U	(3-AND/OR 4-)METHYLPHENOL
910U	N-NITROSODI-N-PROPYLAMINE
910UR	HEXACHLOROETHANE
910U	NITROBENZENE
910U	ISOPHORONE
910U	2-NITROPHENOL
910U	2,4-DIMETHYLPHENOL
4400UR	BENZOIC ACID
910U	BIS(2-CHLOROETHOXY) METHANE
910U	2,4-DICHLOROPHENOL
910U	1,2,4-TRICHLOROBENZENE
910U	NAPHTHALENE
910U	4-CHLOROANILINE
910U	HEXACHLOROBUTADIENE
910U	4-CHLORO-3-METHYLPHENOL
910U	2-METHYLNAPHTHALENE
910U	HEXACHLOROCYCLOPENTADIENE (HCCP)
910U	2,4,6-TRICHLOROPHENOL
4400U	2,4,5-TRICHLOROPHENOL
910U	2-CHLORONAPHTHALENE
4400U	2-NITROANILINE
910UR	DIMETHYL PHTHALATE
910U	ACENAPHTHYLENE
910U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
4400U	3-NITROANILINE
910U	ACENAPHTHENE
4400UR	2,4-DINITROPHENOL
4400U	4-NITROPHENOL
910U	DIBENZOFURAN
910U	2,4-DINITROTOLUENE
910U	DIETHYL PHTHALATE
910U	4-CHLOROPHENYL PHENYL ETHER
910U	FLUORENE
4400U	4-NITROANILINE
4400U	2-METHYL-4,6-DINITROPHENOL
910U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
910U	4-BROMOPHENYL PHENYL ETHER
910U	HEXACHLOROBENZENE (HCB)
4400U	PENTACHLOROPHENOL
910U	PHENANTHRENE
910U	ANTHRACENE
910U	DI-N-BUTYLPHTHALATE
910U	FLUORANTHENE
910U	PYRENE
910U	BENZYL BUTYL PHTHALATE
1800U	3,3'-DICHLOROBENZIDINE
910U	BENZO(A)ANTHRACENE
910U	CHRYSENE
910U	BIS(2-ETHYLHEXYL) PHTHALATE
910U	DI-N-OCTYLPHTHALATE
910U	BENZO(B AND/OR K)FLUORANTHENE
910U	BENZO-A-PYRENE
910U	INDENO (1,2,3-CD) PYRENE
910U	DIBENZO(A,H)ANTHRACENE
910U	BENZO(GHI)PERYLENE
27	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48013 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD02
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0930 STOP: 00/00/00
D NUMBER: X188

UG/KG	ANALYTICAL RESULTS
22UR	ALPHA-BHC
22U	BETA-BHC
22U	DELTA-BHC
22U	GAMMA-BHC (LINDANE)
22U	HEPTACHLOR
22U	ALDRIN
22U	HEPTACHLOR EPOXIDE
22U	ENDOSULFAN I (ALPHA)
44U	DIELDRIN
44U	4,4'-DDE (P,P'-DDE)
44U	ENDRIN
44UR	ENDOSULFAN II (BETA)
44U	4,4'-DDD (P,P'-DDD)
44U	ENDOSULFAN SULFATE
44U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
220U	METHOXYCHLOR
44U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
220U	GAMMA-CHLORDANE /2
220U	ALPHA-CHLORDANE /2
440U	TOXAPHENE
220U	PCB-1016 (AROCLOR 1016)
220U	PCB-1221 (AROCLOR 1221)
220U	PCB-1232 (AROCLOR 1232)
220U	PCB-1242 (AROCLOR 1242)
220U	PCB-1248 (AROCLOR 1248)
440U	PCB-1254 (AROCLOR 1254)
440U	PCB-1260 (AROCLOR 1260)
27	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48012 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD03 COLLECTION START: 06/26/90 0900 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X187

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
40U	METHYLENE CHLORIDE
13U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
24	PERCENT MOISTURE

REMARKS ***REMARKS***

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48012 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD03

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0900 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X187

UG/KG	ANALYTICAL RESULTS
870U	PHENOL
870U	BIS(2-CHLOROETHYL) ETHER
870U	2-CHLOROPHENOL
870U	1,3-DICHLOROBENZENE
870U	1,4-DICHLOROBENZENE
870U	BENZYL ALCOHOL
870U	1,2-DICHLOROBENZENE
870U	2-METHYLPHENOL
870U	BIS(2-CHLOROISOPROPYL) ETHER
870U	(3-AND/OR 4-)METHYLPHENOL
870U	N-NITROSODI-N-PROPYLAMINE
870UR	HEXACHLOROETHANE
870U	NITROBENZENE
870U	ISOPHORONE
870U	2-NITROPHENOL
870U	2,4-DIMETHYLPHENOL
4200U	BENZOIC ACID
870U	BIS(2-CHLOROETHOXY) METHANE
870U	2,4-DICHLOROPHENOL
870U	1,2,4-TRICHLOROBENZENE
870U	NAPHTHALENE
870U	4-CHLOROANILINE
870U	HEXACHLOROBUTADIENE
870U	4-CHLORO-3-METHYLPHENOL
870U	2-METHYLNAPHTHALENE
870U	HEXACHLOROCYCLOPENTADIENE (HCCP)
870U	2,4,6-TRICHLOROPHENOL
4200U	2,4,5-TRICHLOROPHENOL
870U	2-CHLORONAPHTHALENE
4200U	2-NITROANILINE
870UR	DIMETHYL PHTHALATE
870U	ACENAPHTHYLENE
870U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
4200U	3-NITROANILINE
870U	ACENAPHTHENE
4200UR	2,4-DINITROPHENOL
4200U	4-NITROPHENOL
870U	DIBENZOFURAN
870U	2,4-DINITROTOLUENE
870U	DIETHYL PHTHALATE
870U	4-CHLOROPHENYL PHENYL ETHER
870U	FLUORENE
4200U	4-NITROANILINE
4200U	2-METHYL-4,6-DINITROPHENOL
870U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
870U	4-BROMOPHENYL PHENYL ETHER
870U	HEXACHLOROBENZENE (HCB)
4200U	PENTACHLOROPHENOL
870U	PHENANTHRENE
870U	ANTHRACENE
870U	DI-N-BUTYLPHTHALATE
870U	FLUORANTHENE
870U	PYRENE
870U	BENZYL BUTYL PHTHALATE
1700U	3,3'-DICHLOROBENZIDINE
870U	BENZO(A)ANTHRACENE
870U	CHRYSENE
870U	BIS(2-ETHYLHEXYL) PHTHALATE
870U	DI-N-OCTYLPHTHALATE
870U	BENZO(B AND/OR K)FLUORANTHENE
870U	BENZO-A-PYRENE
870U	INDENO (1,2,3-CD) PYRENE
870U	DIBENZO(A,H)ANTHRACENE
870U	BENZO(GHI)PERYLENE
24	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48012 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD03
CASE.NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0900 STOP: 00/00/00
D. NO.: X187 MD NO: X187

ANALYTICAL RESULTS UG/KG

20000J	7 UNIDENTIFIED COMPOUNDS
1000JN	TETRAHYDROHEXAHYDROXYINDENEDIONE
500JN	OCTAHYDROHEXAMETHYLINDENE
N	PETROLEUM PRODUCT

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48012 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD03
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0900 STOP: 00/00/00
D. NUMBER: X187

UG/KG	ANALYTICAL RESULTS
21UR	ALPHA-BHC
21U	BETA-BHC
21U	DELTA-BHC
21U	GAMMA-BHC (LINDANE)
21U	HEPTACHLOR
21U	ALDRIN
21U	HEPTACHLOR EPOXIDE
21U	ENDOSULFAN I (ALPHA)
42U	DIELDRIN
42U	4,4'-DDE (P,P'-DDE)
42U	ENDRIN
42UR	ENDOSULFAN II (BETA)
42U	4,4'-DDD (P,P'-DDD)
42U	ENDOSULFAN SULFATE
42U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
210U	METHOXYCHLOR
42U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
210U	GAMMA-CHLORDANE /2
210U	ALPHA-CHLORDANE /2
420U	TOXAPHENE
210U	PCB-1016 (AROCLOR 1016)
210U	PCB-1221 (AROCLOR 1221)
210U	PCB-1232 (AROCLOR 1232)
210U	PCB-1242 (AROCLOR 1242)
210U	PCB-1248 (AROCLOR 1248)
420U	PCB-1254 (AROCLOR 1254)
420U	PCB-1260 (AROCLOR 1260)
24	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48015 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD04 COLLECTION START: 06/26/90 0950 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X190

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
84	VINYL CHLORIDE
13U	CHLOROETHANE
50U	METHYLENE CHLORIDE
60U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
29	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
23	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48015 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD04

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0950 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X190

UG/KG	ANALYTICAL RESULTS
870U	PHENOL
870U	BIS(2-CHLOROETHYL) ETHER
870U	2-CHLOROPHENOL
870U	1,3-DICHLOROBENZENE
870U	1,4-DICHLOROBENZENE
870U	BENZYL ALCOHOL
870U	1,2-DICHLOROBENZENE
870U	2-METHYLPHENOL
870U	BIS(2-CHLOROISOPROPYL) ETHER
870U	(3-AND/OR 4-)METHYLPHENOL
870U	N-NITROSODI-N-PROPYLAMINE
870UR	HEXACHLOROETHANE
870U	NITROBENZENE
870U	ISOPHORONE
870U	2-NITROPHENOL
870U	2,4-DIMETHYLPHENOL
4200UR	BENZOIC ACID
870U	BIS(2-CHLOROETHOXY) METHANE
870U	2,4-DICHLOROPHENOL
870U	1,2,4-TRICHLOROBENZENE
870U	NAPHTHALENE
870U	4-CHLOROANILINE
870U	HEXACHLOROBUTADIENE
870U	4-CHLORO-3-METHYLPHENOL
870U	2-METHYLNAPHTHALENE
870U	HEXACHLOROCYCLOPENTADIENE (HCCP)
870U	2,4,6-TRICHLOROPHENOL
4200U	2,4,5-TRICHLOROPHENOL
870U	2-CHLORONAPHTHALENE
4200U	2-NITROANILINE
870UR	DIMETHYL PHTHALATE
870U	ACENAPHTHYLENE
870U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
4200U	3-NITROANILINE
870U	ACENAPHTHENE
4200UR	2,4-DINITROPHENOL
4200U	4-NITROPHENOL
870U	DIBENZOFURAN
870U	2,4-DINITROTOLUENE
870U	DIETHYL PHTHALATE
870U	4-CHLOROPHENYL PHENYL ETHER
870U	FLUORENE
4200U	4-NITROANILINE
4200U	2-METHYL-4,6-DINITROPHENOL
870U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
870U	4-BROMOPHENYL PHENYL ETHER
870U	HEXACHLOROBENZENE (HCB)
4200U	PENTACHLOROPHENOL
870U	PHENANTHRENE
870U	ANTHRACENE
870U	DI-N-BUTYLPHTHALATE
870U	FLUORANTHENE
870U	PYRENE
870U	BENZYL BUTYL PHTHALATE
1700U	3,3'-DICHLOROBENZIDINE
870U	BENZO(A)ANTHRACENE
870U	CHRYSENE
870U	BIS(2-ETHYLHEXYL) PHTHALATE
870U	DI-N-OCTYLPHTHALATE
870U	BENZO(B AND/OR K)FLUORANTHENE
870U	BENZO-A-PYRENE
870U	INDENO (1,2,3-CD) PYRENE
870U	DIBENZO(A,H)ANTHRACENE
870U	BENZO(GHI)PERYLENE
23	PERCENT MOISTURE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48015 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD04
CASE NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0950 STOP: 00/00/00
D. NO.: X190 MD NO: X190

ANALYTICAL RESULTS UG/KG

N	PETROLEUM PRODUCT
3000J	3 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48015 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD04
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0950 STOP: 00/00/00
D. NUMBER: X190

UG/KG	ANALYTICAL RESULTS
21UR	ALPHA-BHC
21U	BETA-BHC
21U	DELTA-BHC
21U	GAMMA-BHC (LINDANE)
21U	HEPTACHLOR
21U	ALDRIN
21U	HEPTACHLOR EPOXIDE
21U	ENDOSULFAN I (ALPHA)
42U	DIELDRIN
42U	4,4'-DDE (P,P'-DDE)
42U	ENDRIN
42UR	ENDOSULFAN II (BETA)
42U	4,4'-DDD (P,P'-DDD)
42U	ENDOSULFAN SULFATE
42U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
210U	METHOXYCHLOR
42U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
210U	GAMMA-CHLORDANE /2
210U	ALPHA-CHLORDANE /2
420U	TOXAPHENE
210U	PCB-1016 (AROCLOR 1016)
210U	PCB-1221 (AROCLOR 1221)
210U	PCB-1232 (AROCLOR 1232)
210U	PCB-1242 (AROCLOR 1242)
210U	PCB-1248 (AROCLOR 1248)
420U	PCB-1254 (AROCLOR 1254)
420U	PCB-1260 (AROCLOR 1260)
23	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48019 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD05

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 1025 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X194

UG/KG	ANALYTICAL RESULTS
940U	PHENOL
940U	BIS(2-CHLOROETHYL) ETHER
940U	2-CHLOROPHENOL
940U	1,3-DICHLOROBENZENE
940U	1,4-DICHLOROBENZENE
940U	BENZYL ALCOHOL
940U	1,2-DICHLOROBENZENE
940U	2-METHYLPHENOL
940U	BIS(2-CHLOROISOPROPYL) ETHER
940U	(3-AND/OR 4-)METHYLPHENOL
940U	N-NITROSODI-N-PROPYLAMINE
940UR	HEXACHLOROETHANE
940U	NITROBENZENE
940U	ISOPHORONE
940U	2-NITROPHENOL
940U	2,4-DIMETHYLPHENOL
4500UJ	BENZOIC ACID
940U	BIS(2-CHLOROETHOXY) METHANE
940U	2,4-DICHLOROPHENOL
940U	1,2,4-TRICHLOROBENZENE
940U	NAPHTHALENE
940U	4-CHLOROANILINE
940U	HEXACHLOROBUTADIENE
940U	4-CHLORO-3-METHYLPHENOL
940U	2-METHYLNAPHTHALENE
940U	HEXACHLOROCYCLOPENTADIENE (HCCP)
940U	2,4,6-TRICHLOROPHENOL
4500U	2,4,5-TRICHLOROPHENOL
940U	2-CHLORONAPHTHALENE
4500U	2-NITROANILINE
940UR	DIMETHYL PHTHALATE
940U	ACENAPHTHYLENE
940U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
4500U	3-NITROANILINE
940U	ACENAPHTHENE
4500UR	2,4-DINITROPHENOL
4500U	4-NITROPHENOL
940U	DIBENZOFURAN
940U	2,4-DINITROTOLUENE
940U	DIETHYL PHTHALATE
940U	4-CHLOROPHENYL PHENYL ETHER
940U	FLUORENE
4500U	4-NITROANILINE
4500U	2-METHYL-4,6-DINITROPHENOL
940U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
940U	4-BROMOPHENYL PHENYL ETHER
940U	HEXACHLOROBENZENE (HCB)
4500U	PENTACHLOROPHENOL
600J	PHENANTHRENE
150J	ANTHRACENE
940U	DI-N-BUTYLPHTHALATE
840J	FLUORANTHENE
550J	PYRENE
940U	BENZYL BUTYL PHTHALATE
1900U	3,3'-DICHLOROBENZIDINE
320J	BENZO(A)ANTHRACENE
410J	CHRYSENE
940U	BIS(2-ETHYLHEXYL) PHTHALATE
940U	DI-N-OCTYLPHTHALATE
250J	BENZO(B AND/OR K)FLUORANTHENE
260J	BENZO-A-PYRENE
940U	INDENO (1,2,3-CD) PYRENE
940U	DIBENZO(A,H)ANTHRACENE
150J	BENZO(GHI)PERYLENE
29	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48019 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD05

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 1025 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X194

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
80U	METHYLENE CHLORIDE
13U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
29	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48019 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD05 COLLECTION START: 05/26/90 1025 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X194 MD NO: X194

ANALYTICAL RESULTS UG/KG

N	PETROLEUM PRODUCT
8000J	4 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48019 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD05
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 1025 STOP: 00/00/00
D. NUMBER: X194

UG/KG	ANALYTICAL RESULTS
22UR	ALPHA-BHC
22U	BETA-BHC
22U	DELTA-BHC
22U	GAMMA-BHC (LINDANE)
22U	HEPTACHLOR
22U	ALDRIN
22U	HEPTACHLOR EPOXIDE
22U	ENDOSULFAN I (ALPHA)
45U	DIELDRIN
45U	4,4'-DDE (P,P'-DDE)
45U	ENDRIN
45UR	ENDOSULFAN II (BETA)
45U	4,4'-DDD (P,P'-DDD)
45U	ENDOSULFAN SULFATE
45U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
220U	METHOXYCHLOR
45U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
220U	GAMMA-CHLORDANE /2
220U	ALPHA-CHLORDANE /2
450U	TOXAPHENE
220U	PCB-1016 (AROCLOR 1016)
220U	PCB-1221 (AROCLOR 1221)
220U	PCB-1232 (AROCLOR 1232)
220U	PCB-1242 (AROCLOR 1242)
220U	PCB-1248 (AROCLOR 1248)
450U	PCB-1254 (AROCLOR 1254)
450U	PCB-1260 (AROCLOR 1260)
29	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48007 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD01 COLLECTION START: 06/25/90 1325 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X182

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
17000J	ALUMINUM	690	MANGANESE
28JN	ANTIMONY	.12U	MERCURY
11	ARSENIC	16	NICKEL
120	BARIUM	2500	POTASSIUM
1.9	BERYLLIUM	.74U	SELENIUM
1U	CADMIUM	3U	SILVER
750U	CALCIUM	170U	SODIUM
40	CHROMIUM	.49U	THALLIUM
12	COBALT	NA	TIN
30U	COPPER	29	VANADIUM
35000	IRON	94	ZINC
21	LEAD	19	PERCENT MOISTURE
3300	MAGNESIUM		

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48007 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD01 COLLECTION START: 06/25/90 1325 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: X182 MD NO: X182

RESULTS	UNITS	PARAMETER
2.3U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48013 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD02
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0930 STOP: 00/00/00
MD NUMBER: X188

MG/KG	ANALYTICAL RESULTS
12000J	ALUMINUM
7.1U	ANTIMONY
1.1U	ARSENIC
74	BARIUM
1U	BERYLLIUM
.82U	CADMIUM
120U	CALCIUM
20	CHROMIUM
2.8	COBALT
20U	COPPER
7000	IRON
13	LEAD
1200	MAGNESIUM

MG/KG	ANALYTICAL RESULTS
30	MANGANESE
.14U	MERCURY
9.5	NICKEL
640	POTASSIUM
.82U	SELENIUM
1U	SILVER
160U	SODIUM
.54U	THALLIUM
NA	TIN
25	VANADIUM
29	ZINC
28	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48013 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD02 COLLECTION START: 06/26/90 0930 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X188 MD NO: X188

RESULTS	UNITS	PARAMETER
2.6U	MG/KG	CYANIDE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48012 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD03
CASE NUMBER: 14388 SAS NUMBER:
PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0900 STOP: 00/00/00
MD NUMBER: X187

MG/KG	ANALYTICAL RESULTS
13000J	ALUMINUM
10U	ANTIMONY
3U	ARSENIC
94	BARIUM
2U	BERYLLIUM
3.1	CADMIUM
1100	CALCIUM
82	CHROMIUM
11JN	COBALT
930	COPPER
42000	IRON
59	LEAD
3900	MAGNESIUM

MG/KG	ANALYTICAL RESULTS
300	MANGANESE
.10U	MERCURY
64	NICKEL
3700	POTASSIUM
.77U	SELENIUM
400	SILVER
160U	SODIUM
.51U	THALLIUM
NA	TIN
32	VANADIUM
1200	ZINC
23	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48012 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD03 COLLECTION START: 06/26/90 0900 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X187 MD NO: X187

RESULTS	UNITS	PARAMETER
2.4U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48015 SAMPLE TYPE: SOIL
SOURCE: CTS OF ASHEVILLE INC
STATION ID: SD04
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/26/90 0950 STOP: 00/00/00
MD NUMBER: X190

MG/KG	ANALYTICAL RESULTS
13000J	ALUMINUM
6.8U	ANTIMONY
2U	ARSENIC
51	BARIUM
1U	BERYLLIUM
.78U	CADMIUM
300U	CALCIUM
48	CHROMIUM
5.9	COBALT
40U	COPPER
21000	IRON
13	LEAD
2000	MAGNESIUM
160	MANGANESE
.11U	MERCURY
47	NICKEL
1400	POTASSIUM
.78U	SELENIUM
14	SILVER
140U	SODIUM
.52U	THALLIUM
NA	TIN
27	VANADIUM
250	ZINC
24	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48015 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD04 COLLECTION START: 06/26/90 0950 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X190 MD NO: X190

RESULTS	UNITS	PARAMETER
1.4U	MG/KG	CYANIDE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48019 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD05 COLLECTION START: 06/26/90 1025 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X194

MG/KG	ANALYTICAL RESULTS
11000J	ALUMINUM
20U	ANTIMONY
2U	ARSENIC
96	BARIUM
2U	BERYLLIUM
.90U	CADMIUM
3400	CALCIUM
25	CHROMIUM
9.9	COBALT
20U	COPPER
23000	IRON
30	LEAD
4600	MAGNESIUM

MG/KG	ANALYTICAL RESULTS
410	MANGANESE
.15U	MERCURY
13	NICKEL
3000	POTASSIUM
.90U	SELENIUM
3U	SILVER
260U	SODIUM
.60U	THALLIUM
NA	TIN
30	VANADIUM
92	ZINC
34	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA. 08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48019 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SD05 COLLECTION START: 06/26/90 1025 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X194 MD NO: X194

RESULTS	UNITS	PARAMETER
3.1U	MG/KG	CYANIDE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48018 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW01 COLLECTION START: 06/26/90 1020 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X193

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U*	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10UR	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48018 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW01 COLLECTION START: 06/26/90 1020 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X193 MD NO: X193

ANALYTICAL RESULTS UG/L

5JN	UNDECANE
9JN	DODECANE
4JN	BISDIMETHYLETHYLMETHYLPHENOL
20JN	TRIDECANE
10JN	TETRAMETHYLHEPTADECANE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48018 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW01 COLLECTION START: 06/26/90 1020 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X193

UG/L	ANALYTICAL RESULTS
10UJ	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10UJ	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UJ	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50UR	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48018 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW01 COLLECTION START: 06/26/90 1020 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: D. NUMBER: X193

UG/L	ANALYTICAL RESULTS
.050U	ALPHA-BHC
.050U	BETA-BHC
.050U	DELTA-BHC
.050U	GAMMA-BHC (LINDANE)
.050U	HEPTACHLOR
0.21U	ALDRIN
.050U	HEPTACHLOR EPOXIDE
.050U	ENDOSULFAN I (ALPHA)
.100U	DIELDRIN
.100U	4,4'-DDE (P,P'-DDE)
.100U	ENDRIN
.100U	ENDOSULFAN II (BETA)
.100U	4,4'-DDD (P,P'-DDD)
.100U	ENDOSULFAN SULFATE
.100U	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
.50U	METHOXYCHLOR
.100U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
.50U	GAMMA-CHLORDANE /2
.50U	ALPHA-CHLORDANE /2
1.0U	TOXAPHENE
.50U	PCB-1016 (AROCLOR 1016)
.50U	PCB-1221 (AROCLOR 1221)
.50U	PCB-1232 (AROCLOR 1232)
.50U	PCB-1242 (AROCLOR 1242)
.50U	PCB-1248 (AROCLOR 1248)
1.0U	PCB-1254 (AROCLOR 1254)
1.0U	PCB-1260 (AROCLOR 1260)

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48014 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW02 COLLECTION START: 06/26/90 0940 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X189

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
47	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
1600J	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
330	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10UR	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5O	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48014 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW02 COLLECTION START: 06/26/90 0940 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: X189

UG/L	ANALYTICAL RESULTS
10UJ	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10UJ	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UJ	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50UR	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48014 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW02 COLLECTION START: 06/26/90 0940 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: D. NUMBER: X189

UG/L	ANALYTICAL RESULTS
.050U	ALPHA-BHC
.050U	BETA-BHC
.050U	DELTA-BHC
.050U	GAMMA-BHC (LINDANE)
.050U	HEPTACHLOR
.050U	ALDRIN
.050U	HEPTACHLOR EPOXIDE
.050U	ENDOSULFAN I (ALPHA)
.100U	DIELDRIN
.100U	4,4'-DDE (P,P'-DDE)
.100U	ENDRIN
.100U	ENDOSULFAN II (BETA)
.100U	4,4'-DDD (P,P'-DDD)
.100U	ENDOSULFAN SULFATE
.100U	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
.50U	METHOXYCHLOR
.100U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
.50U	GAMMA-CHLORDANE /2
.50U	ALPHA-CHLORDANE /2
1.0U	TOXAPHENE
.50U	PCB-1016 (AROCLOR 1016)
.50U	PCB-1221 (AROCLOR 1221)
.50U	PCB-1232 (AROCLOR 1232)
.50U	PCB-1242 (AROCLOR 1242)
.50U	PCB-1248 (AROCLOR 1248)
1.0U	PCB-1254 (AROCLOR 1254)
1.0U	PCB-1260 (AROCLOR 1260)

REMARKS

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48018 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW01 COLLECTION START: 06/26/90 1020 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X193

UG/L	ANALYTICAL RESULTS
650UJ	ALUMINUM
26U	ANTIMONY
2U	ARSENIC
50U	BARIUM
1U	BERYLLIUM
3U	CADMIUM
8300U	CALCIUM
2U	CHROMIUM
3U	COBALT
16U	COPPER
910	IRON
4U	LEAD
5600	MAGNESIUM

UG/L	ANALYTICAL RESULTS
100	MANGANESE
.20UJ	MERCURY
9U	NICKEL
1600	POTASSIUM
3U	SELENIUM
2U	SILVER
7900	SODIUM
2UJ	THALLIUM
NA	TIN
3U	VANADIUM
30U	ZINC

REMARKS

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48018 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW01 COLLECTION START: 06/26/90 1020 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: X193 MD NO: X193

RESULTS	UNITS	PARAMETER
10UJ	UG/L	CYANIDE

REMARKS
HOLDING TIME EXCEEDED-CN

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 08/21/90

PROJECT NO. 90-539 SAMPLE NO. 48014 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW02 COLLECTION START: 06/26/90 0940 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: X189

UG/L	ANALYTICAL RESULTS
780UJ	ALUMINUM
26U	ANTIMONY
2U	ARSENIC
20U	BARIUM
1U	BERYLLIUM
3U	CADMIUM
2600U	CALCIUM
2U	CHROMIUM
3U	COBALT
16U	COPPER
2300	IRON
2U	LEAD
1400	MAGNESIUM

UG/L	ANALYTICAL RESULTS
310	MANGANESE
.20UJ	MERCURY
9U	NICKEL
1000	POTASSIUM
3U	SELENIUM
2U	SILVER
3600U	SODIUM
2UJ	THALLIUM
NA	TIN
2U	VANADIUM
60U	ZINC

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48014 SAMPLE TYPE: SURF.WATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: SW02 COLLECTION START: 06/26/90 0940 STOP: 00/00/00
CASE NO.: 14388 SAS NO.: D. NO.: X189 MD NO: X189

RESULTS	UNITS	PARAMETER
10UJ	UG/L	CYANIDE

REMARKS
HOLDING TIME EXCEEDED-CN

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48004 SAMPLE TYPE: GRNDWATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: PW01 COLLECTION START: 06/25/90 1220 STOP: 00/00/00

CASE NO.: 14388 SAS NO.: D. NO.: W129

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10UR	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS ***REMARKS***

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

09/17/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48004 SAMPLE TYPE: GRNDWATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: PW01 COLLECTION START: 06/25/90 1220 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: W129 MD NO: W129

ANALYTICAL RESULTS UG/L

10JN	BISDIMETHYLETHYLMETHYLPHENOL
5JN	TRIDECANE
5JN	DODECANE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48004 SAMPLE TYPE: GRNDWATER
SOURCE: CTS OF ASHEVILLE INC
STATION ID: PW01

CASE NO.: 14388 SAS NO.:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1220 STOP: 00/00/00

D. NO.: W129

UG/L	ANALYTICAL RESULTS
10UJ	PHENOL
10UJ	BIS(2-CHLOROETHYL) ETHER
10UJ	2-CHLOROPHENOL
10UJ	1,3-DICHLOROBENZENE
10UJ	1,4-DICHLOROBENZENE
10UJ	BENZYL ALCOHOL
10UJ	1,2-DICHLOROBENZENE
10UJ	2-METHYLPHENOL
10UJ	BIS(2-CHLOROISOPROPYL) ETHER
10UJ	(3-AND/OR 4-)METHYLPHENOL
10UJ	N-NITROSODI-N-PROPYLAMINE
10UJ	HEXACHLOROETHANE
10UJ	NITROBENZENE
10UJ	ISOPHORONE
10UJ	2-NITROPHENOL
10UJ	2,4-DIMETHYLPHENOL
50UJ	BENZOIC ACID
10UJ	BIS(2-CHLOROETHOXY) METHANE
10UJ	2,4-DICHLOROPHENOL
10UJ	1,2,4-TRICHLOROBENZENE
10UJ	NAPHTHALENE
10UJ	4-CHLOROANILINE
10UJ	HEXACHLOROBUTADIENE
10UJ	4-CHLORO-3-METHYLPHENOL
10UJ	2-METHYLNAPHTHALENE
10UJ	HEXACHLOROCYCLOPENTADIENE (HCCP)
10UJ	2,4,6-TRICHLOROPHENOL
50UJ	2,4,5-TRICHLOROPHENOL
10UJ	2-CHLORONAPHTHALENE
50UJ	2-NITROANILINE
10UJ	DIMETHYL PHTHALATE
10UJ	ACENAPHTHYLENE
10UJ	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50UJ	3-NITROANILINE
10UJ	ACENAPHTHENE
50UR	2,4-DINITROPHENOL
50UJ	4-NITROPHENOL
10UJ	DIBENZOFURAN
10UJ	2,4-DINITROTOLUENE
10UJ	DIETHYL PHTHALATE
10UJ	4-CHLOROPHENYL PHENYL ETHER
10UJ	FLUORENE
50UJ	4-NITROANILINE
50UJ	2-METHYL-4,6-DINITROPHENOL
10UJ	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10UJ	4-BROMOPHENYL PHENYL ETHER
10UJ	HEXACHLOROBENZENE (HCB)
50UJ	PENTACHLOROPHENOL
10UJ	PHENANTHRENE
10UJ	ANTHRACENE
10UJ	DI-N-BUTYLPHTHALATE
10UJ	FLUORANTHENE
10UJ	PYRENE
10UJ	BENZYL BUTYL PHTHALATE
20UJ	3,3'-DICHLOROBENZIDINE
10UJ	BENZO(A)ANTHRACENE
10UJ	CHRYSENE
10UJ	BIS(2-ETHYLHEXYL) PHTHALATE
10UJ	DI-N-OCTYLPHTHALATE
10UJ	BENZO(B AND/OR K)FLUORANTHENE
10UJ	BENZO-A-PYRENE
10UJ	INDENO (1,2,3-CD) PYRENE
10UJ	DIBENZO(A,H)ANTHRACENE
10UJ	BENZO(GHI)PERYLENE

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 09/17/90

PROJECT NO. 90-539 SAMPLE NO. 48004 SAMPLE TYPE: GRNDWATER
SOURCE: CTS OF ASHEVILLE INC
STATION ID: PW01
CASE NUMBER: 14388 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
CITY: SHYLAND ST: NC
COLLECTION START: 06/25/90 1220 STOP: 00/00/00
D. NUMBER: W129

UG/L	ANALYTICAL RESULTS
.050U	ALPHA-BHC
.050U	BETA-BHC
.050U	DELTA-BHC
.050U	GAMMA-BHC (LINDANE)
.050U	HEPTACHLOR
.050U	ALDRIN
.050U	HEPTACHLOR EPOXIDE
.050U	ENDOSULFAN I (ALPHA)
.100U	DIELDRIN
.100U	4,4'-DDE (P,P'-DDE)
.100U	ENDRIN
.100U	ENDOSULFAN II (BETA)
.100U	4,4'-DDD (P,P'-DDD)
.100U	ENDOSULFAN SULFATE
.100U	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
.50U	METHOXYCHLOR
.100U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
.50U	GAMMA-CHLORDANE /2
.50U	ALPHA-CHLORDANE /2
1.0U	TOXAPHENE
.50U	PCB-1016 (AROCLOR 1016)
.50U	PCB-1221 (AROCLOR 1221)
.50U	PCB-1232 (AROCLOR 1232)
.50U	PCB-1242 (AROCLOR 1242)
.50U	PCB-1248 (AROCLOR 1248)
1.0U	PCB-1254 (AROCLOR 1254)
1.0U	PCB-1260 (AROCLOR 1260)

REMARKS

REMARKS

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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

METALS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48004 SAMPLE TYPE: GRNDWATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: PW01 COLLECTION START: 06/25/90 1220 STOP: 00/00/00
CASE NUMBER: 14388 SAS NUMBER: MD NUMBER: W129

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
230UJ	ALUMINUM	6U	MANGANESE
40U	ANTIMONY	.20UJ	MERCURY
2U	ARSENIC	9U	NICKEL
30U	BARIUM	1900	POTASSIUM
1U	BERYLLIUM	3U	SELENIUM
3U	CADMIUM	2U	SILVER
5200U	CALCIUM	4100U	SODIUM
2U	CHROMIUM	2UJ	THALLIUM
3U	COBALT	NA	TIN
50U	COPPER	2U	VANADIUM
990	IRON	20U	ZINC
9	LEAD		
1500	MAGNESIUM		

REMARKS

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/21/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-539 SAMPLE NO. 48004 SAMPLE TYPE: GRNDWATER PROG ELEM: NSF COLLECTED BY: M. WESTMORELAND
SOURCE: CTS OF ASHEVILLE INC CITY: SHYLAND ST: NC
STATION ID: PW01 COLLECTION START: 06/25/90 1220 STOP: 00/00/00
CASE.NO.: 14388 SAS NO.: D. NO.: W129 MD NO: W129

RESULTS	UNITS	PARAMETER
10UJ	UG/L	CYANIDE

REMARKS
HOLDING TIME EXCEEDED-CN

REMARKS

FOOTNOTES
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App. C

Site Inspection Report

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003149556

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
CTS of Asheville, Inc.	Mills Gap Road

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST.
Skyland	NC	28776	Buncombe	11	11

09 COORDINATES LATITUDE	LONGITUDE
35 21 03.0	082 30 24.0

10 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
06 25 90 (MONTH DAY YEAR)	☒ ACTIVE ☐ INACTIVE	1953 (BEGINNING YEAR) | Present (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☒ B. EPA CONTRACTOR NVS Corporation (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO
Margo Westmoreland		NVS	(704) 938-7710
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO
Alvin Williams		11	( ) 11
Ron Young		11	( ) 11
John Jenkins		11	( ) 11
Eric Corbin		11	( ) 11
Bob Talford	Gus Brown	11	( ) 11

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Stan Greenburg			(704) 752-5555
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	0930	

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO
Stan Greenburg	Coldwell Banker - Gatewood Realty	(704) 752-5555

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Stephany Fine	.	NVS	(704) 938-7710	09/12/90 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003149556

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- A SOLID
- B POWDER, FINES
- X C SLUDGE
- D OTHER (Specify)
- E SLURRY
- X F LIQUID
- G GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS: Unknown
- CUBIC YARDS:
- NO. OF DRUMS:

03 WASTE CHARACTERISTICS (Check all that apply)

- X A TOXIC
- B CORROSIVE
- C RADIOACTIVE
- X D PERSISTENT
- E SOLUBLE
- F INFECTIOUS
- X G FLAMMABLE
- H IGNITABLE
- I HIGHLY VOLATILE
- J EXPLOSIVE
- K REACTIVE
- L INCOMPATIBLE
- M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	44,440	lb/yr	Based on RCRA Part A
OLW	OILY WASTE			
SOL	SOLVENTS	8,307	"	
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	52,900	"	
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SLU	electroplating sludge		Drums & tanks	Unknown	
SOL	halog. solvents		"	"	
SOL	non-halog. solvents		"	"	

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA & State Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003149556

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: Unknown
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[X] POTENTIAL [ ] ALLEGED
Spills could leach into ground + contaminate water.

01 [X] B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: Unknown
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[X] POTENTIAL [ ] ALLEGED
Runoff could contaminate nearby surface water.

01 [X] C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: Unknown
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[X] POTENTIAL [ ] ALLEGED
Much of the waste is volatile.

01 [X] D. FIRE EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: Unknown
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[X] POTENTIAL [ ] ALLEGED
Much of the waste is flammable.

01 [X] E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: Unknown
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[X] POTENTIAL [ ] ALLEGED
The potential is low because the facility is fenced and guarded.

01 [X] F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: Unknown (Acres)
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[X] POTENTIAL [ ] ALLEGED
Spills could contaminate soil.

01 [X] G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[X] POTENTIAL [ ] ALLEGED
There are 397 private wells within 3 miles of the facility.

01 [X] H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: _____
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[X] POTENTIAL [ ] ALLEGED
The facility is active and employs many people.

01 [ ] I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 [ ] OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION
[ ] POTENTIAL [ ] ALLEGED
None observed.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003149556

II. HAZARDOUS CONDITIONS AND INCIDENTS (continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None observed.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (include names of species)
None observed.

01 ☒ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
There is fishing on the surface water pathway.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
None observed.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None observed.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☒ OBSERVED (DATE: 1953-198) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Wastes were discharged to the sewer system.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None observed.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
None observed.

III. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)
EPA & State Files.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003149556

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Enter all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
A. NPDES				
B. UIC				
C. AIR				
X D. RCRA		11-80		
E. RCRA INTERIM STATUS				
F. SPCC PLAN				
G. STATE (Specify)				
H. LOCAL (Specify)				
I. OTHER (Specify)				
J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
A. SURFACE IMPOUNDMENT		
B. PILES		
X C. DRUMS, ABOVE GROUND	Unknown	
X D. TANK, ABOVE GROUND	"	
X E. TANK, BELOW GROUND	"	
F. LANDFILL		
G. LANDFARM		
H. OPEN DUMP		
I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- A. INCENERATION
- B. UNDERGROUND INJECTION
- C. CHEMICAL/PHYSICAL
- D. BIOLOGICAL
- E. WASTE OIL PROCESSING
- F. SOLVENT RECOVERY
- G. OTHER RECYCLING/RECOVERY
- H. OTHER (Specify)

05 OTHER

X A. BUILDINGS ON SITE

06 AREA OF SITE

57 acres

07 COMMENTS

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

A. ADEQUATE, SECURE | X B. MODERATE | C. INADEQUATE, POOR | D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Waste is stored in drums and tanks.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE YES X NO

02 COMMENTS

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

EPA + State Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003149556

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as appropriate)

	SURFACE	WELL
COMMUNITY	A ☒	B ☐
NON-COMMUNITY	C ☐	D ☒

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☒	E. ☐	F. ☐

03 DISTANCE TO SITE

A. >3 (mi)
B. <1 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☒ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 1,191

03 DISTANCE TO NEAREST DRINKING WATER WELL <1 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
23 (ft)	East	23 (ft)	(gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

The wells in the area are private wells. Manicipal water companies use surface water (not on pathway

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS	☐ YES ☐ NO	COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☐ A. RESERVOIR, RECREATION, DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☒ D. NOT CURRENTLY USED

02 AFFECTED POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Robinson Creek	☐	<1 (mi)
Cane Creek	☐	<4 (mi)
French Broad River	☐	<8 (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 3,987 (NO. OF PERSONS)	B. 7056 (NO. OF PERSONS)	C. 13,968 (NO. OF PERSONS)

02 DISTANCE TO NEAREST POPULATION <1 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

04 DISTANCE TO NEAREST OFF-SITE BUILDING <1 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site (e.g., rural, village, densely populated urban area))

The population is dense near the site and two the north and south. It is more sparse to the east and west.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003149556

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. 10^{-6} – 10^{-4} cm/sec ☒ B. 10^{-4} – 10^{-3} cm/sec ☐ C. 10^{-4} – 10^{-3} cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☒ B. RELATIVELY IMPERMEABLE (10^{-4} – 10^{-6} cm/sec) ☐ C. RELATIVELY PERMEABLE (10^{-2} – 10^{-4} cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
50 (ft)	6 (ft)		

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
52.0 (in)	3.0 (in)	10 %	East	4 %

09 FLOOD POTENTIAL

SITE IS IN _____ YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. >3 (mi)	B. >3 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

>3 (mi)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO

COMMERCIAL INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. <1 (mi)	B. <1 (mi)	C. >3 (mi)	D. <1 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The facility is located near the base of a steep hill to the west and uphill from areas to the north, east, and south.

VII. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

EPA & State Files, Topographic Map

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003149556

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	1		9-90
SURFACE WATER	2		9-90
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	15		9-90
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
OVA	Background 1ppm
Hnu	"

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF NUS Corporation
Name of organization or individual

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS NUS Files

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

None

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Logbook

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003149556

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
CTS of Asheville				Skyland	NC	28776

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

IV. REALTY OWNER(S) (If applicable, list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

EPA + State Files

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003149556

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
Dove Energy Systems	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Mills Gap Road	

05 CITY	06 STATE	07 ZIP CODE
Skyland	NC	28776

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
CTS of Asheville	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Mills Gap Road	

05 CITY	06 STATE	07 ZIP CODE
Skyland	NC	28776

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA + State Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003149556

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
None	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
None			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA & State Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003149556

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED
04 DESCRIPTION — NO
02 DATE _____ 03 AGENCY _____

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ D. SPILLED MATERIAL REMOVED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ E. CONTAMINATED SOIL REMOVED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ F. WASTE REPACKAGED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ G. WASTE DISPOSED ELSEWHERE
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ H. ON SITE BURIAL
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ I. IN SITU CHEMICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ J. IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ K. IN SITU PHYSICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ L. ENCAPSULATION
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ M. EMERGENCY WASTE TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ N. CUTOFF WALLS
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ O. EMERGENCY DIKING SURFACE WATER DIVERSION
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ P. CUTOFF TRENCHES/SUMP
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ Q. SUBSURFACE CUTOFF WALL
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003149556

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION — No

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

III. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis reports)

EPA & State Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003149556

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION YES X NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION

III. SOURCES OF INFORMATION *Cite specific references, e.g., state files, sample analysis reports)*

EPA & State Files

APPENDIX

I. FEEDSTOCKS

CAS Number	Chemical Name
1. 7664-41-7	Ammonia
2. 7440-36-0	Antimony
3. 1309-64-4	Antimony Trioxide
4. 7440-38-2	Arsenic
5. 1327-53-3	Arsenic Trioxide
6. 21109-95-5	Barium Sulfide
7. 7726-95-6	Bromine
8. 106-99-0	Butadiene
9. 7440-43-9	Cadmium
10. 7782-50-5	Chlorine
11. 12737-27-8	Chromite
12. 7440-47-3	Chromium
13. 7440-48-4	Cobalt
14. 1317-38-0	Cupric Oxide
15. 7758-98-7	Cupric Sulfate
16. 1317-39-1	Cuprous Oxide
17. 74-85-1	Ethylene
18. 7647-01-0	Hydrochloric Acid
19. 7664-39-3	Hydrogen Fluoride
20. 1335-25-7	Lead Oxide
21. 7439-97-6	Mercury
22. 74-82-8	Methane
23. 91-20-3	Napthalene
24. 7440-02-0	Nickel
25. 7697-37-2	Nitric Acid
26. 7723-14-0	Phosphorus
27. 7778-50-9	Potassium Dichromate
28. 1310-58-3	Potassium Hydroxide
29. 115-07-1	Propylene
30. 10588-01-9	Sodium Dichromate
31. 1310-73-2	Sodium Hydroxide
32. 7646-78-8	Stannic Chloride
33. 7772-99-8	Stannous Chloride
34. 7664-93-9	Sulfuric Acid
35. 108-88-3	Toluene
36. 1330-20-7	Xylene
37. 7646-85-7	Zinc Chloride
38. 7733-02-0	Zinc Sulfate

II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name
1. 75-07-0	Acetaldehyde
2. 64-19-7	Acetic Acid
3. 108-24-7	Acetic Anhydride
4. 75-86-5	Acetone Cyanohydrin
5. 506-96-7	Acetyl Bromide
6. 75-36-5	Acetyl Chloride
7. 107-02-8	Acrolein
8. 107-13-1	Acrylonitrile
9. 124-04-9	Adipic Acid
10. 309-00-2	Aldrin
11. 10043-01-3	Aluminum Sulfate
12. 107-18-6	Allyl Alcohol
13. 107-05-1	Allyl Chloride
14. 7664-41-7	Ammonia
15. 631-61-8	Ammonium Acetate
16. 1863-63-4	Ammonium Benzoate
17. 1066-33-7	Ammonium Bicarbonate
18. 7789-09-5	Ammonium Bichromate
19. 1341-49-7	Ammonium Bifluoride
20. 10192-30-0	Ammonium Bisulfite
21. 1111-78-0	Ammonium Carbamate
22. 12125-02-9	Ammonium Chloride
23. 7788-98-9	Ammonium Chromate
24. 3012-65-5	Ammonium Citrate, Dibasic
25. 13826-83-0	Ammonium Fluoborate
26. 12125-01-8	Ammonium Fluoride
27. 1336-21-6	Ammonium Hydroxide
28. 6009-70-7	Ammonium Oxalate
29. 16919-19-0	Ammonium Silicofluoride
30. 7773-06-0	Ammonium Sulfamate
31. 12135-76-1	Ammonium Sulfide
32. 10196-04-0	Ammonium Sulfite
33. 14307-43-8	Ammonium Tartrate
34. 1762-95-4	Ammonium Thiocyanate
35. 7783-18-8	Ammonium Thiosulfate
36. 628-63-7	Amyl Acetate
37. 62-53-3	Aniline
38. 7647-18-9	Antimony Pentachloride
39. 7789-61-9	Antimony Tribromide
40. 10025-91-9	Antimony Trichloride
41. 7783-56-4	Antimony Trifluoride
42. 1309-64-4	Antimony Trioxide
43. 1303-32-8	Arsenic Disulfide
44. 1303-28-2	Arsenic Pentoxide
45. 7784-34-1	Arsenic Trichloride
46. 1327-53-3	Arsenic Trioxide
47. 1303-33-9	Arsenic Trisulfide
48. 542-62-1	Barium Cyanide
49. 71-43-2	Benzene
50. 65-85-0	Benzoic Acid
51. 100-47-0	Benzonitrile
52. 98-88-4	Benzoyl Chloride
53. 100-44-7	Benzyl Chloride
54. 7440-41-7	Beryllium
55. 7787-47-5	Beryllium Chloride
56. 7787-49-7	Beryllium Fluoride
57. 13597-99-4	Beryllium Nitrate
58. 123-86-4	Butyl Acetate
59. 84-74-2	n-Butyl Phthalate
60. 109-73-9	Butylamine
61. 107-92-6	Butyric Acid
62. 543-90-8	Cadimium Acetate
63. 7789-42-6	Cadmium Bromide
64. 10108-64-2	Cadmium Chloride
65. 7778-44-1	Calcium Arsenate
66. 52740-16-6	Calcium Arsenite
67. 75-20-7	Calcium Carbide
68. 13765-19-0	Calcium Chromate
69. 592-01-8	Calcium Cyanide
70. 26264-06-2	Calcium Dodecylbenzene Sulfonate
71. 7778-54-3	Calcium Hypochlorite
72. 133-06-2	Captan
73. 63-25-2	Carbaryl
74. 1563-66-2	Carbofuran
75. 75-15-0	Carbon Disulfide
76. 56-23-5	Carbon Tetrachloride
77. 57-74-9	Chlordane
78. 7782-50-5	Chlorine
79. 108-90-7	Chlorobenzene
80. 67-66-3	Chloroform
81. 7790-94-5	Chlorosulfonic Acid
82. 2921-88-2	Chlorpyrifos
83. 1066-30-4	Chromic Acetate
84. 7738-94-5	Chromic Acid
85. 10101-53-8	Chromic Sulfate
86. 10049-05-5	Chromous Chloride
87. 544-18-3	Cobaltous Formate
88. 14017-41-5	Cobaltous Sulfamate
89. 56-72-4	Coumaphos
90. 1319-77-3	Cresol
91. 4170-30-3	Crotonaldehyde
92. 142-71-2	Cupric Acetate
93. 12002-03-8	Cupric Acetoarsenite
94. 7447-39-4	Cupric Chloride
95. 3251-23-8	Cupric Nitrate
96. 5893-66-3	Cupric Oxalate
97. 7758-98-7	Cupric Sulfate
98. 10380-29-7	Cupric Sulfate Ammoniated
99. 815-82-7	Cupric Tartrate
100. 506-77-4	Cyanogen Chloride
101. 110-82-7	Cyclohexane
102. 94-75-7	2,4-D Acid
103. 94-11-1	2,4-D Esters
104. 50-29-3	DDT
105. 333-41-5	Diazinon
106. 1918-00-9	Dicamba
107. 1194-65-6	Dichlobenil
108. 117-80-6	Dichlone
109. 25321-22-6	Dichlorobenzene (all isomers)
110. 266-38-19-7	Dichloropropane (all isomers)
111. 26952-23-8	Dichloropropene (all isomers)
112. 8003-19-8	Dichloropropene-Dichloropropane Mixture
113. 75-99-0	2-2-Dichloropropionic Acid
114. 62-73-7	Dichlorvos
115. 60-57-1	Dieldrin
116. 109-89-7	Diethylamine
117. 124-40-3	Dimethylamine
118. 25154-54-5	Dinitrobenzene (all isomers)
119. 51-28-5	Dinitrophenol
120. 25321-14-6	Dinitrotoluene (all isomers)
121. 85-00-7	Diquat
122. 298-04-4	Disulfoton
123. 330-54-1	Diuron
124. 27176-87-0	Dodecylbenzenesulfonic Acid
125. 115-29-7	Endosulfan (all isomers)
126. 72-20-8	Endrin and Metabolites
127. 106-89-8	Epichlorohydrin
128. 563-12-2	Ethion
129. 100-41-4	Ethyl Benzene
130. 107-15-3	Ethylenediamine
131. 106-93-4	Ethylene Dibromide
132. 107-06-2	Ethylene Dichloride
133. 60-00-4	EDTA
134. 1185-57-5	Ferric Ammonium Citrate
135. 2944-67-4	Ferric Ammonium Oxalate
136. 7705-08-0	Ferric Chloride

II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name
137. 7783-50-8	Ferric Fluoride
138. 10421-48-4	Ferric Nitrate
139. 10028-22-5	Ferric Sulfate
140. 10045-89-3	Ferrous Ammonium Sulfate
141. 7758-94-3	Ferrous Chloride
142. 7720-78-7	Ferrous Sulfate
143. 206-44-0	Fluoranthene
144. 50-00-0	Formaldehyde
145. 64-18-6	Formic Acid
146. 110-17-8	Fumaric Acid
147. 98-01-1	Furfural
148. 86-50-0	Guthion
149. 76-44-8	Heptachlor
150. 118-74-1	Hexachlorobenzene
151. 87-68-3	Hexachlorobutadiene
152. 67-72-1	Hexachloroethane
153. 70-30-4	Hexachlorophene
154. 77-47-4	Hexachlorocyclopentadiene
155. 7647-01-0	Hydrochloric Acid (Hydrogen Chloride)
156. 7664-39-3	Hydrofluoric Acid (Hydrogen Fluoride)
157. 74-90-8	Hydrogen Cyanide
158. 7783-06-4	Hydrogen Sulfide
159. 78-79-5	Isoprene
160. 42504-46-1	Isopropanolamine Dodecylbenzenesulfonate
161. 115-32-2	Kelthane
162. 143-50-0	Kepone
163. 301-04-2	Lead Acetate
164. 3687-31-8	Lead Arsenate
165. 7758-95-4	Lead Chloride
166. 13814-96-5	Lead Fluoborate
167. 7783-46-2	Lead Fluoride
168. 10101-63-0	Lead Iodide
169. 18256-98-9	Lead Nitrate
170. 7428-48-0	Lead Stearate
171. 15739-80-7	Lead Sulfate
172. 1314-87-0	Lead Sulfide
173. 592-87-0	Lead Thiocyanate
174. 58-89-9	Lindane
175. 14307-35-8	Lithium Chromate
176. 121-75-5	Malthion
177. 110-16-7	Maleic Acid
178. 108-31-6	Maleic Anhydride
179. 2032-65-7	Mercaptodimethur
180. 592-04-1	Mercuric Cyanide
181. 10045-94-0	Mercuric Nitrate
182. 7783-35-9	Mercuric Sulfate
183. 592-85-8	Mercuric Thiocyanate
184. 10415-75-5	Mercurous Nitrate
185. 72-43-5	Methoxychlor
186. 74-93-1	Methyl Mercaptan
187. 80-62-6	Methyl Methacrylate
188. 298-00-0	Methyl Parathion
189. 7786-34-7	Mevinphos
190. 315-18-4	Mexacarbate
191. 75-04-7	Monoethylamine
192. 74-89-5	Monomethylamine
193. 300-76-5	Naled
194. 91-20-3	Naphthalene
195. 1338-24-5	Naphthenic Acid
196. 7440-02-0	Nickel
197. 15699-18-0	Nickel Ammonium Sulfate
198. 37211-05-5	Nickel Chloride
199. 12054-48-7	Nickel Hydroxide
200. 14216-75-2	Nickel Nitrate
201. 7786-81-4	Nickel Sulfate
202. 7697-37-2	Nitric Acid
203. 98-95-3	Nitrobenzene
204. 10102-44-0	Nitrogen Dioxide
205. 25154-55-6	Nitrophenol (all isomers)
206. 1321-12-6	Nitrotoluene
207. 30525-89-4	Paraformaldehyde
208. 56-38-2	Parathion
209. 608-93-5	Pentachlorobenzene
210. 87-86-5	Pentachlorophenol
211. 85-01-8	Phenanthrene
212. 108-95-2	Phenol
213. 75-44-5	Phosgene
214. 7664-38-2	Phosphoric Acid
215. 7723-14-0	Phosphorus
216. 10025-87-3	Phosphorus Oxychloride
217. 1314-80-3	Phosphorus Pentasulfide
218. 7719-12-2	Phosphorus Trichloride
219. 7784-41-0	Potassium Arsenate
220. 10124-50-2	Potassium Arsenite
221. 7778-50-9	Potassium Bichromate
222. 7789-00-6	Potassium Chromate
223. 7722-64-7	Potassium Permanganate
224. 2312-35-8	Propargite
225. 79-09-4	Propionic Acid
226. 123-62-6	Propionic Anhydride
227. 1336-36-3	Polychlorinated Biphenyls
228. 151-50-8	Potassium Cyanide
229. 1310-58-3	Potassium Hydroxide
230. 75-56-9	Propylene Oxide
231. 121-29-9	Pyrethrins
232. 91-22-5	Quinoline
233. 108-46-3	Resorcinol
234. 7446-08-4	Selenium Oxide
235. 7761-88-8	Silver Nitrate
236. 7631-89-2	Sodium Arsenate
237. 7784-46-5	Sodium Arsenite
238. 10588-01-9	Sodium Bichromate
239. 1333-83-1	Sodium Bifluoride
240. 7631-90-5	Sodium Bisulfite
241. 7775-11-3	Sodium Chromate
242. 143-33-9	Sodium Cyanide
243. 25155-30-0	Sodium Dodecylbenzene Sulfonate
244. 7681-49-4	Sodium Fluoride
245. 16721-80-5	Sodium Hydrosulfide
246. 1310-73-2	Sodium Hydroxide
247. 7681-52-9	Sodium Hypochlorite
248. 124-41-4	Sodium Methylate
249. 7632-00-0	Sodium Nitrate
250. 7558-79-4	Sodium Phosphate, Dibasic
251. 7601-54-9	Sodium Phosphate, Tribasic
252. 10102-18-8	Sodium Selenite
253. 7789-06-2	Strontium Chromate
254. 57-24-9	Strychnine and Salts
255. 100-420-5	Styrene
256. 12771-08-3	Sulfur Monochloride
257. 7664-93-9	Sulfuric Acid
258. 93-76-5	2,4,5-T Acid
259. 2008-46-0	2,4,5-T Amines
260. 93-79-8	2,4,5-T Esters
261. 13560-99-1	2,4,5-T Salts
262. 93-72-1	2,4,5-TP Acid
263. 32534-95-5	2,4,5-TP Acid Esters
264. 72-54-8	TDE
265. 95-94-3	Tetrachlorobenzene
266. 127-18-4	Tetrachloroethane
267. 78-00-2	Tetraethyl Lead
268. 107-49-3	Tetraethyl Pyrophospnate
269. 7446-18-6	Thallium (I) Sulfate
270. 108-88-3	Toluene
271. 8001-35-2	Toxaphene
272. 12002-48-1	Trichlorobenzene (all isomers)
273. 52-68-6	Trichlorfon
274. 25323-89-1	Trichloroethane (all isomers)
275. 79-01-6	Trichloroethylene
276. 25167-82-2	Trichlorophenol (all isomers)
277. 27323-41-7	Triethanolamine Dodecylbenzenesulfonate
278. 121-44-8	Triethylamine
279. 75-50-3	Trimethylamine
280. 541-09-3	Uranyl Acetate
281. 10102-06-4	Uranyl Nitrate
282. 1314-62-1	Vanadium Pentoxide
283. 27774-13-6	Vanadyl Sulfate
284. 108-05-4	Vinyl Acetate
285. 75-35-4	Vinylidene Chloride
286. 1300-71-6	Xylenol
287. 557-34-6	Zinc Acetate
288. 52628-25-8	Zinc Ammonium Chloride
289. 1332-07-6	Zinc Borate
290. 7699-45-8	Zinc Bromide
291. 3486-35-9	Zinc Carbonate
292. 7646-85-7	Zinc Chloride
293. 557-21-1	Zinc Cyanide
294. 7783-49-3	Zinc Fluoride
295. 557-41-5	Zinc Formate
296. 7779-86-4	Zinc Hydrosulfite
297. 7779-88-6	Zinc Nitrate
298. 127-82-2	Zinc Phenolsulfonate
299. 1314-84-7	Zinc Phosphide
300. 16871-71-9	Zinc Silicofluoride
301. 7733-02-0	Zinc Sulfate
302. 13746-89-9	Zirconium Nitrate
303. 16923-95-8	Zirconium Potassium Fluoride
304. 14644-61-2	Zirconium Sulfate
305. 10026-11-6	Zirconium Tetrachloride