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

NUS CORPORATION
SUPERFUND DIVISION

R-586-5-1-15

Recommend Revised HRS Scoring 6/21/91 Earl Bozeman

FINAL REPORT

SCREENING SITE INSPECTION, PHASE II
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA
EPA ID #: NCD091567065

RECEIVED
JUL 00 1991
SUPERFUND SECTION

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Revision 0

FOR THE

WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

MAY 8, 1991

CERCLA

NUS CORPORATION
SUPERFUND DIVISION

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EXECUTIVE SUMMARY

The Stanadyne, Inc., Diesel Systems Group facility is located on Clark Neck Road just inside the city limits of Washington, North Carolina. The facility, operational since 1978, manufactures diesel engine parts. Operations at the Stanadyne facility consist of two processes: aluminum die casting and machining and diesel fuel filter assembly and testing. Wastes generated during these procedures generally include sludges from recovery distillation of degreasing solvents and sludges from a zinc phosphate metal treating process. Other wastes may have included halogenated and nonhalogenated solvents and plating solutions containing cyanide. As of 1987, all waste was drummed and shipped off site for disposal. There is no record of past waste disposal on the facility property.

Surface water and, to a lesser extent, groundwater are the pathways of greatest concern at the Stanadyne facility. Municipal water systems in the area obtain their potable water from a surface water body along the migration pathway as well as from groundwater wells located within 4 miles of the Stanadyne facility. In addition, at least 677 residences obtain potable water from private wells located within 4 miles of the facility. Surface water bodies along the migration pathway also support extensive wetland systems.

The results of the sampling investigation indicate that soils and sediments at the Stanadyne facility contain various organic and inorganic contaminants including phenol, toluene, lead, and zinc. While the concentrations of these contaminants do not appear to be particularly high, a potential still exists for them to migrate into offsite groundwater and sediments.

Based on the analytical results of this investigation and the significant number of residences and municipalities obtaining potable water from the wells and the surface water intake near the facility, FIT 4 recommends that the Stanadyne, Inc., Diesel Systems Group facility be evaluated under the HRS (effective March 14, 1991).

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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 Stanadyne, Inc., Diesel Systems Group facility in Washington, Beaufort 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 F4-9004-73. The field investigation was conducted the week of June 10, 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 relevant background materials.
- Obtain information on local water systems.
- Determine location of and distance to nearest potable well.
- Evaluate potentially affected populations and environments associated with the groundwater, surface water, air and soil exposure pathways.

- Develop a site sketch, to scale.
- Collect environmental samples.

2.0 SITE CHARACTERIZATION

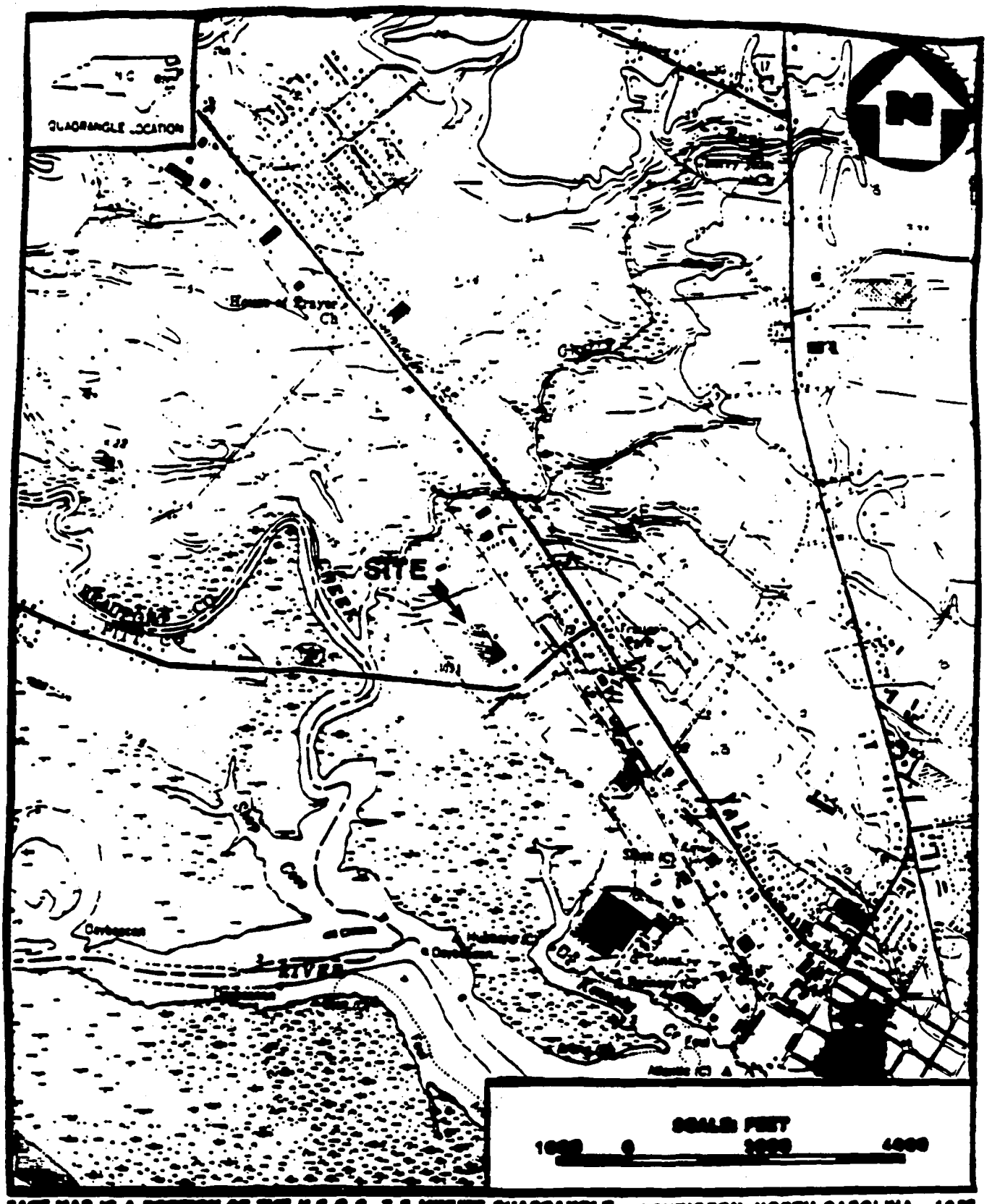
2.1 SITE HISTORY

The Stanadyne facility is located on Clark Neck Road just inside the city limits of Washington, North Carolina. The facility, operational since 1978, manufactures diesel engine parts and is currently referred to as Stanadyne Automotive (Refs. 1, 2, Appendix A). The geographical coordinates are 35°33' 51" N latitude and 77°04' 53" W longitude (Appendix A). The facility location is shown in Figure 1.

The property on which the Stanadyne facility is located was formerly owned by the state of North Carolina. A state or county jail building is still located on the property and is considered a local historical landmark (Refs. 1, 2). In or about 1968, the property was purchased by Sea Crest Marine, a company which manufactured vacuum-formed plastic fishing boats. Sea Crest Marine ceased operations in or about 1972 or 1973 and placed the property up for sale. The property remained on the market until 1978, when it was purchased by Stanadyne (Ref. 2).

Operations at the Stanadyne facility may best be described in two processes: aluminum die casting and machining and diesel fuel filter assembly and testing (Ref. 1). Wastes generated during these procedures generally include sludges from recovery distillation of degreasing solvents and sludges from a zinc phosphate metal treating process. The phosphate sludge was disposed of in a sanitary landfill until 1982. At that time, the state of North Carolina notified Stanadyne that the phosphate sludge was considered to be a hazardous waste and, therefore, could no longer be disposed of in a sanitary landfill (Ref. 3). Documentation from 1987 indicates that all waste was drummed and shipped off site for disposal (Ref. 2). There is no record of past waste disposal at the facility.

The Stanadyne facility filed a RCRA Part A Hazardous Waste Permit application to treat and store hazardous waste in November 1980. Specific wastes designated in this application include both halogenated and nonhalogenated solvents as well as spent cyanide plating waste (Ref. 4). In 1982, the state of North Carolina requested that Stanadyne submit a revised Part A application, based on the characterization of the phosphate sludge as a hazardous waste (Ref. 3). In April 1984, Stanadyne received a letter from the state of North Carolina formally requesting that Part B of the application be filed (Ref. 5). Stanadyne later informed the state that it did not engage in TSD activities and



BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE QUADRANGLE, WASHINGTON, NORTH CAROLINA. 1965

SITE LOCATION MAP
STANADYNE, INC. DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY,
NORTH CAROLINA

FIGURE 1

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therefore did not intend to file a Part B application. In September 1984, the facility was denied the permit (Refs. 6, 7). The Stanadyne facility is currently listed as a full generator (Ref. 8).

2.2 SITE DESCRIPTION

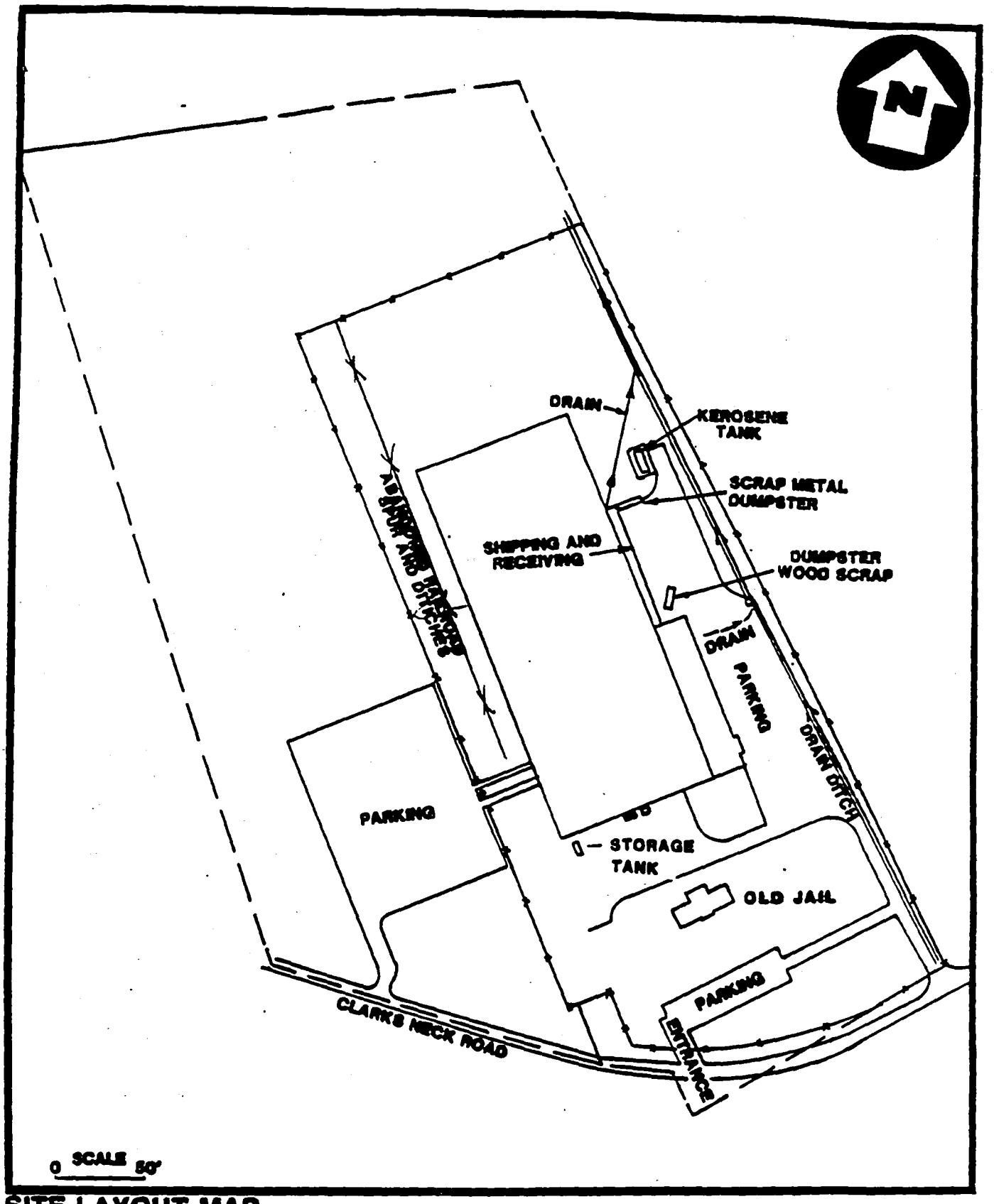
2.2.1 Site Features

The Stanadyne facility is comprised of approximately 10 acres, only one of which is occupied by the main building (Ref. 1, Appendix A). The site layout is presented in Figure 2. The only other structure of significant size is the old jail house, located approximately 75 feet southeast of the main building. Several aboveground storage tanks, used to store solvents, are located at various points near the plant building. These tanks are located on concrete pads, however, and are diked to contain potential spills. An old railroad spur bed extends to the western corner of the main plant building from the main railroad line, located to the north of the facility property. The rails and ties associated with this bed have been removed from the property, as the railroad spur is no longer used. Surface water run-off from the facility generally flows to the northwest, via a series of ditches, toward Cherry Run. Adjacent and directly northeast of the property is a state Department of Transportation (DOT) storage facility. Apparently, the DOT stores asphalt and other road construction materials at this facility. Run-off from the DOT facility flows into the same ditch which receives drainage from the Stanadyne facility. In addition to the DOT facility, there is a large tobacco field across the street to the south of the Stanadyne property which may have been occasionally treated with ethylene dibromide (Ref. 1). Access to the Stanadyne facility is restricted by means of a continuous fence (Ref. 1).

2.2.2 Waste Characteristics

Wastes thought to be attributable to the Stanadyne facility include zinc, phosphate, and cyanide plating wastes as well as sludges from recovery distillation of degreasing solvents such as methylene chloride, perchloroethane, and freon (Refs. 2, 4). 1,1,1-trichloroethane was also used in the past; however, its use was discontinued (Ref. 2). Specific quantities of waste produced are unknown; however, estimated annual quantities of waste obtained from the RCRA Part A application submitted by Stanadyne total approximately 1,723,756.5 pounds per year. Currently, all wastes are drummed and removed from the facility property (Ref. 1). Any of the contaminants mentioned, or others, would enter the environment primarily through direct migration into groundwater or surface water.

The majority of the waste solvents produced at the facility fall into the category of chlorinated hydrocarbons. In general, these chemicals tend to possess low acute and chronic toxicities; however,



SITE LAYOUT MAP
STANADYNE, INC. DIESEL SYSTEMS GROUP
WASHINGTON, NORTH CAROLINA

Figure 2

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many are suspected to be carcinogenic. Volatilization seems to be the most important transport process, and for this reason, they are probably not very persistent in surface water habitats (Ref. 9).

Both zinc and zinc phosphate are essentially insoluble in water; however, zinc salts and hydrated zinc ions may exist in solution at varying degrees of stability (Refs. 9, 10). Zinc may also be adsorbed to suspended material in surface water habitats (Ref. 9). Little information is available on the relative toxicity of zinc and zinc compounds.

Cyanide may be present in many forms in the environment. Transport and fate of cyanide is dependent on the chemical compound containing the cyanide. Most free cyanide will exist as HCN and will volatilize under acetic conditions. Metal cyanides are relatively insoluble and tend to accumulate in the sediments of surface water bodies. Biodegradation is probably also an important fate process. Cyanide is acutely toxic to both freshwater and saltwater organisms, causing death at concentrations as low as 50ug/l (Refs. 9, 11).

3.0 REGIONAL POPULATIONS AND ENVIRONMENTS

3.1 POPULATION AND LAND USE

3.1.1 Demography

According to 1980 Census data, approximately 11,528 people live within a 4-mile radius of the Stanadyne property (Ref. 12). Analysis of available topographic maps of the area indicates that approximately 160 residences are located within 1 mile of the site (Appendix A). Major population centers include the city of Washington in which the facility is located. Additional population is derived from the relatively few private residences scattered within 4 miles of the facility. The closest of these residences lies approximately 0.25 mile to the east of the facility property (Appendix A). In addition, there are approximately two schools located within 4 miles of the facility, the closest lies approximately 1.6 miles southeast of the Stanadyne plant (Appendix A).

3.1.2 Land Use

The land immediately surrounding the Stanadyne facility is generally rural; however, residential and commercial use does occur within 0.25 mile of the plant (Appendix A). Agricultural crops produced in Beaufort County include corn, soybeans, and cotton (Ref. 13). Additionally, the ranges of several state or federally designated endangered species also include Beaufort County. These species include the bald eagle (Haliaeetus leucocephalus), the red-cockaded woodpecker (Picoides borealis), and the rough-leaf loosestrife (Lysimachia asperulifolia) (Ref. 14). In addition, nearby Tranters Creek supports abundant wetland areas. Extensive wetland systems may be found as close as 0.25 mile from the facility (Appendix A).

3.2 SURFACE WATER

3.2.1 Climatology

The coastal plain of North Carolina lies within a subtropical, moist climate region characterized by warm summers, cool winters, and moderate precipitation during all seasons (Ref. 15). Net rainfall averages 9 inches annually, the majority of which falls during the months of July, August, and September. January, April, and October tend to be the driest months of the year (Ref. 15). Rainfall is more or less evenly distributed throughout the rest of the year (Ref. 16). The 1-year, 24-hour rainfall

is 3.5 inches (Ref. 17). Prevailing wind directions tend to be from the south or southwest in the spring and summer and from the north or northeast in the fall and winter (Ref. 16).

3.2.2 Overland Drainage

Surface water run-off from the facility migrates overland approximately 1,300 feet to the northwest via a series of drainage ditches before entering Cherry Run (Ref. 1, Appendix A). Cherry Run flows approximately 600 feet before entering Tranters Creek, a major tributary of the Tar River (Ref. 18, Appendix A). Tranters Creek flows an additional 4,500 feet before its confluence with the Tar River. The Tar River becomes the Pamlico River approximately 1.75 miles downstream of this confluence (Appendix A).

3.2.3 Potentially Affected Water Bodies

The city of Washington has two surface water intakes, both located on Tranters Creek. However, only one of these is located downstream of the facility. This intake is located approximately 1,600 feet from the facility (Refs. 19, 20, Appendix A). The Washington Water Department serves 9,658 people and mixes water from the surface water intakes with water obtained from a groundwater well prior to distribution (Refs. 21, 22). In addition to its use as a source of potable water, Tranters Creek supports extensive wetland systems and is also used for recreational fishing and boating (Ref. 1, Appendix A). Wetland areas are located as close as 0.25 mile downstream of the facility (Appendix A). The Tar and Pamlico rivers are also potentially affected by run-off from the Stanadyne facility. These rivers support extensive wetland systems as well as commercial and recreational fishing, boating, and swimming (Ref. 23, 24). Although the ranges of several state or federally designated endangered or threatened species include Beaufort County, no critical habitats are designated along the surface water pathway for a distance of 15 miles downstream of the facility (Ref. 14).

3.3 GROUNDWATER

3.3.1 Hydrogeology

The Stanadyne, Inc., Diesel Systems Group facility is located in the Atlantic Coastal Plain Physiographic Province and Atlantic and Gulf Coastal Plain hydrogeologic setting (Refs. 25, plate 28; 26, pp. 270-271). The region is underlain by unconsolidated sediments that consist of beds of sand, gravel, and limestone separated by clay or clayey layers and lenses. These layers dip and thicken southeastward, and together comprise a wedge of sediments lying unconformably on crystalline

bedrock (Ref. 27, p. 329). The topography of the area consists of relatively flat and low-lying areas typical of coastal plain settings (Appendix A).

The facility area is underlain, in descending order, by the Quaternary sediments, the Yorktown Formation, the Castle Hayne Limestone, the Beaufort Formation, the Peedee Formation, and the Upper Cretaceous Sand Unit (Ref. 28, p. 27). The Quaternary sediments, the Castle Hayne Limestone, the Beaufort Formation, and the Upper Cretaceous Sand Unit make up multiple aquifer systems in the Beaufort County area of the North Carolina coastal plain (Ref. 27, p. 329).

Interbedded layers of Quaternary sands and clays underlie the Stanadyne, Inc. facility to a depth of approximately 40 feet below land surface (bls) (Ref. 28, p. 29). These sand and clay layers make up the unconfined surficial aquifer system (Ref. 28, p. 26). Based on an analysis of a topographic contour map of the facility area, the depth to groundwater ranges between 3 and 7 feet bls. The depth to groundwater is variable and is very dependent upon topographic position and elevation as well as seasonal fluctuations in the availability of water (Appendix A).

The Upper Miocene Yorktown Formation underlies the surficial sediments. The Yorktown Formation consists of stratified marine clays and silt deposits with lenticular sands, shell beds, and indurated shell limestones, and is approximately 40 feet thick (Refs. 28, pp. 26, 29; 29, pp. 43-44). The marine clay and silt deposits of the Yorktown Formation function as a confining layer and range between 5 and 10 feet thick. This confining layer inhibits the percolation of water to underlying formations (Refs. 28, p. 44; 27). Laboratory analysis of mixtures of clay and silty material similar to those in the Yorktown Formation have been shown to have hydraulic conductivities in the 3.5×10^{-7} to 3.5×10^{-8} cm/sec range (Ref. 29, p. 43).

The Middle Eocene Castle Hayne Limestone underlies the Yorktown Formation. The Castle Hayne Limestone is comprised of limestone, sandy limestone, and sand, and is approximately 80 feet bls in the area of the Stanadyne, Inc. facility. The thickness is approximately 65 feet (Ref. 28, p. 29). The Castle Hayne Limestone is the primary aquifer used in the area (Ref. 30). Recharge to the Castle Hayne Limestone occurs as leakage from underlying and overlying confining layers (Ref. 28, p. 26).

The Paleocene Beaufort Formation underlies the Castle Hayne Limestone. The Beaufort Formation is composed of glauconitic sand, argillaceous sand, indurated shell, and impure limestone facies, and is located approximately 145 feet bls. The thickness in the facility area is approximately 30 feet (Ref. 28, pp. 25, 29). The Beaufort Formation is utilized as an aquifer in the area (Ref. 28, p. 25). The Castle Hayne Limestone and the Beaufort Formation are considered to be hydraulically interconnected (Ref. 30).

The Upper Cretaceous Peedee Formation underlies the Beaufort Formation. The Peedee Formation is composed of interbedded silt and clay layers. These silt and clay layers act as a confining layer between the Castle Hayne Limestone and the Upper Cretaceous Sand Unit and are approximately 15 feet thick. The Upper Cretaceous Sand Unit is composed of interbedded sand and clay and is approximately 175 feet bls (Ref. 28, p. 30). This aquifer is not utilized very often in the Washington area (Ref. 30). Laboratory analysis of silts and clays similar to those of the Peedee Formation have been shown to have hydraulic conductivities in the 1.0×10^{-5} to 1.0×10^{-7} cm/sec range (Ref. 31, p. 29).

3.3.2 Aquifer Use

All of the private wells identified during this investigation are likely to be completed in the upper Castle Hayne aquifer. Municipal systems also obtain potable water from this aquifer (Refs. 21, 30, 32). Although the upper Castle Hayne aquifer is considered to be confined in the vicinity of the Stanadyne facility, it is still considered the aquifer of concern in this area due to its relatively heavy usage as a source of potable water (Refs. 29; 30, p. 44).

Both the city of Washington and the city of Chocowinity have municipal wells within 4 miles of the Stanadyne facility. The city of Washington has one well located approximately 3,000 feet to the southwest of the facility (Ref. 19). This well is approximately 180 feet in depth and provides approximately 30 percent of Washington's daily water requirements. The water from the well is mixed with water from surface water intakes before being distributed in the city system (Ref. 21). Chocowinity has two wells located approximately 3.6 and 3.9 miles to the southwest of the Stanadyne property; they are 80 and 90 feet in depth, respectively (Ref. 23). The Washington and Chocowinity systems serve 9,658 and 1,200 persons, respectively (Ref. 22).

Residences which are not served by municipal systems are assumed to obtain potable water from private wells. Analysis of available topographic maps indicates that approximately 277 residences within 3 miles of the Stanadyne property are not served by municipal systems. An additional 400 unserved residences are located 3 to 4 miles from the facility (Refs. 1, Appendix A). Sixteen private wells are located within 1 mile of the facility, the closest lies approximately 0.6 mile to the west of the plant (Ref. 1, Appendix A).

In addition to the private and municipal wells located near the Stanadyne facility, there are several community or industrial wells located nearby. The community of Shad Bend has a well located approximately 2 miles to the northwest of the facility which serves 52 persons (Refs. 22, Appendix A).

The Flanders Filters facility, located approximately 2.1 miles to the northwest of the Stanadyne property, has three wells which serve 425 persons (Ref. 33, Appendix A).

3.4 SUMMARY OF POTENTIALLY AFFECTED POPULATIONS AND ENVIRONMENTS

Surface water and groundwater are the pathways of greatest concern at the Stanadyne facility. The property is fenced and is in a rural area, so there is little chance that anyone other than the facility employees would be exposed to contaminated surface soils or wind blown dust.

Contamination of surface water is the pathway of primary concern at the Stanadyne facility. Surface water bodies along the migration pathway are used by a municipal system for potable water and support extensive wetland systems as well as recreational fishing and boating. While most of the contaminants thought to be associated with the Stanadyne facility are not considered particularly persistent in surface water habitats, they may still migrate off site due to their tendency to adsorb to particulate matter or in other ways associate with bottom sediments.

Contamination of groundwater is of secondary concern. The upper Castle Hayne aquifer in the area of the site is considered to be confined, and the depth to this aquifer may be as much as 80 feet bls. Two municipal systems obtain their potable water from wells located within 4 miles of the Stanadyne property. Approximately 677 additional private residences obtain potable water from wells located within 4 miles of the facility. The well closest to the facility which is currently used for potable water lies approximately 0.6 mile to the west.

4.0 FIELD INVESTIGATION

4.1 SAMPLE COLLECTION

During the field investigation, conducted the week of June 10, 1990, FIT 4 attempted to identify and characterize contaminants which may be present in the environment as a result of activities that were conducted at the Stanadyne, Inc., Diesel Systems Group facility. To accomplish this, FIT 4 collected environmental surface soil, subsurface soil, groundwater, and sediment samples from a number of strategic locations. These locations were selected based on historical information, hydrogeological data for the region and site area, and direct observation at the site.

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

Duplicate samples were offered to and accepted by Mr. Randi Varni, a designated representative of the Stanadyne Corporation. Receipt for sample forms are on file at FIT 4.

4.1.3 Description of Samples and Sample Locations

During the sampling investigation, a total of 15 environmental samples were collected. A suitable upgradient location was selected in the grassy area to the south of the main building for the collection of background surface soil, subsurface soil, and groundwater samples. A background sediment sample was collected from a drainage ditch which enters the facility property on the southeast corner. Two additional temporary wells were installed for the collection of surface soil, subsurface soil, and groundwater samples at downgradient locations in the north and northwest corners of the property. The remaining surface soil samples were collected from various potential source areas on the property. The remaining sediment samples were collected from drainage ditches

downgradient of potential source areas. All sample locations are shown in Figure 3. Sample codes, descriptions, locations, and rationale are contained in Table 1.

4.1.4 Field Measurements

Field measurements were performed on all water samples (Table 2). Parameters measured included temperature, pH, and conductivity of the sample at time of collection. No field measurements were performed on the soil samples during this investigation.

4.2 SAMPLE ANALYSIS

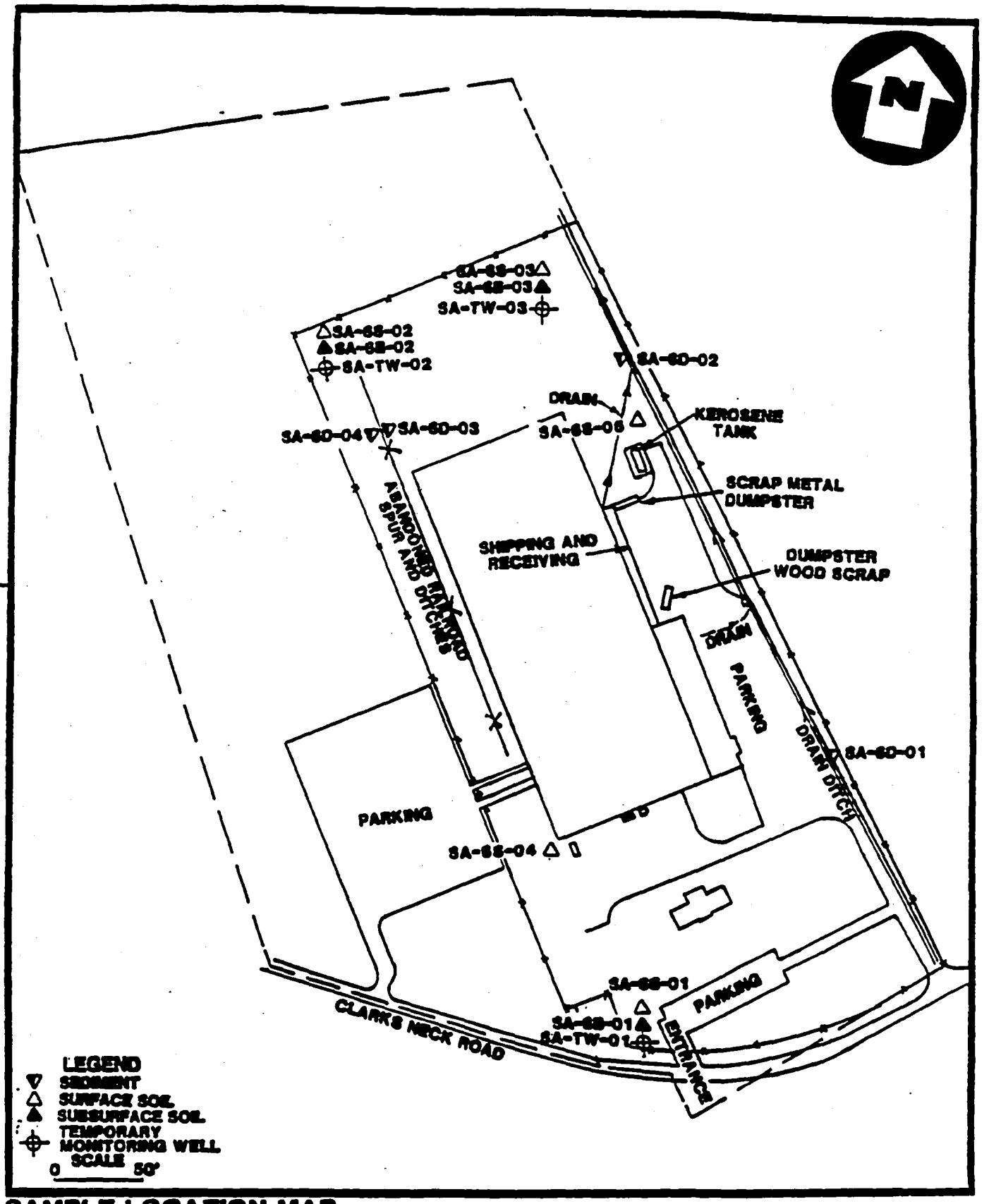
4.2.1 Analytical Support and Methodology

All samples collected were analyzed under the Contract Laboratory Program (CLP) and analyzed for all organic parameters listed in the Target Compound List (TCL) and all inorganic parameters in the Target Analyte List (TAL). Organic analysis of soil and water samples was performed by IT Corporation of Edison, New Jersey. Inorganic analysis of soil and water samples was performed by Southwest Laboratories, Inc. of 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 Laboratory Operations and Quality Control Manual, United States Environmental Protection Agency, Region IV, Environmental Services Division, issued October 24, 1990; or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for the Contract Laboratory Program (CLP) Statement of Work (SOW), as applicable.

4.2.2 Analytical Data Quality and Data Qualifiers

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 of its presence. Results for some background samples are reported with a "U" flag. This flag means that the material was analyzed for but not detected. The reported number is the laboratory-derived minimum quantitation limit (MQL)



SAMPLE LOCATION MAP
STANADYNE, INC. DIESEL SYSTEMS GROUP
WASHINGTON, NORTH CAROLINA

Figure 3

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TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATIONS, AND RATIONALE
STANADYNE, INC. DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

Sample Code	Sample Type	Location	Rationale
SA-SS-01	Surface Soil	Background location in grassy area south of main plant building; 12" to 18" below land surface (bls)	To establish background conditions
SA-SS-02	Surface Soil	The northwestern corner of the plant property; 8" to 16" bls	To assess the presence or absence of contaminants
SA-SS-03	Surface Soil	Northen corner of plant property; 6" bls	To assess the presence or absence of contaminants
SA-SS-04	Surface Soil	Area around storage tank on south corner of main plant building; 6" bls	To assess the presence or absence of contaminants
SA-SS-05	Surface Soil	Area around kerosene storage tank on northern corner of main building; 6" to 12" bls	To assess the presence or absence of contaminants
SA-SB-01	Subsurface Soil	Background location in grassy area south of main plant building; 10' to 11' bls (saturation zone)	To establish background conditions
SA-SB-02	Subsurface Soil	The northwestern corner of the plant property; 6' bls (saturation zone)	To assess the presence or absence of contaminants
SA-SB-03	Subsurface Soil	Northern corner of plant property; 8' bls (saturation zone)	To assess the presence or absence of contaminants
SA-TW-01	Groundwater	Background location in grassy area south of main plant building	To establish background conditions
SA-TW-02	Groundwater	The northwestern corner of the plant property	To assess the presence or absence of contaminants
SA-TW-03	Groundwater	Northern corner of plant property	To assess the presence or absence of contaminants
SA-SD-01	Sediment	Background location in drainage ditch on eastern edge of facility property	To establish background conditions

SA - Stanadyne, Inc.
SS - Surface Soil
SB - Subsurface Soil
TW - Groundwater, Temporary Well
SD - Sediment

TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATIONS, AND RATIONALE
STANADYNE, INC. DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

Sample Code	Sample Type	Location	Rationale
SA-SD-02	Sediment	Drainage ditch near northeast corner of main plant building	To assess the presence or absence of contaminants
SA-SD-03	Sediment	Drainage ditch near northwest corner of main plant building	To assess the presence or absence of contaminants
SA-SD-04	Sediment	Drainage ditch near northwest corner of main plant building	To assess the presence or absence of contaminants

SA - Stanadyne, Inc.
SS - Surface Soil
SB - Subsurface Soil
TW - Groundwater, Temporary Well
SD - Sediment

TABLE 2

FIELD MEASUREMENTS
STANADYNE, INC. DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

Sample Code	pH	Conductivity (umhos/cm)	Temp. (°F)
SA-TW-01	5.7	138	68.9
SA-TW-02	6.15	61.5	78.8
SA-TW-03	6.35	332	74.3

for the compound or element in that sample. At times, miscellaneous organic compounds that do not appear on the target compound list are reported with a data set. These compounds are labeled as "JN", indicating that they are tentatively identified at estimated quantities. Because these compounds are not routinely analyzed for or reported, background levels or MQL values are not generally available for comparison. The complete analytical data sheets are presented in Appendix C.

4.2.3 Presentation of Analytical Results

This section presents a discussion and interpretation of the analytical results from the environmental samples collected during the investigation at the Stanadyne facility. Results of surface soil, subsurface soil, groundwater, and sediment samples are presented in Tables 3, 4, 5, 6, 7, 8, 9, and 10. Background samples have been designated for all media. Values for background sample results are presented as either a measured value or as the minimum quantitation limit (MQL). Samples containing concentrations of contaminants greater than three times the background level or MQL of these contaminants are considered to be elevated. These samples are noted in the text.

Surface soil samples collected at the Stanadyne facility revealed the presence of both organic and inorganic contaminants at levels elevated above those of the background sample. Toluene was detected in two of the downgradient samples (SA-SS-O2, SA-SS-04), collected at locations in the northwest corner of the property and near an aboveground solvent storage tank, respectively. The concentrations detected at both locations were 6.5 times those of the background sample (Table 3). One unidentified organic compound and one tentatively identified compound were also detected. Of the inorganics detected at elevated concentrations in surficial soils, only lead and zinc were of any toxicological significance. These two metals were detected in one sample (SA-SS-05), collected near the kerosene storage tank at estimated concentrations of 3.6 and 3.3 times those of the background sample, respectively (Table 4).

Subsurface soil sampling identified no organic contaminants at elevated concentrations (Table 5). Chromium and lead were detected in subsurface soil samples; however, no comparison of downgradient inorganic data may be made with background concentrations due to an error in sample processing (Table 6).

Sediment samples collected at locations downgradient of potential source areas revealed a number of organic contaminants. Phenol was detected in one sediment sample (SA-SD-03), collected from a drainage ditch near the northwest corner of the main plant building, at an estimated concentration of 4.4 times that of the background sample (Table 7). Tentatively identified compounds were also detected in one of the downgradient samples. Two of the sediment samples (SA-SD-02 and

TABLE 3

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE SOIL SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background	Downgradient			
	SA-SS-01	SA-SS-02	SA-SS-03	SA-SS-04	SA-SS-05
PURGEABLE COMPOUNDS					
TOLUENE	2J	13	-	13	-
EXTRACTABLE COMPOUNDS					
UNIDENTIFIED COMPOUND/NO.(1)		400J/1			
HYDROXYMETHYLDIMETHOXYFUROBENZOPYRANONE(1)					600JN

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

TABLE 4

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SURFACE SOIL SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background	Downgradient			
	SA-SS-01	SA-SS-02	SA-SS-03	SA-SS-04	SA-SS-05
ALUMINUM	4300	2700	3700	2600	3300
BARIUM	24	-	-	-	14
CALCIUM	320U	-	-	-	1400
CHROMIUM	4.3	3.6	4.6	4.8	4.6
COBALT	2U	-	-	1.2	-
COPPER	4.9J	-	-	14J	7.3J
IRON	2800	1800	3900	2300	2300
LEAD	4.2	6.4	4.4	5.4	15
MAGNESIUM	240	130	180	160	190
MANGANESE	110	26	20	22	26
POTASSIUM	120U	-	-	-	83
VANADIUM	6.2	4.3	8.7	5.1	5.6
ZINC	6UJ	-	-	-	20J

- 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 5

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SUBSURFACE SOIL SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background	Downgradient	
	SA-SB-01	SA-SB-02	SA-SB-03
PURGEABLE COMPOUNDS			
TOLUENE	1J	-	2J
EXTRACTABLE COMPOUNDS			
PETROLEUM PRODUCT	-	-	N

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
N Presumptive evidence of presence of material.

TABLE 6

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SUBSURFACE SOIL SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background	Downgradient	
	SA-SB-01	SA-SB-02	SA-SB-03
ALUMINUM	NA	1300	3200
CHROMIUM	NA	1.7	4.2
COBALT	NA	-	1.5
IRON	NA	1000	4900
LEAD	NA	1.3	2.6
MAGNESIUM	NA	-	110
MANGANESE	NA	26	17
VANADIUM	NA	1.9	7.3

- Material analyzed for but not detected above minimum quantitation limit (MQL).

NA Not Analyzed

TABLE 7

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background	Downgradient		
	SA-SD-01	SA-SD-02	SA-SD-03	SA-SD-04
PURGEABLE COMPOUNDS				
TOLUENE	6	-	7	-
EXTRACTABLE COMPOUNDS				
PHENOL	360U	-	1600J	-
PHENANTHRENE	69J	-	-	47J
FLUORANTHENE	290J	400J	-	330J
PYRENE	270J	400J	-	250J
BENZO(A)ANTHRACENE	100J	140J	-	100J
CHRYSENE	200J	310J	-	200J
BENZO(B AND/OR K)FLUORANTHENE	470J	740J	-	390J
BENZO-A-PYRENE	180J	300J	-	82J
INDENO (1,2,3-CD) PYRENE	170J	400J	-	87J
BENZO(GHI)PERYLENE	160J	-	-	-
UNIDENTIFIED COMPOUNDS/NO.(1)	1000J/15	6000J/9		3000J/4
PETROLEUM PRODUCT	-	N	-	-
BENZOFLUORANTHENE (NOT B OR K)(1)		700JN		200JN
BICYCLOOCTATRIENE(1)			2000JN	
DIMETHYLBENZENEMETHANOL(1)			5000JN	

- 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 and unidentified compounds. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

TABLE 7

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background	Downgradient		
	SA-SD-01	SA-SD-02	SA-SD-03	SA-SD-04
TETRAMETHYLBUTYLPHENOL(1)			700JN	
PHOSPHORIC ACID TRIPHENYLESTER(1)			3000JN	300JN
METHYLPHENYLAZETIDINE(1)			1000JN	100JN
OCTAHYDRODIMETHYL (METHYLETHYL)PHENANTHENE CARBOXOYLIC ACID METHYLESTER(1)				100JN

- 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 and unidentified compounds. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

TABLE 8

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background	Downgradient		
	SA-SD-01	SA-SD-02	SA-SD-03	SA-SD-04
ALUMINUM	13,000	9900	1200	80,000
ARSENIC	8J	6.1J	-	-
BARIUM	32	33	-	24
CADMIUM	3.3	-	-	-
CALCIUM	55,000	8300	-	-
CHROMIUM	44	20	5.2	9.6
COBALT	2.7	2.1	-	2
COPPER	20J	23J	11J	5.3J
IRON	8700	7600	1200	9000
LEAD	35	77	5.7	7.4
MAGNESIUM	3000	840	-	830
MANGANESE	58	52	4.2	57
NICKEL	12	7.2	-	4.9
SELENIUM	1.3	-	-	-
SODIUM	1200	-	-	-
VANADIUM	28	20	3.9	20
ZINC	76J	170J	-	35J

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.

TABLE 9

SUMMARY OF ORGANIC ANALYTICAL RESULTS
GROUNDWATER SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (ug/l)	Trip Blank	Background	Downgradient	
	SA-TB-01	SA-TW-01	SA-TW-02	SA-TW-03
PURGEABLE COMPOUNDS				
CHLOROFORM	-	5U	1J	-

- 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 10

SUMMARY OF INORGANIC ANALYTICAL RESULTS
GROUNDWATER SAMPLES
STANADYNE, INC., DIESEL SYSTEMS GROUP
WASHINGTON, BEAUFORT COUNTY, NORTH CAROLINA

PARAMETERS (ug/l)	Preservative Blank	Background	Downgradient	
	SA-PB-01	SA-TW-01	SA-TW-02	SA-TW-03
ALUMINUM	110	1600	3300	2900
BARIUM	-	50U	-	100
CALCIUM	-	16,000	9600	57,000
IRON	-	820J	-	4800J
LEAD	-	2U	5	5
MAGNESIUM	-	1800	560	1500
MANGANESE	-	30	170	53
POTASSIUM	-	1400	850	830
SODIUM	-	2000U	1400	4000
VANADIUM	-	2U	-	8

- 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.

SA-SD-O4) contained several polynuclear aromatic compounds; however, none were found to be elevated above background concentrations. Of all of the inorganics detected in sediment samples, only aluminum was found to be elevated above background concentrations (6 times background) (Table 8).

No organic or inorganic contaminants of toxicological importance were detected at elevated levels in any of the groundwater samples (Tables 9, 10).

In summary, environmental sampling conducted at the Stanadyne facility indicates that surficial soils and sediments at the facility contain various inorganic and organic contaminants including lead, zinc, toluene, and phenol at concentrations elevated above those of the background sample. Concentrations of organic contaminants tended to be most greatly elevated in sediment samples collected from drainage ditches on the western edge of the facility; however, none of the contaminants detected can be directly attributed to operations at the facility and are probably due to the proximity of the abandoned railroad spur located there. Concentrations of inorganic contaminants tended to be most greatly elevated in surface soil samples collected on the eastern edge of the facility near a kerosene storage tank. Of the inorganics detected at elevated concentrations, only zinc may be directly attributed to operations at the facility.

5.0 SUMMARY

Surface water, and to a lesser extent, groundwater are the pathways of greatest concern at the Stanadyne facility. Municipal water systems in the area obtain their potable water from a surface water body along the drainage pathway as well as from wells located within 4 miles of the Stanadyne facility. In addition, at least 677 residences obtain potable water from wells located within 4 miles of the facility. Surface water bodies along the pathway also support extensive wetland systems.

The results of the sampling investigation indicate that surficial soils at the facility contain elevated levels of toluene, lead, and zinc, and that downgradient sediments contain elevated levels of phenol. While the concentrations of these contaminants do not appear to be particularly high, a potential still exists for them to migrate into offsite groundwater and surface water.

Based on the analytical results of this investigation and the significant number of residences obtaining potable water from wells and surface water intakes near the facility, FIT 4 recommends that the Stanadyne, Inc., Diesel Systems Group facility be evaluated under the HRS (effective March 14, 1991).

REFERENCES

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2. Potential Hazardous Waste Site Preliminary Assessment (EPA Form 2070-12) and attachments for Stanadyne, Inc.,-Diesel Systems. Filed by Grover Nicholson, September 18, 1987.

3. William Paige, North Carolina Division of Health Services, letter to Donald E. Williams, Stanadyne/Washington Division, January 18,1982. Subject: Retraction of phosphate disposal letter.

4. EPA Hazardous Waste Permit Application (EPA Form 3510-1) for Stanadyne, Inc., Diesel Systems Group. Filed by Paul H. Wabrek, Vice President, November 18, 1980.

5. O.W. Strickland, North Carolina Division of Health Services, letter to Mr. Randolph Varni, Stanadyne Corporation, April 6, 1984. Subject: Submission of Part B application for hazardous waste permit.

6. Mr. Randolph Varni, Stanadyne Corporation, memo to Denny Thompson, April 27, 1984. Subject: Nonsubmission of RCRA Part B application for a hazardous waste permit.

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19. Jerry Cutler, Washington Water Department, telephone conversation with Betty Pruner, NUS Corporation, March 20, 1990. Subject: Washington water system.

20. Alphabetical Within County Listing of Surface Water Intakes, North Carolina Department of Human Resources, Environmental Health Section, Water Supply Branch, July 11, 1990, p. 1.

21. Russell M. Waters, Washington Water Department, telephone conversation with Ron Wilde, NUS Corporation, February 11, 1991. Subject: Washington water system wells and intakes.

22. Alphabetical Within County Listing of Active Community Public Water Systems, North Carolina Environmental Health Section, Water Supply Branch, July 10, 1990.

23. Tony Mullis, Coastal Region Research Coordinator, North Carolina Division of Boating and Inland Fisheries, telephone conversation with Joan Dupont, NUS Corporation, October 28, 1988. Subject: Reverse water flow in the Pamlico River near Washington.

24. Brenda Cox, Goose Creek State Park, telephone conversation with Eric Corbin, NUS Corporation, September 12, 1989. Subject: Recreational and commercial uses of the Pamlico River.

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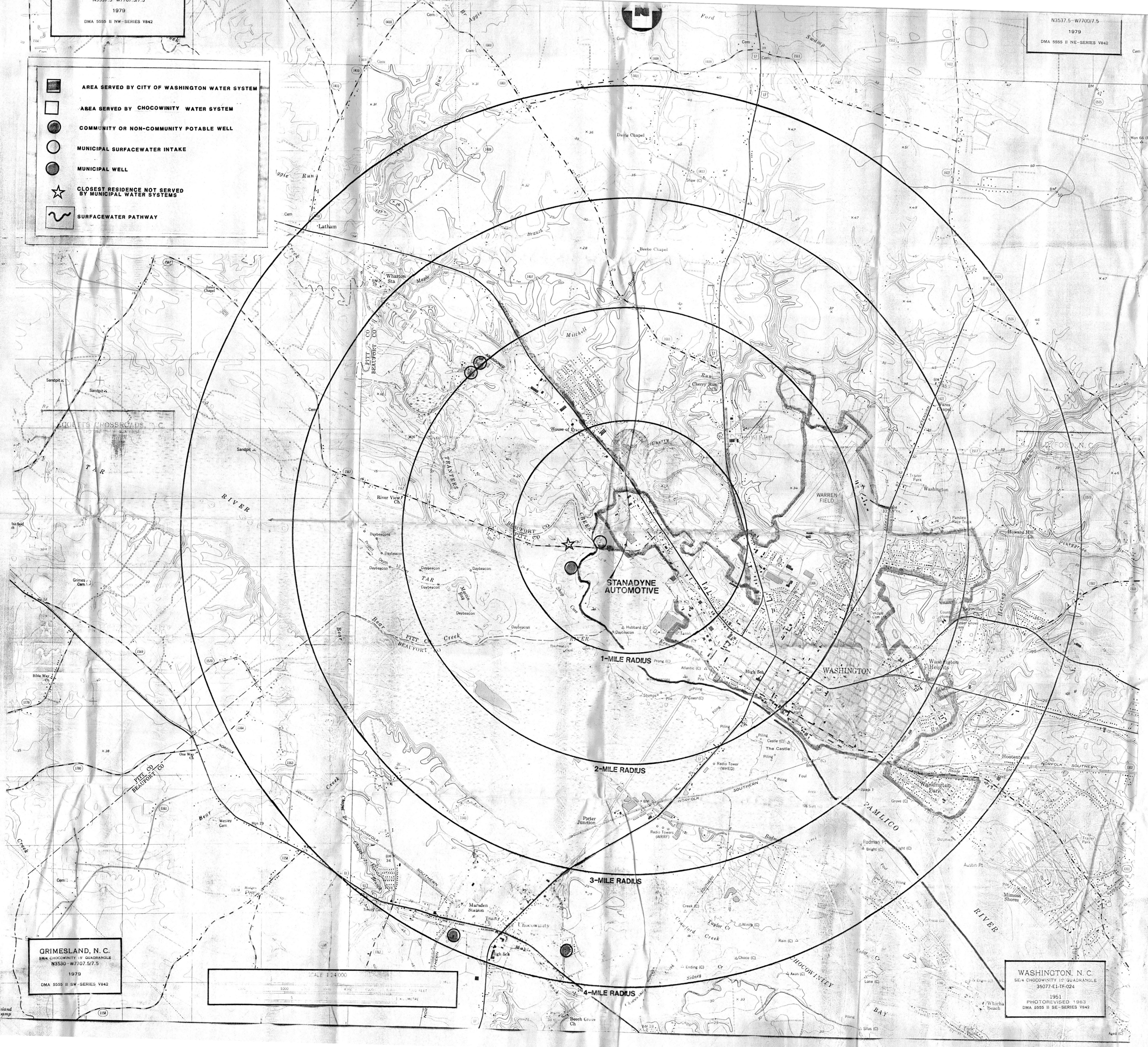
Appendix A

Topographic Map


N3537.5-W7700/7.5
1979
DMA 5555 II NE-SERIES V842
N3537.5-W7707.5/7.5
1979
DMA 5555 II NW-SERIES V842
AREA SERVED BY CITY OF WASHINGTON WATER SYSTEM
AREA SERVED BY CHOCOWINITY WATER SYSTEM
COMMUNITY OR NON-COMMUNITY POTABLE WELL
MUNICIPAL SURFACEWATER INTAKE
MUNICIPAL WELL
CLOSEST RESIDENCE NOT SERVED BY MUNICIPAL WATER SYSTEMS
SURFACEWATER PATHWAY
STANADYNE AUTOMOTIVE
1-MILE RADIUS
2-MILE RADIUS
3-MILE RADIUS
4-MILE RADIUS
WASHINGTON
PAMLICO RIVER
CHOCOWINITY BAY
TAR RIVER
WARREN FIELD
Washington Park
Washington Heights
Hootentown
Chocowinity
Marsden Station
Porter Junction
Radio Towers (WRF)
Radio Tower (WHED)
The Castle
Davis Chapel
Beebe Chapel
Latham
Wharton Sta
Mitchell
Cherry Run Ch
House of Prayer Ch
River View Ch
Rodman Pt
Austin Pt
Mimosa Shores
Howard Hill Ch
Keyoville Ch
Pamlico Race Track
Trailer Park
Sandpit
Daybeacons
Daybeacon
Grimes Cem
Bible Way Ch
One Way Ch
Wesley Cem
Mon 19
Mon 66 (E)
Beech Grove Ch
Whicha Beach
Fork Point
Silas (C)
Aged (C)
Choco (C)
Winitt (C)
Rain (C)
Axon (C)
Lone (C)
Ending (C)
Taylor Cr
Crawford Creek
Sidney Cr
Cedar Cr
Bear Creek
Bear Cr
Chapel Branch
Maple Branch
Mitchell Branch
Shop Cove
Martin Bay
Ford Swamp
Aggie Run
Br Aggie Run
Cherry Run
Herring Creek
Rattlesnake Creek
Pineybridge
Rodman
Hubbard (C)
Atlantic (C)
Prong (C)
Coast (C)
Castle (C)
Bright (C)
Grove (C)
Creek (C)
Foul
Piling
Pile
Stumps
Slack (C)
Tanks
High Sch
City Hall
Oakdale Cem
County Home
Lower Grove Cem
Mon 66 (E)
PITT CO
BEAUFORT CO
NORFOLK SOUTHERN
ABANDONED
EXTENSION
TRANTERS
CHERRY
CREEK
SCALE 1:24 000
1000
1 KILOMETRE
GRIMESLAND, N. C.
SW/4 CHOCOWINITY 15' QUADRANGLE
N3530-W7707.5/7.5
1979
DMA 5555 II SW-SERIES V842
WASHINGTON, N. C.
SE/4 CHOCOWINITY 15' QUADRANGLE
35077-E1-TF-024
1951
PHOTOREVISED 1983
DMA 5555 II SE-SERIES V842

Appendix B

Site Inspection Report

Site Inspection Report

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D091567065

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Stanadyne, Inc. Diesel Systems Group	

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST.
Washington	NC.		Beaufort		

09 COORDINATES LATITUDE	LONGITUDE
35 33 51.0	077 04 53.0

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 (Month Day Year)	02 SITE STATUS	03 YEARS OF OPERATION (Beginning Year / Ending Year)
06 10 90	☒ ACTIVE ☐ INACTIVE	1978 / Present ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☒ B. EPA CONTRACTOR NUS 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
Ron Wilde	Project Manager	NUS-EPA	(404) 938-7710

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO
Walter Riley	Sampler	NUS-EPA	(404) 938-7710
Matt McCoy	Sample Manager	NUS-EPA	(404)-938-7710
Eddie Vasser	Sampler	NUS-EPA	(404)-938-7710
Terry Ryland	Site Safety Officer	NUS-EPA	(404) 938-7710
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Everet Byrd			( )
Randy Varni			( )
Jeff Eyman			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	0800	Fair - Sunny

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO
Mr Randi Varni	Stanadyne, INC.	(919) 945-2553

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE (Month Day Year)
Ron Wilde	NUS	NUS-EPA	404-938-7710	01/9/91

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	D091567065

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____
CUBIC YARDS Unknown
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

X A TOXIC
B CORROSIVE
C RADIOACTIVE
X D PERSISTENT
E SOLUBLE
F INFECTIOUS
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			
OLW	OILY WASTE			
SOL	SOLVENTS	Unknown	N/A	
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
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
	(Wastes Associated with Site)				
IOC	Zinc		Shipped off Site	unknown	
IOC	Zinc phosphate		↓	↓	
SOL	Methylene chloride				
SOL	Perchloroethane				
SOL	Freon				
SOL	111-trichloroethane				
	(Wastes found during investigation)				
IOC	Lead		Detected in Soil Samples	15mg/Kg	
IOC	Zinc		Detected in Soil Samples	20mg/Kg (est.)	
OCC	Phenol		Detected in Sediment Samples	1600ug/Kg (est.)	

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 and State File Material

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D091562065

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
A potential exists for floral damage should contaminants migrate into surface water bodies offsite. Levels of contaminants found in environmental samples at the facility do not appear sufficient to cause observable floral damage.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include names of species)
A potential exists for faunal damage should contaminants migrate into offsite surface water bodies. Levels of contaminants found in environmental samples at the facility do not appear sufficient to cause observable faunal damage

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
A potential exists for food chain contamination should contaminants migrate into offsite surface water bodies. Contaminants found in environmental samples may bioaccumulate within individual animals.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
No unstable containment of waste was observed during field activities at the facility.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No damage to offsite property was observed at the time of the fieldwork

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
All surface water drainage from the facility flows into Cherry Run. No sewers, storm drains or wastewater treatment facilities are found along this migration pathway.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No record of illegal or unauthorized dumping was present in file material. No evidence of illegal dumping was observed at the time of the fieldwork.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None.

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

EPA and State File Material

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE: NC | 02 SITE NUMBER: D091562065

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Some of the contaminants detected in Surface Soil and Sediment samples may become mobile in groundwater ~~due~~

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Some of the contaminants detected in Surface Soil and Sediment Samples may become mobile in Surface water due to their tendency to associate with particulates.

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Some of the contaminants detected in Surface Soil and Sediment Samples may become mobile in air due to their tendency to either volatilize or associate with particulates.

01 ☐ D. FIRE EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
No fire or explosive conditions were observed at the time of the field work.

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Little chance of anyone other than plant employees becoming exposed to contaminants exists ~~due~~ as the facility is fenced and is in a rural area.

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) — 04 NARRATIVE DESCRIPTION
Analytical Results from this investigation indicate that surficial soils and sediments on site contain various organic and inorganic contaminants.

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
No evidence of drinking water contamination can be found in file material. No potable water samples were collected during the fieldwork.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Workers at the facility may potentially be exposed to contaminants Should they have direct contact with surficial soils or sediments at the facility.

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Total population within 4 miles is 11528

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D091567065

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
A NPDES				
B UIC				
C AIR				
D RCRA				
X E RCRA INTERIM STATUS				Denial Permit 9/84
F SPCC PLAN				(Currently listed as
G STATE (Specify)				Full Generator)
H LOCAL (Specify)				
I OTHER (Specify)				
X J NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)
☐ A SURFACE IMPOUNDMENT			☐ A INCENERATION
☐ B PILES			☐ B UNDERGROUND INJECTION
☐ C DRUMS, ABOVE GROUND			☐ C. CHEMICAL/PHYSICAL
X D TANK, ABOVE GROUND	unknown		☐ D. BIOLOGICAL
☐ E. TANK, BELOW GROUND			☐ E. WASTE OIL PROCESSING
☐ F LANDFILL			☐ F. SOLVENT RECOVERY
☐ G. LANDFARM			☐ G. OTHER RECYCLING/RECOVERY
☐ H OPEN DUMP			X H. OTHER none (Specify)
☐ I. OTHER (Specify)			

05 OTHER

X A BUILDINGS ON SITE

06 AREA OF SITE

10 Acres

07 COMMENTS

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

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

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

Above ground tanks on concrete pads with diking to contain spills.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☐ YES X NO

02 COMMENTS

Continuous fence around facility.

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

EPA and State File Material

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE: NC
02 SITE NUMBER: D009126765

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
	Potentially		
COMMUNITY	A ☒	B. ☐	C. ☐
NON-COMMUNITY	D ☒	E. ☐	F ☐

03 DISTANCE TO SITE
A. <1 (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: 15589
03 DISTANCE TO NEAREST DRINKING WATER WELL: 0.5 (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
3 (ft)	West	80 (ft)	Unknown (gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)
municipal and private wells completed in the castle Hayne aquifer

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES ☐ NO	COMMENTS: Unknown	☐ YES ☐ NO	COMMENTS: unknown

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
Cherry Run	☐	0.25 (mi)
Trantes [redacted] Creek	☐	0.36 (mi)
Tar River / Pamlico River	☐	1.21 (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. 608 (NO. OF PERSONS)	B. ____ (NO. OF PERSONS)	C. 11528 (NO. OF PERSONS)

02 DISTANCE TO NEAREST POPULATION: 0.25 (mi)

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

04 DISTANCE TO NEAREST OFF-SITE BUILDING: < 0.25 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site (e.g., total number of persons within a specified radius, population distribution by distance, distinguish between residential, agricultural, and commercial areas)
According to 1990 census data approximately 11528 people live within a 4 mile radius of the Standard Chemical property. Analysis of available topographic maps of the area indicates that approximately 160 residences are located within 1 mile of the site. Approximately 2 schools are located within 4 miles of the Standard Chemical Plant.

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE: NC | 02 SITE NUMBER: D091567065

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

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

02 PERMEABILITY OF BEDROCK (Check one)

A. IMPERMEABLE (Greater than 10^{-6} cm/sec) X 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	
40 (ft)	unknown (ft)	unknown	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
9 (in)	3.5 (in)	2 %	west	2 %

09 FLOOD POTENTIAL

SITE IS IN unknown YEAR FLOODPLAIN

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

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A. unknown (mi) OTHER: B. <0.25 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)

ENDANGERED SPECIES: No critical habitats specified

13 LAND USE IN VICINITY

DISTANCE TO COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS, NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. <0.25 (mi)	B. 0.25 (mi)	C. _____ (mi)	D. <1.0 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The majority of Beaufort County is very flat. The facility is located on what appears to be a past floodplain of a ~~river~~ nearby river or creek.

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

EPA and State File Material

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D091567065

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	3	Both water and soil samples were	
SURFACE WATER		sent to:	
WASTE		Organics - IT Corporation in Edison, NJ	
AIR		Inorganics - Southwest Labs, Inc. - Broken Arrow, OK	
RUNOFF			
SPILL			
SOIL	12		
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
Ph	
Cond	
Temp	

IV. PHOTOGRAPHS AND MAPS

01 TYPE X GROUND X AERIAL

02 IN CUSTODY OF NUS Corporation (name of organization or individual)

03 MAPS ☐ YES ☐ NO

04 LOCATION OF MAPS NUS Corporation, Tucker GA

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

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

EPA and State File Material

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	D071536056

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Standyne Incorporated		Standyne Incorporated	
03 STREET ADDRESS	**04 SIC CODE**	**10 STREET ADDRESS**	**11 SIC CODE**
Clarks Neck Rd			
05 CITY / 06 STATE / 07 ZIP CODE		**12 CITY / 13 STATE / 14 ZIP CODE**	
Washington NC 27889		Windsor, Connecticut	
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY / 06 STATE	07 ZIP CODE	12 CITY / 13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY / 06 STATE	07 ZIP CODE	12 CITY / 13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY / 06 STATE	07 ZIP CODE	12 CITY / 13 STATE	14 ZIP CODE

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

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Seacoast Marine			
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
State of North Carolina			
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. REALTY OWNER(S) (If applicable; list most recent first)

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

EPA and State File material

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	D091567065

II. CURRENT OPERATOR (provide if different from owner)

01 NAME: Standyne Incorporated	02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): PO Box 1105 Clark Nock Rd	04 SIC CODE:
05 CITY: Washington	06 STATE: NC
07 ZIP CODE: 27889	
08 YEARS OF OPERATION: 1978 present	09 NAME OF OWNER:

OPERATOR'S PARENT COMPANY (if applicable)

10 NAME: Standyne Incorporated	11 D+B NUMBER:
12 STREET ADDRESS (P.O. Box, RFD #, etc.):	13 SIC CODE:
14 CITY: Windsor, Connecticut	15 STATE:
16 ZIP CODE:	

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

01 NAME: Sea Crest Marine	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:

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: State of North Carolina	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:	

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 and State File Material

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D091567065

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
Standard Automotive		Listed as Full RCRA Generator.
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
Clarks Neck Rd		
05 CITY / 06 STATE	07 ZIP CODE	
Washington / NC		

III. OFF-SITE GENERATOR(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

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 and State File Material

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D091562065

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None documented

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None documented

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ O. EMERGENCY DIKING SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	D09 057 2065

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None Documented.

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 and State File Material

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D091567065

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION YES NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION

None Documented.

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

EPA and State File Material

EPA FORM 2070-13 (7-81)

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 Pyrophosphate
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

Appendix C

Field Sampling Data

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

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47654 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SB-01
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0900 STOP: 00/00/00
D. NO.: T442 MD NO: T442

RESULTS	UNITS	PARAMETER
NA	MG/KG	CYANIDE

REMARKS
NO SAMPLE CONTAINER RECEIVED

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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47662 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SB-02
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1140 STOP: 00/00/00
D. NO.: T608 MD NO: T608

RESULTS	UNITS	PARAMETER
1.6U	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47659 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: SB-03 COLLECTION START: 06/13/90 1050 STOP: 00/00/00
CASE.NO.: 14282 SAS NO.: D. NO.: T611 MD NO: T611

RESULTS	UNITS	PARAMETER
2.30U	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47655 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC	CITY: WASHINGTON ST: NC
STATION ID: SD-01	COLLECTION START: 06/12/90 1345 STOP: 00/00/00
CASE.NO.: 14282 SAS NO.:	D. NO.: T437 MD NO: T437

RESULTS	UNITS	PARAMETER
2.5U	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-530 SAMPLE NO. 47656 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R WILDE **
** SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC **
** STATION ID: SD-02 COLLECTION START: 06/12/90 1420 STOP: 00/00/00 **
** CASE.NO.: 14282 SAS NO.: D. NO.: T438 MD NO: T438 **
** **
*** ***

RESULTS	UNITS	PARAMETER
1.8U	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47657 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-03
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1450 STOP: 00/00/00
D. NO.: T439 MD NO: T439

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
*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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47665 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-04
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1250 STOP: 00/00/00
D. NO.: T613 MD NO: T613

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
*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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47653 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-01
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0845 STOP: 00/00/00
D. NO.: T441 MD NO: T441

RESULTS	UNITS	PARAMETER
2.10U	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530   SAMPLE NO. 47661   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: R WILDE
SOURCE: STANADYNE INC   CITY: WASHINGTON   ST: NC
STATION ID: SS-02   COLLECTION START: 06/13/90 1115   STOP: 00/00/00
CASE.NO.: 14282   SAS NO.:   D. NO.: T444   MD NO: T444

RESULTS	UNITS	PARAMETER
2.50U	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47658 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-03
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1040 STOP: 00/00/00
D. NO.: T610 MD NO: T610

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
*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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47666 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: SS-04 COLLECTION START: 06/13/90 1320 STOP: 00/00/00
CASE.NO.: 14282 SAS NO.: D. NO.: T615 MD NO: T615

RESULTS	UNITS	PARAMETER
1.9U	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47664 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: SS-05 COLLECTION START: 06/13/90 1235 STOP: 00/00/00
CASE.NO.: 14282 SAS NO.: D. NO.: T614 MD NO: T614

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 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47654 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SB-01
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0900 STOP: 00/00/00
MD NUMBER: T442

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
NA	ALUMINUM	NA	MANGANESE
NA	ANTIMONY	NA	MERCURY
NA	ARSENIC	NA	NICKEL
NA	BARIUM	NA	POTASSIUM
NA	BERYLLIUM	NA	SELENIUM
NA	CADMIUM	NA	SILVER
NA	CALCIUM	NA	SODIUM
NA	CHROMIUM	NA	THALLIUM
NA	COBALT	NA	TIN
NA	COPPER	NA	VANADIUM
NA	IRON	NA	ZINC
NA	LEAD	NA	PERCENT MOISTURE
NA	MAGNESIUM		

REMARKS
NO SAMPLE CONTAINER RECEIVED

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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*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.

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47662 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SB-02
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1140 STOP: 00/00/00
MD NUMBER: T608

ANALYTICAL RESULTS

MG/KG	
1300	ALUMINUM
5.8UJ	ANTIMONY
.67UR	ARSENIC
7U	BARIUM
.22U	BERYLLIUM
.67U	CADMIUM
170U	CALCIUM
1.7	CHROMIUM
.67U	COBALT
3.6UJ	COPPER
1000	IRON
1.3	LEAD
70U	MAGNESIUM
26	MANGANESE
.08UR	MERCURY
2U	NICKEL
80U	POTASSIUM
.67U	SELENIUM
.45U	SILVER
90U	SODIUM
.45UJ	THALLIUM
NA	TIN
1.9	VANADIUM
4UJ	ZINC
13	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.

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47659 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SB-03
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1050 STOP: 00/00/00
MD NUMBER: T611

ANALYTICAL RESULTS

MG/KG	
3200	ALUMINUM
6.4UJ	ANTIMONY
.74UR	ARSENIC
20U	BARIUM
.25U	BERYLLIUM
.74U	CADMIUM
260U	CALCIUM
4.2	CHROMIUM
1.5	COBALT
4UJ	COPPER
4900	IRON
2.6	LEAD
110	MAGNESIUM

ANALYTICAL RESULTS

MG/KG	
17	MANGANESE
.10UR	MERCURY
2.2U	NICKEL
90U	POTASSIUM
.74U	SELENIUM
.50U	SILVER
180U	SODIUM
.50UJ	THALLIUM
NA	TIN
7.3	VANADIUM
5UJ	ZINC
20	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.

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47655 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-01
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1345 STOP: 00/00/00
MD NUMBER: T437

ANALYTICAL RESULTS

MG/KG		MG/KG	
13000	ALUMINUM	58	MANGANESE
5.6UJ	ANTIMONY	.10UR	MERCURY
8J	ARSENIC	12	NICKEL
32	BARIUM	870U	POTASSIUM
1U	BERYLLIUM	1.3	SELENIUM
3.3	CADMIUM	.43U	SILVER
55000	CALCIUM	1200	SODIUM
44	CHROMIUM	.43UJ	THALLIUM
2.7	COBALT	NA	TIN
20J	COPPER	28	VANADIUM
8700	IRON	76J	ZINC
35	LEAD	08	PERCENT MOISTURE
3000	MAGNESIUM		

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.

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47656 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-02
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1420 STOP: 00/00/00
MD NUMBER: T438

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
9900	ALUMINUM	52	MANGANESE
6.8UJ	ANTIMONY	.13UR	MERCURY
6.1J	ARSENIC	7.2	NICKEL
33	BARIUM	320U	POTASSIUM
1U	BERYLLIUM	.78U	SELENIUM
2U	CADMIUM	2U	SILVER
8300	CALCIUM	430U	SODIUM
20	CHROMIUM	.52UJ	THALLIUM
2.1	COBALT	NA	TIN
23J	COPPER	20	VANADIUM
7600	IRON	170J	ZINC
77	LEAD	24	PERCENT MOISTURE
840	MAGNESIUM		

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.

METALS DATA REPORT 08/09/90

SOURCE:TSTANADYNE3INC SAMPLE NO. 47657 SAMPLE TYPE: SOIL CITY: WASHINGTON COLLECTED ST: NCWILDE
STATION ID: SD-03 COLLECTION START: 06/12/90 1450 STOP: 00/00/00
CASE NUMBER: 14282 SAS NUMBER: MD NUMBER: T439

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
1200	ALUMINUM	4.2	MANGANESE
5.3UJ	ANTIMONY	.09UR	MERCURY
.61UR	ARSENIC	1.8U	NICKEL
3U	BARIUM	80U	POTASSIUM
.20U	BERYLLIUM	.61U	SELENIUM
.61U	CADMIUM	.41U	SILVER
70U	CALCIUM	80U	SODIUM
5.2	CHROMIUM	.41UJ	THALLIUM
.61U	COBALT	NA	TIN
11J	COPPER	3.9	VANADIUM
1200	IRON	20UJ	ZINC
5.7	LEAD	02	PERCENT MOISTURE
90U	MAGNESIUM		

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.

08/09/90

METALS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47665 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-04
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1250 STOP: 00/00/00
MD NUMBER: T613

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
80000	ALUMINUM	57	MANGANESE
5.6UJ	ANTIMONY	.10UR	MERCURY
2UJ	ARSENIC	4.9	NICKEL
24	BARIUM	550U	POTASSIUM
1U	BERYLLIUM	.64U	SELENIUM
.64U	CADMIUM	1U	SILVER
460U	CALCIUM	110U	SODIUM
9.6	CHROMIUM	.43UJ	THALLIUM
2	COBALT	NA	TIN
5.3J	COPPER	20	VANADIUM
9000	IRON	35J	ZINC
7.4	LEAD	07	PERCENT MOISTURE
830	MAGNESIUM		

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.

08/09/90

METALS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47653 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-01
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0845 STOP: 00/00/00
MD NUMBER: T441

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
4300	ALUMINUM	110	MANGANESE
6UJ	ANTIMONY	.10UR	MERCURY
2UJ	ARSENIC	3U	NICKEL
24	BARIUM	120U	POTASSIUM
1U	BERYLLIUM	.67U	SELENIUM
.67U	CADMIUM	.44U	SILVER
320U	CALCIUM	170U	SODIUM
4.3	CHROMIUM	.44UJ	THALLIUM
2U	COBALT	NA	TIN
4.9J	COPPER	6.2	VANADIUM
2800	IRON	6UJ	ZINC
4.2	LEAD	11	PERCENT MOISTURE
240	MAGNESIUM		

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.

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47661 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-02
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1115 STOP: 00/00/00
MD NUMBER: T444

ANALYTICAL RESULTS

MG/KG		MG/KG	
2700	ALUMINUM	26	MANGANESE
6.7UJ	ANTIMONY	.10UR	MERCURY
.78UR	ARSENIC	2.3U	NICKEL
14	BARIUM	100U	POTASSIUM
.26U	BERYLLIUM	.78U	SELENIUM
.78U	CADMIUM	.52U	SILVER
270U	CALCIUM	250U	SODIUM
3.6	CHROMIUM	.52UJ	THALLIUM
.78U	COBALT	NA	TIN
4.1UJ	COPPER	4.3	VANADIUM
1800	IRON	10UJ	ZINC
6.4	LEAD	23	PERCENT MOISTURE
130	MAGNESIUM		

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.

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47658 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-03
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1040 STOP: 00/00/00
MD NUMBER: T610

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3700	ALUMINUM	20	MANGANESE
5.7UJ	ANTIMONY	.10UR	MERCURY
.66UR	ARSENIC	2U	NICKEL
20U	BARIUM	80U	POTASSIUM
.22U	BERYLLIUM	.66U	SELENIUM
.66U	CADMIUM	.44U	SILVER
310U	CALCIUM	110U	SODIUM
4.6	CHROMIUM	.44UJ	THALLIUM
1U	COBALT	NA	TIN
3.5UJ	COPPER	8.7	VANADIUM
3900	IRON	6UJ	ZINC
4.4	LEAD	09	PERCENT MOISTURE
180	MAGNESIUM		

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.

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47666 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-04
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1320 STOP: 00/00/00
MD NUMBER: T615

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
2600	ALUMINUM	22	MANGANESE
5.2UJ	ANTIMONY	.10UR	MERCURY
2UJ	ARSENIC	1.8U	NICKEL
10U	BARIUM	140U	POTASSIUM
.20U	BERYLLIUM	.60U	SELENIUM
.60U	CADMIUM	.40U	SILVER
290U	CALCIUM	80U	SODIUM
4.8	CHROMIUM	.40UJ	THALLIUM
1.2	COBALT	NA	TIN
14J	COPPER	5.1	VANADIUM
2300	IRON	20UJ	ZINC
5.4	LEAD	02	PERCENT MOISTURE
160	MAGNESIUM		

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.

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47664 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-05
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1235 STOP: 00/00/00
MD NUMBER: T614

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3300	ALUMINUM	26	MANGANESE
5.4UJ	ANTIMONY	.10UR	MERCURY
2UJ	ARSENIC	2U	NICKEL
14	BARIUM	83	POTASSIUM
.21U	BERYLLIUM	.62U	SELENIUM
.62U	CADMIUM	.41U	SILVER
1400	CALCIUM	80U	SODIUM
4.6	CHROMIUM	.41UJ	THALLIUM
1U	COBALT	NA	TIN
7.3J	COPPER	5.6	VANADIUM
2300	IRON	20J	ZINC
15	LEAD	03	PERCENT MOISTURE
190	MAGNESIUM		

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.

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47652 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: TW-01 COLLECTION START: 06/13/90 0925 STOP: 00/00/00
CASE.NO.: 14282 SAS NO.: D. NO.: T443 MD NO: T443

RESULTS	UNITS	PARAMETER
10U	UG/L	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47663 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: TW-02 COLLECTION START: 06/13/90 1205 STOP: 00/00/00
CASE.NO.: 14282 SAS NO.: D. NO.: T609 MD NO: T609

RESULTS	UNITS	PARAMETER
10U	UG/L	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47660 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: TW-03 COLLECTION START: 06/13/90 1110 STOP: 00/00/00
CASE.NO.: 14282 SAS NO.: D. NO.: T612 MD NO: T612

RESULTS	UNITS	PARAMETER
10U	UG/L	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.

08/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47651 SAMPLE TYPE: SURFACEWA	PROG ELEM: NSF	COLLECTED BY: R WILDE
SOURCE: STANADYNE INC	CITY: WASHINGTON	ST: NC
STATION ID: PB-01	COLLECTION START: 06/12/90 0800	STOP: 00/00/00
CASE.NO.: 14282 SAS NO.:	D. NO.:	MD NO: T436

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 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47652 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: TW-01 COLLECTION START: 06/13/90 0925 STOP: 00/00/00
CASE NUMBER: 14282 SAS NUMBER: MD NUMBER: T443

ANALYTICAL RESULTS

UG/L		UG/L	
1600	ALUMINUM	30	MANGANESE
26UJ	ANTIMONY	.20UR	MERCURY
3UJ	ARSENIC	9U	NICKEL
50U	BARIUM	1400	POTASSIUM
1U	BERYLLIUM	2U	SELENIUM
3U	CADMIUM	2U	SILVER
16000	CALCIUM	2000U	SODIUM
2U	CHROMIUM	2U	THALLIUM
3U	COBALT	NA	TIN
16U	COPPER	2U	VANADIUM
820J	IRON	30U	ZINC
2U	LEAD		
1800	MAGNESIUM		

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 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47663 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: TW-02 COLLECTION START: 06/13/90 1205 STOP: 00/00/00
CASE NUMBER: 14282 SAS NUMBER: MD NUMBER: T609

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
3300	ALUMINUM	170	MANGANESE
26UJ	ANTIMONY	.20UR	MERCURY
3UJ	ARSENIC	9U	NICKEL
50U	BARIUM	850	POTASSIUM
1U	BERYLLIUM	2U	SELENIUM
3U	CADMIUM	2U	SILVER
9600	CALCIUM	1400	SODIUM
2U	CHROMIUM	2U	THALLIUM
3U	COBALT	NA	TIN
16U	COPPER	4U	VANADIUM
3400J	IRON	20U	ZINC
5	LEAD		
560	MAGNESIUM		

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

METALS DATA REPORT 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47660 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: TW-03 COLLECTION START: 06/13/90 1110 STOP: 00/00/00
CASE NUMBER: 14282 SAS NUMBER: MD NUMBER: T612

ANALYTICAL RESULTS

UG/L		UG/L	
2900	ALUMINUM	53	MANGANESE
26UJ	ANTIMONY	.20UR	MERCURY
3UJ	ARSENIC	9U	NICKEL
100	BARIUM	830	POTASSIUM
1U	BERYLLIUM	2U	SELENIUM
3U	CADMIUM	2U	SILVER
57000	CALCIUM	4000	SODIUM
4U	CHROMIUM	2U	THALLIUM
4U	COBALT	NA	TIN
16U	COPPER	8	VANADIUM
4800J	IRON	20U	ZINC
5	LEAD		
1500	MAGNESIUM		

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 08/09/90

PROJECT NO. 90-530 SAMPLE NO. 47651 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: R WIL
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: PB-01 COLLECTION START: 06/12/90 0800 STOP: 00/00/00
CASE NUMBER: 14282 SAS NUMBER: MD NUMBER: T436

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
110	ALUMINUM	5U	MANGANESE
26UJ	ANTIMONY	.20UR	MERCURY
3UJ	ARSENIC	9U	NICKEL
4U	BARIUM	350U	POTASSIUM
1U	BERYLLIUM	2U	SELENIUM
3U	CADMIUM	2U	SILVER
200U	CALCIUM	370U	SODIUM
2U	CHROMIUM	2U	THALLIUM
3U	COBALT	NA	TIN
16U	COPPER	2U	VANADIUM
30UJ	IRON	4U	ZINC
2U	LEAD		
50U	MAGNESIUM		

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

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47654 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0900 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T442

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
20U	METHYLENE CHLORIDE
30U	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
1J	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
15	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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47662 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SB-02

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1140 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T608

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
30U	METHYLENE CHLORIDE
14U	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
14U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
14U	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
14U	METHYL ISOBUTYL KETONE
14U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
27	PERCENT MOISTURE

REMARKS

REMARKS

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

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47659 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SB-03

CASE NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1050 STOP: 00/00/00

D. NO.: T611

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
50U	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
2J	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
16	PERCENT MOISTURE

REMARKS

REMARKS

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

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47655 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1345 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T437

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
20U	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
6	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
8	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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47656 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1420 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T438

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
20U	METHYLENE CHLORIDE
14U	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
14U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
14U	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
14U	METHYL ISOBUTYL KETONE
14U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
28	PERCENT MOISTURE

REMARKS

REMARKS

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

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47657 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1450 STOP: 00/00/00

CASE NO.: 14262 SAS NO.: D. NO.: T439

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
20U	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
7	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
7	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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47665 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-04

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1250 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T613

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
20U	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
8	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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47653 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0845 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T441

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
20U	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
2J	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
11	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.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47661 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1115 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T444

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
70U	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
13	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
6	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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47658 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-03

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1040 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T610

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
8U	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
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
11	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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47666 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1320 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T615

UG/KG	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
20U	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
2J	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
13	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
3	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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47664 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-05

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1235 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T614

UG/KG	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
20U	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
3	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.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47654 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0900 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T442

UG/KG	ANALYTICAL RESULTS
390U	PHENOL
390UR	BIS(2-CHLOROETHYL) ETHER
390U	2-CHLOROPHENOL
390U	1,3-DICHLOROBENZENE
390U	1,4-DICHLOROBENZENE
390U	BENZYL ALCOHOL
390U	1,2-DICHLOROBENZENE
390U	2-METHYLPHENOL
390U	BIS(2-CHLOROISOPROPYL) ETHER
390U	(3-AND/OR 4-)METHYLPHENOL
390U	N-NITROSODI-N-PROPYLAMINE
390UR	HEXACHLOROETHANE
390U	NITROBENZENE
390U	ISOPHORONE
390U	2-NITROPHENOL
390U	2,4-DIMETHYLPHENOL
1900U	BENZOIC ACID
390U	BIS(2-CHLOROETHOXY) METHANE
390U	2,4-DICHLOROPHENOL
390U	1,2,4-TRICHLOROBENZENE
390U	NAPHTHALENE
390U	4-CHLOROANILINE
390U	HEXACHLOROBUTADIENE
390U	4-CHLORO-3-METHYLPHENOL
390U	2-METHYLNAPHTHALENE
390U	HEXACHLOROCYCLOPENTADIENE (HCCP)
390U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
390U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
390U	DIMETHYL PHTHALATE
390U	ACENAPHTHYLENE
390U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
390U	ACENAPHTHENE
1900UJ	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
390U	DIBENZOFURAN
390U	2,4-DINITROTOLUENE
390U	DIETHYL PHTHALATE
390U	4-CHLOROPHENYL PHENYL ETHER
390U	FLUORENE
1900U	4-NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
390U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U	4-BROMOPHENYL PHENYL ETHER
390U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
390U	PHENANTHRENE
390U	ANTHRACENE
390U	DI-N-BUTYLPHTHALATE
390U	FLUORANTHENE
390U	PYRENE
390U	BENZYL BUTYL PHTHALATE
780U	3,3'-DICHLOROBENZIDINE
390U	BENZO(A)ANTHRACENE
390U	CHRYSENE
390U	BIS(2-ETHYLHEXYL) PHTHALATE
390U	DI-N-OCTYLPHTHALATE
390U	BENZO(B AND/OR K)FLUORANTHENE
390U	BENZO-A-PYRENE
390U	INDENO (1,2,3-CD) PYRENE
390U	DIBENZO(A,H)ANTHRACENE
390U	BENZO(GHI)PERYLENE
15	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.

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47662 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SB-02

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1140 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T608

UG/KG	ANALYTICAL RESULTS
400U	PHENOL
400UR	BIS(2-CHLOROETHYL) ETHER
400U	2-CHLOROPHENOL
400U	1,3-DICHLOROBENZENE
400U	1,4-DICHLOROBENZENE
400U	BENZYL ALCOHOL
400U	1,2-DICHLOROBENZENE
400U	2-METHYLPHENOL
400U	BIS(2-CHLOROISOPROPYL) ETHER
400U	(3-AND/OR 4-)METHYLPHENOL
400U	N-NITROSODI-N-PROPYLAMINE
400UR	HEXACHLOROETHANE
400U	NITROBENZENE
400U	ISOPHORONE
400U	2-NITROPHENOL
400U	2,4-DIMETHYLPHENOL
1900U	BENZOIC ACID
400U	BIS(2-CHLOROETHOXY) METHANE
400U	2,4-DICHLOROPHENOL
400U	1,2,4-TRICHLOROBENZENE
400U	NAPHTHALENE
400U	4-CHLOROANILINE
400U	HEXACHLOROBUTADIENE
400U	4-CHLORO-3-METHYLPHENOL
400U	2-METHYLNAPHTHALENE
400U	HEXACHLOROCYCLOPENTADIENE (HCCP)
400U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
400U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
400U	DIMETHYL PHTHALATE
400U	ACENAPHTHYLENE
400U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
400U	ACENAPHTHENE
1900UJ	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
400U	DIBENZOFURAN
400U	2,4-DINITROTOLUENE
400U	DIETHYL PHTHALATE
400U	4-CHLOROPHENYL PHENYL ETHER
400U	FLUORENE
1900U	4-NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
400U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
400U	4-BROMOPHENYL PHENYL ETHER
400U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
400U	PHENANTHRENE
400U	ANTHRACENE
400U	DI-N-BUTYLPHTHALATE
400U	FLUORANTHENE
400U	PYRENE
400U	BENZYL BUTYL PHTHALATE
800U	3,3'-DICHLOROBENZIDINE
400U	BENZO(A)ANTHRACENE
400U	CHRYSENE
400U	BIS(2-ETHYLHEXYL) PHTHALATE
400U	DI-N-OCTYLPHTHALATE
400U	BENZO(B AND/OR K)FLUORANTHENE
400U	BENZO-A-PYRENE
400U	INDENO (1,2,3-CD) PYRENE
400U	DIBENZO(A,H)ANTHRACENE
400U	BENZO(GHI)PERYLENE
17	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.

08/31/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47659 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SB-03

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1050 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T611

UG/KG	ANALYTICAL RESULTS
390U	PHENOL
390UR	BIS(2-CHLOROETHYL) ETHER
390U	2-CHLOROPHENOL
390U	1,3-DICHLOROBENZENE
390U	1,4-DICHLOROBENZENE
390U	BENZYL ALCOHOL
390U	1,2-DICHLOROBENZENE
390U	2-METHYLPHENOL
390U	BIS(2-CHLOROISOPROPYL) ETHER
390U	(3-AND/OR 4-)METHYLPHENOL
390U	N-NITROSODI-N-PROPYLAMINE
390UR	HEXACHLOROETHANE
390U	NITROBENZENE
390U	ISOPHORONE
390U	2-NITROPHENOL
390U	2,4-DIMETHYLPHENOL
1900U	BENZOIC ACID
390U	BIS(2-CHLOROETHOXY) METHANE
390U	2,4-DICHLOROPHENOL
390U	1,2,4-TRICHLOROBENZENE
390U	NAPHTHALENE
390U	4-CHLOROANILINE
390U	HEXACHLOROBUTADIENE
390U	4-CHLORO-3-METHYLPHENOL
390U	2-METHYLNAPHTHALENE
390U	HEXACHLOROCYCLOPENTADIENE (HCCP)
390U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
390U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
390U	DIMETHYL PHTHALATE
390U	ACENAPHTHYLENE
390U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
390U	ACENAPHTHENE
1900UJ	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
390U	DIBENZOFURAN
390U	2,4-DINITROTOLUENE
390U	DIETHYL PHTHALATE
390U	4-CHLOROPHENYL PHENYL ETHER
390U	FLUORENE
1900U	4-NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
390U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U	4-BROMOPHENYL PHENYL ETHER
390U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
390U	PHENANTHRENE
390U	ANTHRACENE
390U	DI-N-BUTYLPHTHALATE
390U	FLUORANTHENE
390U	PYRENE
390U	BENZYL BUTYL PHTHALATE
790U	3,3'-DICHLOROBENZIDINE
390U	BENZO(A)ANTHRACENE
390U	CHRYSENE
390U	BIS(2-ETHYLHEXYL) PHTHALATE
390U	DI-N-OCTYLPHTHALATE
390U	BENZO(B AND/OR K)FLUORANTHENE
390U	BENZO-A-PYRENE
390U	INDENO (1,2,3-CD) PYRENE
390U	DIBENZO(A,H)ANTHRACENE
390U	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.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47655 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1345 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T437

UG/KG	ANALYTICAL RESULTS
360U	PHENOL
360UR	BIS(2-CHLOROETHYL) ETHER
360U	2-CHLOROPHENOL
360U	1,3-DICHLOROBENZENE
360U	1,4-DICHLOROBENZENE
360U	BENZYL ALCOHOL
360U	1,2-DICHLOROBENZENE
360U	2-METHYLPHENOL
360U	BIS(2-CHLOROISOPROPYL) ETHER
360U	(3-AND/OR 4-)METHYLPHENOL
360U	N-NITROSODI-N-PROPYLAMINE
360UR	HEXACHLOROETHANE
360U	NITROBENZENE
360U	ISOPHORONE
360U	2-NITROPHENOL
360U	2,4-DIMETHYLPHENOL
1700U	BENZOIC ACID
360U	BIS(2-CHLOROETHOXY) METHANE
360U	2,4-DICHLOROPHENOL
360U	1,2,4-TRICHLOROBENZENE
360U	NAPHTHALENE
360U	4-CHLOROANILINE
360U	HEXACHLOROBUTADIENE
360U	4-CHLORO-3-METHYLPHENOL
360U	2-METHYLNAPHTHALENE
360U	HEXACHLOROCYCLOPENTADIENE (HCCP)
360U	2,4,6-TRICHLOROPHENOL
1700U	2,4,5-TRICHLOROPHENOL
360U	2-CHLORONAPHTHALENE
1700U	2-NITROANILINE
360U	DIMETHYL PHTHALATE
360U	ACENAPHTHYLENE
360U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1700U	3-NITROANILINE
360U	ACENAPHTHENE
1700UJ	2,4-DINITROPHENOL
1700U	4-NITROPHENOL
360U	DIBENZOFURAN
360U	2,4-DINITROTOLUENE
360U	DIETHYL PHTHALATE
360U	4-CHLOROPHENYL PHENYL ETHER
360U	FLUORENE
1700U	4-NITROANILINE
1700U	2-METHYL-4,6-DINITROPHENOL
360U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
360U	4-BROMOPHENYL PHENYL ETHER
360U	HEXACHLOROBENZENE (HCB)
1700U	PENTACHLOROPHENOL
69J	PHENANTHRENE
360U	ANTHRACENE
360U	DI-N-BUTYLPHTHALATE
290J	FLUORANTHENE
270J	PYRENE
360U	BENZYL BUTYL PHTHALATE
720U	3,3'-DICHLOROBENZIDINE
100J	BENZO(A)ANTHRACENE
200J	CHRYSENE
360U	BIS(2-ETHYLHEXYL) PHTHALATE
360U	DI-N-OCTYLPHTHALATE
470J	BENZO(B AND/OR K)FLUORANTHENE
180J	BENZO-A-PYRENE
170J	INDENO (1,2,3-CD) PYRENE
360U	DIBENZO(A,H)ANTHRACENE
160J	BENZO(GHI)PERYLENE
8	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.

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

** PROJECT NO. 90-530 SAMPLE NO. 47656 SAMPLE TYPE: SOIL
** SOURCE: STANADYNE INC
** STATION ID: SD-02
**
** CASE NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1420 STOP: 00/00/00

D. NO.: T438

UG/KG	ANALYTICAL RESULTS
460U	PHENOL
460UR	BIS(2-CHLOROETHYL) ETHER
460U	2-CHLOROPHENOL
460U	1,3-DICHLOROBENZENE
460U	1,4-DICHLOROBENZENE
460U	BENZYL ALCOHOL
460U	1,2-DICHLOROBENZENE
460U	2-METHYLPHENOL
460U	BIS(2-CHLOROISOPROPYL) ETHER
460U	(3-AND/OR 4-)METHYLPHENOL
460U	N-NITROSODI-N-PROPYLAMINE
460UR	HEXACHLOROETHANE
460U	NITROBENZENE
460U	ISOPHORONE
460U	2-NITROPHENOL
460U	2,4-DIMETHYLPHENOL
2200U	BENZOIC ACID
460U	BIS(2-CHLOROETHOXY) METHANE
460U	2,4-DICHLOROPHENOL
460U	1,2,4-TRICHLOROBENZENE
460U	NAPHTHALENE
460U	4-CHLOROANILINE
460U	HEXACHLOROBUTADIENE
460U	4-CHLORO-3-METHYLPHENOL
460U	2-METHYLNAPHTHALENE
460U	HEXACHLOROCYCLOPENTADIENE (HCCP)
460U	2,4,6-TRICHLOROPHENOL
2200U	2,4,5-TRICHLOROPHENOL
460U	2-CHLORONAPHTHALENE
2200U	2-NITROANILINE
460U	DIMETHYL PHTHALATE
460U	ACENAPHTHYLENE
460U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2200U	3-NITROANILINE
460U	ACENAPHTHENE
2200UJ	2,4-DINITROPHENOL
2200U	4-NITROPHENOL
460U	DIBENZOFURAN
460U	2,4-DINITROTOLUENE
460U	DIETHYL PHTHALATE
460U	4-CHLOROPHENYL PHENYL ETHER
460U	FLUORENE
2200U	4-NITROANILINE
2200U	2-METHYL-4,6-DINITROPHENOL
460U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
460U	4-BROMOPHENYL PHENYL ETHER
460U	HEXACHLOROBENZENE (HCB)
2200U	PENTACHLOROPHENOL
460U	PHENANTHRENE
460U	ANTHRACENE
460U	DI-N-BUTYLPHTHALATE
400J	FLUORANTHENE
400J	PYRENE
460U	BENZYL BUTYL PHTHALATE
920U	3,3'-DICHLOROBENZIDINE
140J	BENZO(A)ANTHRACENE
310J	CHRYSENE
460U	BIS(2-ETHYLHEXYL) PHTHALATE
460U	DI-N-OCTYLPHTHALATE
740J	BENZO(B AND/OR K)FLUORANTHENE
300J	BENZO-A-PYRENE
400J	INDENO (1,2,3-CD) PYRENE
460U	DIBENZO(A,H)ANTHRACENE
460U	BENZO(GHI)PERYLENE
28	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.

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47657 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1450 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T439

UG/KG	ANALYTICAL RESULTS
1600J	PHENOL
1800UR	BIS(2-CHLOROETHYL) ETHER
1800U	2-CHLOROPHENOL
1800U	1,3-DICHLOROBENZENE
1800U	1,4-DICHLOROBENZENE
1800U	BENZYL ALCOHOL
1800U	1,2-DICHLOROBENZENE
1800U	2-METHYLPHENOL
1800U	BIS(2-CHLOROISOPROPYL) ETHER
1800U	(3-AND/OR 4-)METHYLPHENOL
1800U	N-NITROSODI-N-PROPYLAMINE
1800UR	HEXACHLOROETHANE
1800U	NITROBENZENE
1800U	ISOPHORONE
1800U	2-NITROPHENOL
1800U	2,4-DIMETHYLPHENOL
8600U	BENZOIC ACID
1800U	BIS(2-CHLOROETHOXY) METHANE
1800U	2,4-DICHLOROPHENOL
1800U	1,2,4-TRICHLOROBENZENE
1800U	NAPHTHALENE
1800U	4-CHLOROANILINE
1800U	HEXACHLOROBUTADIENE
1800U	4-CHLORO-3-METHYLPHENOL
1800U	2-METHYLNAPHTHALENE
1800U	HEXACHLOROCYCLOPENTADIENE (HCCP)
1800U	2,4,6-TRICHLOROPHENOL
8600U	2,4,5-TRICHLOROPHENOL
1800U	2-CHLORONAPHTHALENE
8600U	2-NITROANILINE
1800U	DIMETHYL PHTHALATE
1800U	ACENAPHTHYLENE
1800U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
8600U	3-NITROANILINE
1800U	ACENAPHTHENE
8600UJ	2,4-DINITROPHENOL
8600U	4-NITROPHENOL
1800U	DIBENZOFURAN
1800U	2,4-DINITROTOLUENE
1800U	DIETHYL PHTHALATE
1800U	4-CHLOROPHENYL PHENYL ETHER
1800U	FLUORENE
8600U	4-NITROANILINE
8600U	2-METHYL-4,6-DINITROPHENOL
1800U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
1800U	4-BROMOPHENYL PHENYL ETHER
1800U	HEXACHLOROBENZENE (HCB)
8600U	PENTACHLOROPHENOL
1800U	PHENANTHRENE
1800U	ANTHRACENE
1800U	DI-N-BUTYLPHTHALATE
1800U	FLUORANTHENE
1800U	PYRENE
1800U	BENZYL BUTYL PHTHALATE
3500U	3,3'-DICHLOROBENZIDINE
1800U	BENZO(A)ANTHRACENE
1800U	CHRYSENE
1800U	BIS(2-ETHYLHEXYL) PHTHALATE
1800U	DI-N-OCTYLPHTHALATE
1800U	BENZO(B AND/OR K)FLUORANTHENE
1800U	BENZO-A-PYRENE
1800U	INDENO (1,2,3-CD) PYRENE
1800U	DIBENZO(A,H)ANTHRACENE
1800U	BENZO(GHI)PERYLENE
7	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.

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47665 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-04

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1250 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T613

UG/KG	ANALYTICAL RESULTS
360U	PHENOL
360UR	BIS(2-CHLOROETHYL) ETHER
360U	2-CHLOROPHENOL
360U	1,3-DICHLOROBENZENE
360U	1,4-DICHLOROBENZENE
360U	BENZYL ALCOHOL
360U	1,2-DICHLOROBENZENE
360U	2-METHYLPHENOL
360U	BIS(2-CHLOROISOPROPYL) ETHER
360U	(3-AND/OR 4-)METHYLPHENOL
360U	N-NITROSODI-N-PROPYLAMINE
360UR	HEXACHLOROETHANE
360U	NITROBENZENE
360U	ISOPHORONE
360U	2-NITROPHENOL
360U	2,4-DIMETHYLPHENOL
1700U	BENZOIC ACID
360U	BIS(2-CHLOROETHOXY) METHANE
360U	2,4-DICHLOROPHENOL
360U	1,2,4-TRICHLOROBENZENE
360U	NAPHTHALENE
360U	4-CHLOROANILINE
360U	HEXACHLOROBUTADIENE
360U	4-CHLORO-3-METHYLPHENOL
360U	2-METHYLNAPHTHALENE
360U	HEXACHLOROCYCLOPENTADIENE (HCCP)
360U	2,4,6-TRICHLOROPHENOL
1700U	2,4,5-TRICHLOROPHENOL
360U	2-CHLORONAPHTHALENE
1700U	2-NITROANILINE
360U	DIMETHYL PHTHALATE
360U	ACENAPHTHYLENE
360U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1700U	3-NITROANILINE
360U	ACENAPHTHENE
1700UJ	2,4-DINITROPHENOL
1700U	4-NITROPHENOL
360U	DIBENZOFURAN
360U	2,4-DINITROTOLUENE
360U	DIETHYL PHTHALATE
360U	4-CHLOROPHENYL PHENYL ETHER
360U	FLUORENE
1700U	4-NITROANILINE
1700U	2-METHYL-4,6-DINITROPHENOL
360U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
360U	4-BROMOPHENYL PHENYL ETHER
360U	HEXACHLOROBENZENE (HCB)
1700U	PENTACHLOROPHENOL
47J	PHENANTHRENE
360U	ANTHRACENE
360U	DI-N-BUTYLPHTHALATE
330J	FLUORANTHENE
250J	PYRENE
360U	BENZYL BUTYL PHTHALATE
720U	3,3'-DICHLOROBENZIDINE
100J	BENZO(A)ANTHRACENE
200J	CHRYSENE
360U	BIS(2-ETHYLHEXYL) PHTHALATE
360U	DI-N-OCTYLPHTHALATE
390J	BENZO(B AND/OR K)FLUORANTHENE
82J	BENZO-A-PYRENE
87J	INDENO (1,2,3-CD) PYRENE
360U	DIBENZO(A,H)ANTHRACENE
360U	BENZO(GHI)PERYLENE
8	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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*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 08/31/90

** PROJECT NO. 90-530 SAMPLE NO. 47653 SAMPLE TYPE:
** SOURCE:
** STATION ID: SS-01
**
** CASE NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0845 STOP: 00/00/00
D. NO.: T441

UG/KG	ANALYTICAL RESULTS
370U	PHENOL
370UR	BIS(2-CHLOROETHYL) ETHER
370U	2-CHLOROPHENOL
370U	1,3-DICHLOROBENZENE
370U	1,4-DICHLOROBENZENE
370U	BENZYL ALCOHOL
370U	1,2-DICHLOROBENZENE
370U	2-METHYLPHENOL
370U	BIS(2-CHLOROISOPROPYL) ETHER
370U	(3-AND/OR 4-)METHYLPHENOL
370U	N-NITROSODI-N-PROPYLAMINE
370UR	HEXACHLOROETHANE
370U	NITROBENZENE
370U	ISOPHORONE
370U	2-NITROPHENOL
370U	2,4-DIMETHYLPHENOL
1800U	BENZOIC ACID
370U	BIS(2-CHLOROETHOXY) METHANE
370U	2,4-DICHLOROPHENOL
370U	1,2,4-TRICHLOROBENZENE
370U	NAPHTHALENE
370U	4-CHLOROANILINE
370U	HEXACHLOROBUTADIENE
370U	4-CHLORO-3-METHYLPHENOL
370U	2-METHYLNAPHTHALENE
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)
370U	2,4,6-TRICHLOROPHENOL
1800U	2,4,5-TRICHLOROPHENOL
370U	2-CHLORONAPHTHALENE
1800U	2-NITROANILINE
370U	DIMETHYL PHTHALATE
370U	ACENAPHTHYLENE
370U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1800U	3-NITROANILINE
370U	ACENAPHTHENE
1800UJ	2,4-DINITROPHENOL
1800U	4-NITROPHENOL
370U	DIBENZOFURAN
370U	2,4-DINITROTOLUENE
370U	DIETHYL PHTHALATE
370U	4-CHLOROPHENYL PHENYL ETHER
370U	FLUORENE
1800U	4-NITROANILINE
1800U	2-METHYL-4,6-DINITROPHENOL
370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	4-BROMOPHENYL PHENYL ETHER
370U	HEXACHLOROBENZENE (HCB)
1800U	PENTACHLOROPHENOL
370U	PHENANTHRENE
370U	ANTHRACENE
370U	DI-N-BUTYLPHTHALATE
370U	FLUORANTHENE
370U	PYRENE
370U	BENZYL BUTYL PHTHALATE
740U	3,3'-DICHLOROBENZIDINE
370U	BENZO(A)ANTHRACENE
370U	CHRYSENE
370U	BIS(2-ETHYLHEXYL) PHTHALATE
370U	DI-N-OCTYLPHTHALATE
370U	BENZO(B AND/OR K)FLUORANTHENE
370U	BENZO-A-PYRENE
370U	INDENO (1,2,3-CD) PYRENE
370U	DIBENZO(A,H)ANTHRACENE
370U	BENZO(GHI)PERYLENE
11	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.

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47661 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1115 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T444

UG/KG	ANALYTICAL RESULTS
350U	PHENOL
350UR	BIS(2-CHLOROETHYL) ETHER
350U	2-CHLOROPHENOL
350U	1,3-DICHLOROBENZENE
350U	1,4-DICHLOROBENZENE
350U	BENZYL ALCOHOL
350U	1,2-DICHLOROBENZENE
350U	2-METHYLPHENOL
350U	BIS(2-CHLOROISOPROPYL) ETHER
350U	(3-AND/OR 4-)METHYLPHENOL
350U	N-NITROSODI-N-PROPYLAMINE
350UR	HEXACHLOROETHANE
350U	NITROBENZENE
350U	ISOPHORONE
350U	2-NITROPHENOL
350U	2,4-DIMETHYLPHENOL
1700U	BENZOIC ACID
350U	BIS(2-CHLOROETHOXY) METHANE
350U	2,4-DICHLOROPHENOL
350U	1,2,4-TRICHLOROBENZENE
350U	NAPHTHALENE
350U	4-CHLOROANILINE
350U	HEXACHLOROBUTADIENE
350U	4-CHLORO-3-METHYLPHENOL
350U	2-METHYLNAPHTHALENE
350U	HEXACHLOROCYCLOPENTADIENE (HCCP)
350U	2,4,6-TRICHLOROPHENOL
1700U	2,4,5-TRICHLOROPHENOL
350U	2-CHLORONAPHTHALENE
1700U	2-NITROANILINE
350U	DIMETHYL PHTHALATE
350U	ACENAPHTHYLENE
350U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1700U	3-NITROANILINE
350U	ACENAPHTHENE
1700UJ	2,4-DINITROPHENOL
1700U	4-NITROPHENOL
350U	DIBENZOFURAN
350U	2,4-DINITROTOLUENE
350U	DIETHYL PHTHALATE
350U	4-CHLOROPHENYL PHENYL ETHER
350U	FLUORENE
1700U	4-NITROANILINE
1700U	2-METHYL-4,6-DINITROPHENOL
350U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
350U	4-BROMOPHENYL PHENYL ETHER
350U	HEXACHLOROBENZENE (HCB)
1700U	PENTACHLOROPHENOL
350U	PHENANTHRENE
350U	ANTHRACENE
350U	DI-N-BUTYLPHTHALATE
350U	FLUORANTHENE
350U	PYRENE
350U	BENZYL BUTYL PHTHALATE
700U	3,3'-DICHLOROBENZIDINE
350U	BENZO(A)ANTHRACENE
350U	CHRYSENE
350U	BIS(2-ETHYLHEXYL) PHTHALATE
350U	DI-N-OCTYLPHTHALATE
350U	BENZO(B AND/OR K)FLUORANTHENE
350U	BENZO-A-PYRENE
350U	INDENO (1,2,3-CD) PYRENE
350U	DIBENZO(A,H)ANTHRACENE
350U	BENZO(GHI)PERYLENE
6	PERCENT MOISTURE

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

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

** PROJECT NO. 90-530 SAMPLE NO. 47658 SAMPLE TYPE: SOIL
** SOURCE: STANADYNE INC
** STATION ID: SS-03
**
** CASE NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1040 STOP: 00/00/00

D. NO.: T610

UG/KG	ANALYTICAL RESULTS
370U	PHENOL
370UR	BIS(2-CHLOROETHYL) ETHER
370U	2-CHLOROPHENOL
370U	1,3-DICHLOROBENZENE
370U	1,4-DICHLOROBENZENE
370U	BENZYL ALCOHOL
370U	1,2-DICHLOROBENZENE
370U	2-METHYLPHENOL
370U	BIS(2-CHLOROISOPROPYL) ETHER
370U	(3-AND/OR 4-)METHYLPHENOL
370U	N-NITROSODI-N-PROPYLAMINE
370UR	HEXACHLOROETHANE
370U	NITROBENZENE
370U	ISOPHORONE
370U	2-NITROPHENOL
370U	2,4-DIMETHYLPHENOL
1800U	BENZOIC ACID
370U	BIS(2-CHLOROETHOXY) METHANE
370U	2,4-DICHLOROPHENOL
370U	1,2,4-TRICHLOROBENZENE
370U	NAPHTHALENE
370U	4-CHLOROANILINE
370U	HEXACHLOROBUTADIENE
370U	4-CHLORO-3-METHYLPHENOL
370U	2-METHYLNAPHTHALENE
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)
370U	2,4,6-TRICHLOROPHENOL
1800U	2,4,5-TRICHLOROPHENOL
370U	2-CHLORONAPHTHALENE
1800U	2-NITROANILINE
370U	DIMETHYL PHTHALATE
370U	ACENAPHTHYLENE
370U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1800U	3-NITROANILINE
370U	ACENAPHTHENE
1800UJ	2,4-DINITROPHENOL
1800U	4-NITROPHENOL
370U	DIBENZOFURAN
370U	2,4-DINITROTOLUENE
370U	DIETHYL PHTHALATE
370U	4-CHLOROPHENYL PHENYL ETHER
370U	FLUORENE
1800U	4-NITROANILINE
1800U	2-METHYL-4,6-DINITROPHENOL
370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	4-BROMOPHENYL PHENYL ETHER
370U	HEXACHLOROBENZENE (HCB)
1800U	PENTACHLOROPHENOL
370U	PHENANTHRENE
370U	ANTHRACENE
370U	DI-N-BUTYLPHTHALATE
370U	FLUORANTHENE
370U	PYRENE
370U	BENZYL BUTYL PHTHALATE
740U	3,3'-DICHLOROBENZIDINE
370U	BENZO(A)ANTHRACENE
370U	CHRYSENE
370U	BIS(2-ETHYLHEXYL) PHTHALATE
370U	DI-N-OCTYLPHTHALATE
370U	BENZO(B AND/OR K)FLUORANTHENE
370U	BENZO-A-PYRENE
370U	INDENO (1,2,3-CD) PYRENE
370U	DIBENZO(A,H)ANTHRACENE
370U	BENZO(GHI)PERYLENE
11	PERCENT MOISTURE

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

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47666 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1320 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T615

UG/KG	ANALYTICAL RESULTS
340U	PHENOL
340UR	BIS(2-CHLOROETHYL) ETHER
340U	2-CHLOROPHENOL
340U	1,3-DICHLOROBENZENE
340U	1,4-DICHLOROBENZENE
340U	BENZYL ALCOHOL
340U	1,2-DICHLOROBENZENE
340U	2-METHYLPHENOL
340U	BIS(2-CHLOROISOPROPYL) ETHER
340U	(3-AND/OR 4-)METHYLPHENOL
340U	N-NITROSODI-N-PROPYLAMINE
340UR	HEXACHLOROETHANE
340U	NITROBENZENE
340U	ISOPHORONE
340U	2-NITROPHENOL
340U	2,4-DIMETHYLPHENOL
1600U	BENZOIC ACID
340U	BIS(2-CHLOROETHOXY) METHANE
340U	2,4-DICHLOROPHENOL
340U	1,2,4-TRICHLOROBENZENE
340U	NAPHTHALENE
340U	4-CHLOROANILINE
340U	HEXACHLOROBUTADIENE
340U	4-CHLORO-3-METHYLPHENOL
340U	2-METHYLNAPHTHALENE
340U	HEXACHLOROCYCLOPENTADIENE (HCCP)
340U	2,4,6-TRICHLOROPHENOL
1600U	2,4,5-TRICHLOROPHENOL
340U	2-CHLORONAPHTHALENE
1600U	2-NITROANILINE
340U	DIMETHYL PHTHALATE
340U	ACENAPHTHYLENE
340U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1600U	3-NITROANILINE
340U	ACENAPHTHENE
1600UJ	2,4-DINITROPHENOL
1600U	4-NITROPHENOL
340U	DIBENZOFURAN
340U	2,4-DINITROTOLUENE
340U	DIETHYL PHTHALATE
340U	4-CHLOROPHENYL PHENYL ETHER
340U	FLUORENE
1600U	4-NITROANILINE
1600U	2-METHYL-4,6-DINITROPHENOL
340U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
340U	4-BROMOPHENYL PHENYL ETHER
340U	HEXACHLOROBENZENE (HCB)
1600U	PENTACHLOROPHENOL
340U	PHENANTHRENE
340U	ANTHRACENE
340U	DI-N-BUTYLPHTHALATE
340U	FLUORANTHENE
340U	PYRENE
340U	BENZYL BUTYL PHTHALATE
680U	3,3'-DICHLOROBENZIDINE
340U	BENZO(A)ANTHRACENE
340U	CHRYSENE
340U	BIS(2-ETHYLHEXYL) PHTHALATE
340U	DI-N-OCTYLPHTHALATE
340U	BENZO(B AND/OR K)FLUORANTHENE
340U	BENZO-A-PYRENE
340U	INDENO (1,2,3-CD) PYRENE
340U	DIBENZO(A,H)ANTHRACENE
340U	BENZO(GHI)PERYLENE
3	PERCENT MOISTURE

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

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47664 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-05

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1235 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T614

UG/KG	ANALYTICAL RESULTS
340U	PHENOL
340UR	BIS(2-CHLOROETHYL) ETHER
340U	2-CHLOROPHENOL
340U	1,3-DICHLOROBENZENE
340U	1,4-DICHLOROBENZENE
340U	BENZYL ALCOHOL
340U	1,2-DICHLOROBENZENE
340U	2-METHYLPHENOL
340U	BIS(2-CHLOROISOPROPYL) ETHER
340U	(3-AND/OR 4-)METHYLPHENOL
340U	N-NITROSODI-N-PROPYLAMINE
340UR	HEXACHLOROETHANE
340U	NITROBENZENE
340U	ISOPHORONE
340U	2-NITROPHENOL
340U	2,4-DIMETHYLPHENOL
1600U	BENZOIC ACID
340U	BIS(2-CHLOROETHOXY) METHANE
340U	2,4-DICHLOROPHENOL
340U	1,2,4-TRICHLOROBENZENE
340U	NAPHTHALENE
340U	4-CHLOROANILINE
340U	HEXACHLOROBUTADIENE
340U	4-CHLORO-3-METHYLPHENOL
340U	2-METHYLNAPHTHALENE
340U	HEXACHLOROCYCLOPENTADIENE (HCCP)
340U	2,4,6-TRICHLOROPHENOL
1600U	2,4,5-TRICHLOROPHENOL
340U	2-CHLORONAPHTHALENE
1600U	2-NITROANILINE
340U	DIMETHYL PHTHALATE
340U	ACENAPHTHYLENE
340U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1600U	3-NITROANILINE
340U	ACENAPHTHENE
1600UJ	2,4-DINITROPHENOL
1600U	4-NITROPHENOL
340U	DIBENZOFURAN
340U	2,4-DINITROTOLUENE
340U	DIETHYL PHTHALATE
340U	4-CHLOROPHENYL PHENYL ETHER
340U	FLUORENE
1600U	4-NITROANILINE
1600U	2-METHYL-4,6-DINITROPHENOL
340U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
340U	4-BROMOPHENYL PHENYL ETHER
340U	HEXACHLOROBENZENE (HCB)
1600U	PENTACHLOROPHENOL
340U	PHENANTHRENE
340U	ANTHRACENE
340U	DI-N-BUTYLPHTHALATE
340U	FLUORANTHENE
340U	PYRENE
340U	BENZYL BUTYL PHTHALATE
680U	3,3'-DICHLOROBENZIDINE
340U	BENZO(A)ANTHRACENE
340U	CHRYSENE
340U	BIS(2-ETHYLHEXYL) PHTHALATE
340U	DI-N-OCTYLPHTHALATE
340U	BENZO(B AND/OR K)FLUORANTHENE
340U	BENZO-A-PYRENE
340U	INDENO (1,2,3-CD) PYRENE
340U	DIBENZO(A,H)ANTHRACENE
340U	BENZO(GHI)PERYLENE
3	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.

08/31/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47655 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: SD-01 COLLECTION START: 06/12/90 1345 STOP: 00/00/00
CASE.NO.: 14282 SAS NO.: D. NO.: T437 MD NO: T437

ANALYTICAL RESULTS UG/KG

N	PETROLEUM PRODUCT
10000J	15 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.

08/31/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47656 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-02
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1420 STOP: 00/00/00
D. NO.: T438 MD NO: T438

ANALYTICAL RESULTS UG/KG

6000J	9 UNIDENTIFIED COMPOUNDS
N	PETROLEUM PRODUCT
700JN	BENZOFLUORANTHENE (NOT B OR K)

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.

08/31/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47657 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-03
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 05/12/90 1450 STOP: 00/00/00
D. NO.: T439 MD NO: T439

ANALYTICAL RESULTS UG/KG

2000JN	BICYCLOOCTATRIENE
5000JN	DIMETHYLBENZENEMETHANOL
700JN	TETRAMETHYLBUTYLPHENOL
3000JN	PHOSPHORIC ACID, TRIPHENYLESTER
1000JN	METHYLPHENYLAZETIDINE

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

08/31/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47665 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: SD-04 COLLECTION START: 06/13/90 1250 STOP: 00/00/00
CASE NO.: 14282 SAS NO.: D. NO.: T613 MD NO: T613

ANALYTICAL RESULTS UG/KG

3000J	4 UNIDENTIFIED COMPOUNDS
-	OCTAHYDRODIMETHYL(METHYLETHYL)PHENANTHRENE
100JN	-CARBOXYLIC ACID, METHYLESTER
300JN	PHOSPHORIC ACID, TRIPHENYLESTER
100JN	METHYLPHENYLAZETIDINE
200JN	BENZOFLUORANTHENE (NOT B OR K)

FOOTNOTES
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MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47661 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SS-02
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1115 STOP: 00/00/00
D. NO.: T444 MD NO: T444

ANALYTICAL RESULTS UG/KG

400J 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.

08/31/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47664 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-05
CASE.NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1235 STOP: 00/00/00
D. NO.: T614 MD NO: T614

ANALYTICAL RESULTS UG/KG

600JN HYDROXYMETHYLDIMETHOXYFUROBENZOPYRANONE

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.

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47654 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SB-01
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0900 STOP: 00/00/00
D NUMBER: T442

UG/KG	ANALYTICAL RESULTS
9.4UJ	ALPHA-BHC
9.4UJ	BETA-BHC
9.4UJ	DELTA-BHC
9.4UJ	GAMMA-BHC (LINDANE)
9.4UJ	HEPTACHLOR
9.4UJ	ALDRIN
9.4UJ	HEPTACHLOR EPOXIDE
9.4UJ	ENDOSULFAN I (ALPHA)
19UJ	DIELDRIN
19UJ	4,4'-DDE (P,P'-DDE)
19UJ	ENDRIN
19UJ	ENDOSULFAN II (BETA)
19UJ	4,4'-DDD (P,P'-DDD)
19UJ	ENDOSULFAN SULFATE
19UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
94UJ	METHOXYCHLOR
19UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
94UJ	GAMMA-CHLORDANE /2
94UJ	ALPHA-CHLORDANE /2
190UJ	TOXAPHENE
94UJ	PCB-1016 (AROCLOR 1016)
94UJ	PCB-1221 (AROCLOR 1221)
94UJ	PCB-1232 (AROCLOR 1232)
94UJ	PCB-1242 (AROCLOR 1242)
94UJ	PCB-1248 (AROCLOR 1248)
190UJ	PCB-1254 (AROCLOR 1254)
190UJ	PCB-1260 (AROCLOR 1260)
15	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

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.

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47662 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SB-02
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1140 STOP: 00/00/00
D NUMBER: T608

UG/KG	ANALYTICAL RESULTS
9.6UJ	ALPHA-BHC
9.6UJ	BETA-BHC
9.6UJ	DELTA-BHC
9.6UJ	GAMMA-BHC (LINDANE)
9.6UJ	HEPTACHLOR
9.6UJ	ALDRIN
9.6UJ	HEPTACHLOR EPOXIDE
9.6UJ	ENDOSULFAN I (ALPHA)
19UJ	DIELDRIN
19UJ	4,4'-DDE (P,P'-DDE)
19UJ	ENDRIN
19UJ	ENDOSULFAN II (BETA)
19UJ	4,4'-DDD (P,P'-DDD)
19UJ	ENDOSULFAN SULFATE
19UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
96UJ	METHOXYCHLOR
19UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
96UJ	GAMMA-CHLORDANE /2
96UJ	ALPHA-CHLORDANE /2
190UJ	TOXAPHENE
96UJ	PCB-1016 (AROCLOR 1016)
96UJ	PCB-1221 (AROCLOR 1221)
96UJ	PCB-1232 (AROCLOR 1232)
96UJ	PCB-1242 (AROCLOR 1242)
96UJ	PCB-1248 (AROCLOR 1248)
190UJ	PCB-1254 (AROCLOR 1254)
190UJ	PCB-1260 (AROCLOR 1260)
	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

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.

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47659 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SB-03
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1050 STOP: 00/00/00
D. NUMBER: T611

UG/KG	ANALYTICAL RESULTS
9.5UJ	ALPHA-BHC
9.5UJ	BETA-BHC
9.5UJ	DELTA-BHC
9.5UJ	GAMMA-BHC (LINDANE)
9.5UJ	HEPTACHLOR
9.5UJ	ALDRIN
9.5UJ	HEPTACHLOR EPOXIDE
9.5UJ	ENDOSULFAN I (ALPHA)
19UJ	DIELDRIN
19UJ	4,4'-DDE (P,P'-DDE)
19UJ	ENDRIN
19UJ	ENDOSULFAN II (BETA)
19UJ	4,4'-DDD (P,P'-DDD)
19UJ	ENDOSULFAN SULFATE
19UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
95UJ	METHOXYCHLOR
19UJ	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
95UJ	GAMMA-CHLORDANE /2
95UJ	ALPHA-CHLORDANE /2
190UJ	TOXAPHENE
95UJ	PCB-1016 (AROCLOR 1016)
95UJ	PCB-1221 (AROCLOR 1221)
95UJ	PCB-1232 (AROCLOR 1232)
95UJ	PCB-1242 (AROCLOR 1242)
95UJ	PCB-1248 (AROCLOR 1248)
190UJ	PCB-1254 (AROCLOR 1254)
190UJ	PCB-1260 (AROCLOR 1260)
16	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

REMARKS

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

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47655 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-01
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1345 STOP: 00/00/00
ID NUMBER: T437

UG/KG	ANALYTICAL RESULTS
8.7UJ	ALPHA-BHC
8.7UJ	BETA-BHC
8.7UJ	DELTA-BHC
8.7UJ	GAMMA-BHC (LINDANE)
8.7UJ	HEPTACHLOR
8.7UJ	ALDRIN
8.7UJ	HEPTACHLOR EPOXIDE
8.7UJ	ENDOSULFAN I (ALPHA)
17UJ	DIELDRIN
17UJ	4,4'-DDE (P,P'-DDE)
17UJ	ENDRIN
17UJ	ENDOSULFAN II (BETA)
17UJ	4,4'-DDD (P,P'-DDD)
17UJ	ENDOSULFAN SULFATE
17UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
87UJ	METHOXYCHLOR
17UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
87UJ	GAMMA-CHLORDANE /2
87UJ	ALPHA-CHLORDANE /2
170UJ	TOXAPHENE
87UJ	PCB-1016 (AROCLOR 1016)
87UJ	PCB-1221 (AROCLOR 1221)
87UJ	PCB-1232 (AROCLOR 1232)
87UJ	PCB-1242 (AROCLOR 1242)
87UJ	PCB-1248 (AROCLOR 1248)
170UJ	PCB-1254 (AROCLOR 1254)
170UJ	PCB-1260 (AROCLOR 1260)
8	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

REMARKS

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

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47656 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-02
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1420 STOP: 00/00/00
D. NUMBER: T438

UG/KG	ANALYTICAL RESULTS
11UJ	ALPHA-BHC
11UJ	BETA-BHC
11UJ	DELTA-BHC
11UJ	GAMMA-BHC (LINDANE)
11UJ	HEPTACHLOR
11UJ	ALDRIN
11UJ	HEPTACHLOR EPOXIDE
11UJ	ENDOSULFAN I (ALPHA)
22UJ	DIELDRIN
22UJ	4,4'-DDE (P,P'-DDE)
22UJ	ENDRIN
22UJ	ENDOSULFAN II (BETA)
22UJ	4,4'-DDD (P,P'-DDD)
22UJ	ENDOSULFAN SULFATE
22UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110UJ	METHOXYCHLOR
22UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110UJ	GAMMA-CHLORDANE /2
110UJ	ALPHA-CHLORDANE /2
220UJ	TOXAPHENE
110UJ	PCB-1016 (AROCLOR 1016)
110UJ	PCB-1221 (AROCLOR 1221)
110UJ	PCB-1232 (AROCLOR 1232)
110UJ	PCB-1242 (AROCLOR 1242)
110UJ	PCB-1248 (AROCLOR 1248)
220UJ	PCB-1254 (AROCLOR 1254)
220UJ	PCB-1260 (AROCLOR 1260)
28	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

REMARKS

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

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47657 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-03
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 1450 STOP: 00/00/00
D. NUMBER: T439

UG/KG	ANALYTICAL RESULTS
8.6UJ	ALPHA-BHC
8.6UJ	BETA-BHC
8.6UJ	DELTA-BHC
8.6UJ	GAMMA-BHC (LINDANE)
8.6UJ	HEPTACHLOR
8.6UJ	ALDRIN
8.6UJ	HEPTACHLOR EPOXIDE
8.6UJ	ENDOSULFAN I (ALPHA)
17UJ	DIELDRIN
17UJ	4,4'-DDE (P,P'-DDE)
17UJ	ENDRIN
17UJ	ENDOSULFAN II (BETA)
17UJ	4,4'-DDD (P,P'-DDD)
17UJ	ENDOSULFAN SULFATE
17UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
86UJ	METHOXYCHLOR
17UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
86UJ	GAMMA-CHLORDANE /2
86UJ	ALPHA-CHLORDANE /2
170UJ	TOXAPHENE
86UJ	PCB-1016 (AROCLOR 1016)
86UJ	PCB-1221 (AROCLOR 1221)
86UJ	PCB-1232 (AROCLOR 1232)
86UJ	PCB-1242 (AROCLOR 1242)
86UJ	PCB-1248 (AROCLOR 1248)
170J	PCB-1254 (AROCLOR 1254)
170UJ	PCB-1260 (AROCLOR 1260)
7	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

REMARKS

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

PESTICIDES/PCB'S DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47665 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SD-04
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1250 STOP: 00/00/00
D. NUMBER: T613

UG/KG	ANALYTICAL RESULTS
8.7UJ	ALPHA-BHC
8.7UJ	BETA-BHC
8.7UJ	DELTA-BHC
8.7UJ	GAMMA-BHC (LINDANE)
8.7UJ	HEPTACHLOR
8.7UJ	ALDRIN
8.7UJ	HEPTACHLOR EPOXIDE
8.7UJ	ENDOSULFAN I (ALPHA)
17UJ	DIELDRIN
17UJ	4,4'-DDE (P,P'-DDE)
17UJ	ENDRIN
17UJ	ENDOSULFAN II (BETA)
17UJ	4,4'-DDD (P,P'-DDD)
17UJ	ENDOSULFAN SULFATE
17UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
87UJ	METHOXYCHLOR
17UJ	ENDRIN KETONE
—	CHLORDANE (TECH. MIXTURE) /1
87UJ	GAMMA-CHLORDANE /2
87UJ	ALPHA-CHLORDANE /2
170UJ	TOXAPHENE
87UJ	PCB-1016 (AROCLOR 1016)
87UJ	PCB-1221 (AROCLOR 1221)
87UJ	PCB-1232 (AROCLOR 1232)
87UJ	PCB-1242 (AROCLOR 1242)
87UJ	PCB-1248 (AROCLOR 1248)
170UJ	PCB-1254 (AROCLOR 1254)
170UJ	PCB-1260 (AROCLOR 1260)
8	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

REMARKS

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

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47653 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0845 STOP: 00/00/00
Q. NUMBER: T441

UG/KG	ANALYTICAL RESULTS
9.0UJ	ALPHA-BHC
9.0UJ	BETA-BHC
9.0UJ	DELTA-BHC
9.0UJ	GAMMA-BHC (LINDANE)
9.0UJ	HEPTACHLOR
9.0UJ	ALDRIN
9.0UJ	HEPTACHLOR EPOXIDE
9.0UJ	ENDOSULFAN I (ALPHA)
18UJ	DIELDRIN
18UJ	4,4'-DDE (P,P'-DDE)
18UJ	ENDRIN
18UJ	ENDOSULFAN II (BETA)
18UJ	4,4'-DDD (P,P'-DDD)
18UJ	ENDOSULFAN SULFATE
18UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
90UJ	METHOXYCHLOR
18UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
90UJ	GAMMA-CHLORDANE /2
90UJ	ALPHA-CHLORDANE /2
180UJ	TOXAPHENE
90UJ	PCB-1016 (AROCLOR 1016)
90UJ	PCB-1221 (AROCLOR 1221)
90UJ	PCB-1232 (AROCLOR 1232)
90UJ	PCB-1242 (AROCLOR 1242)
90UJ	PCB-1248 (AROCLOR 1248)
180UJ	PCB-1254 (AROCLOR 1254)
180UJ	PCB-1260 (AROCLOR 1260)
11	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

REMARKS

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

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47661 SAMPLE TYPE: SOIL
SOURCE:
STATION ID: SS-02
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1115 STOP: 00/00/00
D NUMBER: T444

UG/KG	ANALYTICAL RESULTS
8.5UJ	ALPHA-BHC
8.5UJ	BETA-BHC
8.5UJ	DELTA-BHC
8.5UJ	GAMMA-BHC (LINDANE)
8.5UJ	HEPTACHLOR
8.5UJ	ALDRIN
8.5UJ	HEPTACHLOR EPOXIDE
8.5UJ	ENDOSULFAN I (ALPHA)
17UJ	DIELDRIN
17UJ	4,4'-DDE (P,P'-DDE)
17UJ	ENDRIN
17UJ	ENDOSULFAN II (BETA)
17UJ	4,4'-DDD (P,P'-DDD)
17UJ	ENDOSULFAN SULFATE
17UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
85UJ	METHOXYCHLOR
17UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
85UJ	GAMMA-CHLORDANE /2
85UJ	ALPHA-CHLORDANE /2
170UJ	TOXAPHENE
85UJ	PCB-1016 (AROCLOR 1016)
85UJ	PCB-1221 (AROCLOR 1221)
85UJ	PCB-1232 (AROCLOR 1232)
85UJ	PCB-1242 (AROCLOR 1242)
85UJ	PCB-1248 (AROCLOR 1248)
170UJ	PCB-1254 (AROCLOR 1254)
170UJ	PCB-1260 (AROCLOR 1260)
6	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

REMARKS

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

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47658 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-03
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1040 STOP: 00/00/00
D NUMBER: T610

UG/KG	ANALYTICAL RESULTS
9.0UJ	ALPHA-BHC
9.0UJ	BETA-BHC
9.0UJ	DELTA-BHC
9.0UJ	GAMMA-BHC (LINDANE)
9.0UJ	HEPTACHLOR
9.0UJ	ALDRIN
9.0UJ	HEPTACHLOR EPOXIDE
9.0UJ	ENDOSULFAN I (ALPHA)
18UJ	DIELDRIN
18UJ	4,4'-DDE (P,P'-DDE)
18UJ	ENDRIN
18UJ	ENDOSULFAN II (BETA)
18UJ	4,4'-DDD (P,P'-DDD)
18UJ	ENDOSULFAN SULFATE
18UJ	4,4'-DDT (P,P'-DDT)
90UJ	METHOXYCHLOR
18UJ	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
90UJ	GAMMA-CHLORDANE /2
90UJ	ALPHA-CHLORDANE /2
180UJ	TOXAPHENE
90UJ	PCB-1016 (AROCLOR 1016)
90UJ	PCB-1221 (AROCLOR 1221)
90UJ	PCB-1232 (AROCLOR 1232)
90UJ	PCB-1242 (AROCLOR 1242)
90UJ	PCB-1248 (AROCLOR 1248)
180UJ	PCB-1254 (AROCLOR 1254)
180UJ	PCB-1260 (AROCLOR 1260)
11	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

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.

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47666 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-04
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1320 STOP: 00/00/00
D. NUMBER: T615

UG/KG	ANALYTICAL RESULTS
8.2UJ	ALPHA-BHC
8.2UJ	BETA-BHC
8.2UJ	DELTA-BHC
8.2UJ	GAMMA-BHC (LINDANE)
8.2UJ	HEPTACHLOR
8.2UJ	ALDRIN
8.2UJ	HEPTACHLOR EPOXIDE
8.2UJ	ENDOSULFAN I (ALPHA)
16UJ	DIELDRIN
16UJ	4,4'-DDE (P,P'-DDE)
16UJ	ENDRIN
16UJ	ENDOSULFAN II (BETA)
16UJ	4,4'-DDD (P,P'-DDD)
16UJ	ENDOSULFAN SULFATE
16UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
82UJ	METHOXYCHLOR
16UJ	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
82UJ	GAMMA-CHLORDANE /2
82UJ	ALPHA-CHLORDANE /2
160UJ	TOXAPHENE
82UJ	PCB-1016 (AROCLOR 1016)
82UJ	PCB-1221 (AROCLOR 1221)
82UJ	PCB-1232 (AROCLOR 1232)
82UJ	PCB-1242 (AROCLOR 1242)
82UJ	PCB-1248 (AROCLOR 1248)
160UJ	PCB-1254 (AROCLOR 1254)
160UJ	PCB-1260 (AROCLOR 1260)
3	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

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.

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47664 SAMPLE TYPE: SOIL
SOURCE: STANADYNE INC
STATION ID: SS-05
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1235 STOP: 00/00/00
D. NUMBER: T614

UG/KG	ANALYTICAL RESULTS
8.2UJ	ALPHA-BHC
8.2UJ	BETA-BHC
8.2UJ	DELTA-BHC
8.2UJ	GAMMA-BHC (LINDANE)
8.2UJ	HEPTACHLOR
8.2UJ	ALDRIN
8.2UJ	HEPTACHLOR EPOXIDE
8.2UJ	ENDOSULFAN I (ALPHA)
16UJ	DIELDRIN
16UJ	4,4'-DDE (P,P'-DDE)
16UJ	ENDRIN
16UJ	ENDOSULFAN II (BETA)
16UJ	4,4'-DDD (P,P'-DDD)
16UJ	ENDOSULFAN SULFATE
16UJ	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
82UJ	METHOXYCHLOR
16UJ	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
82UJ	GAMMA-CHLORDANE /2
82UJ	ALPHA-CHLORDANE /2
160UJ	TOXAPHENE
82UJ	PCB-1016 (AROCLOR 1016)
82UJ	PCB-1221 (AROCLOR 1221)
82UJ	PCB-1232 (AROCLOR 1232)
82UJ	PCB-1242 (AROCLOR 1242)
82UJ	PCB-1248 (AROCLOR 1248)
160UJ	PCB-1254 (AROCLOR 1254)
160UJ	PCB-1260 (AROCLOR 1260)
3	PERCENT MOISTURE

REMARKS
EXCESSIVE HOLDING TIME

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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47652 SAMPLE TYPE: GROUNDWA
SOURCE: STANADYNE INC
STATION ID: TW-01

PROG ELEM: NSF COLLECTED BY R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0925 STOP: 00/00/00

CASE NO.: 14262 SAS NO.: D. NO.: T443

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE	5U	1,2-DICHLOROPROPANE
10U	BROMOMETHANE	5U	CIS-1,3-DICHLOROPROPENE
10U	VINYL CHLORIDE	5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10U	CHLOROETHANE	5U	DIBROMOCHLOROMETHANE
5U	METHYLENE CHLORIDE	5U	1,1,2-TRICHLOROETHANE
20U	ACETONE	5U	BENZENE
5U	CARBON DISULFIDE	5U	TRANS-1,3-DICHLOROPROPENE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	5U	BROMOFORM
5U	1,1-DICHLOROETHANE	10U	METHYL ISOBUTYL KETONE
5U	1,2-DICHLOROETHENE (TOTAL)	10U	METHYL BUTYL KETONE
5U	CHLOROFORM	5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,2-DICHLOROETHANE	5U	1,1,2,2-TETRACHLOROETHANE
10U	METHYL ETHYL KETONE	5U	TOLUENE
5U	1,1,1-TRICHLOROETHANE	5U	CHLOROBENZENE
5U	CARBON TETRACHLORIDE	5U	ETHYL BENZENE
10U	VINYL ACETATE	5U	STYRENE
5U	BROMODICHLOROMETHANE	5U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NA1-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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47663 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1205 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T609

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
20U	METHYLENE CHLORIDE
20U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
1J	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	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.

PURGEABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47660 SAMPLE TYPE: GROUNDWA
SOURCE: STANADYNE INC
STATION ID: TW-03

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1110 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T612

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE	5U	1,2-DICHLOROPROPANE
10U	BROMOMETHANE	5U	CIS-1,3-DICHLOROPROPENE
10U	VINYL CHLORIDE	5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10U	CHLOROETHANE	5U	DIBROMOCHLOROMETHANE
5U	METHYLENE CHLORIDE	5U	1,1,2-TRICHLOROETHANE
10U	ACETONE	5U	BENZENE
5U	CARBON DISULFIDE	5U	TRANS-1,3-DICHLOROPROPENE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	5U	BROMOFORM
5U	1,1-DICHLOROETHANE	10U	METHYL ISOBUTYL KETONE
5U	1,2-DICHLOROETHENE (TOTAL)	10U	METHYL BUTYL KETONE
5U	CHLOROFORM	5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,2-DICHLOROETHANE	5U	1,1,2,2-TETRACHLOROETHANE
10U	METHYL ETHYL KETONE	5U	TOLUENE
5U	1,1,1-TRICHLOROETHANE	5U	CHLOROBENZENE
5U	CARBON TETRACHLORIDE	5U	ETHYL BENZENE
10U	VINYL ACETATE	5U	STYRENE
5U	BROMODICHLOROMETHANE	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.

08/31/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47671 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: TB-01 COLLECTION START: 06/12/90 0800 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T436

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE	5U	1,2-DICHLOROPROPANE
10U	BROMOMETHANE	5U	CIS-1,3-DICHLOROPROPENE
10U	VINYL CHLORIDE	5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10U	CHLOROETHANE	5U	DIBROMOCHLOROMETHANE
5U	METHYLENE CHLORIDE	5U	1,1,2-TRICHLOROETHANE
20U	ACETONE	5U	BENZENE
5U	CARBON DISULFIDE	5U	TRANS-1,3-DICHLOROPROPENE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	5U	BROMOFORM
5U	1,1-DICHLOROETHANE	10U	METHYL ISOBUTYL KETONE
5U	1,2-DICHLOROETHENE (TOTAL)	10U	METHYL BUTYL KETONE
5U	CHLOROFORM	5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,2-DICHLOROETHANE	5U	1,1,2,2-TETRACHLOROETHANE
10U	METHYL ETHYL KETONE	5U	TOLUENE
5U	1,1,1-TRICHLOROETHANE	5U	CHLOROBENZENE
5U	CARBON TETRACHLORIDE	5U	ETHYL BENZENE
10U	VINYL ACETATE	5U	STYRENE
5U	BROMODICHLOROMETHANE	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.

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47652 SAMPLE TYPE: GROUNDWA
SOURCE: STANADYNE INC
STATION ID: TW-01

PROG ELEM: NSF COLLED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0925 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.. T443

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
10UR	(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
10UR	DIMETHYL PHTHALATE
10UJ	ACENAPHTHYLENE
10UJ	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50UJ	3-NITROANILINE
10UJ	ACENAPHTHENE
50UJ	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
10UR	BENZO(B AND/OR K)FLUORANTHENE
10UJ	BENZO-A-PYRENE
10UJ	INDENO (1,2,3-CD) PYRENE
10UJ	DIBENZO(A,H)ANTHRACENE
10UR	BENZO(GHI)PERYLENE

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

REMARKS

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

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47663 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1205 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T609

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
10UR	(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
10UR	DIMETHYL PHTHALATE
10UJ	ACENAPHTHYLENE
10UJ	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50UJ	3-NITROANILINE
10UJ	ACENAPHTHENE
50UJ	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
10UR	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
10UR	BENZO(GHI)PERYLENE

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

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 08/31/90

PROJECT NO. 90-530 SAMPLE NO. 47660 SAMPLE TYPE: GROUNDWA
SOURCE: STANADYNE INC
STATION ID: TW-03

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1110 STOP: 00/00/00

CASE NO.: 14282 SAS NO.: D. NO.: T612

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
10UR	(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
10UR	ACENAPHTHYLENE
10UJ	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50UJ	3-NITROANILINE
10UJ	ACENAPHTHENE
50UJ	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
10UR	BENZO(B AND/OR K)FLUORANTHENE
10UJ	BENZO-A-PYRENE
10UJ	INDENO (1,2,3-CD) PYRENE
10UJ	DIBENZO(A,H)ANTHRACENE
10UR	BENZO(GHI)PERYLENE

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

REMARKS

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

EXTRACTABLE ORGANICS DATA REPORT 08/31/90

** PROJECT NO. 90-530 SAMPLE NO. 47671 SAMPLE TYPE: SURFACEWA
** SOURCE: STANADYNE INC
** STATION ID: TB-01
**
** CASE NO.: 14282 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/12/90 0800 STOP: 00/00/00

D. NO.: T436

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
10UR	(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
10UR	DIMETHYL PHTHALATE
10UJ	ACENAPHTHYLENE
10UJ	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50UJ	3-NITROANILINE
10UJ	ACENAPHTHENE
50UJ	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
10UR	BENZO(B AND/OR K)FLUORANTHENE
10UJ	BENZO-A-PYRENE
10UJ	INDENO (1,2,3-CD) PYRENE
10UJ	DIBENZO(A,H)ANTHRACENE
10UR	BENZO(GHI)PERYLENE

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

REMARKS

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

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47652 SAMPLE TYPE: GROUNDWA
SOURCE: STANADYNE INC
STATION ID: TW-01
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 0925 STOP: 00/00/00
ID NUMBER: T443

UG/L	ANALYTICAL RESULTS
0.05UJ	ALPHA-BHC
0.05UJ	BETA-BHC
0.05UJ	DELTA-BHC
0.05UJ	GAMMA-BHC (LINDANE)
0.05UJ	HEPTACHLOR
0.05UJ	ALDRIN
0.05UJ	HEPTACHLOR EPOXIDE
0.05UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.00UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB-1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.00UJ	PCB-1254 (AROCLOR 1254)
1.00UJ	PCB-1260 (AROCLOR 1260)

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.

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47663 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1205 STOP: 00/00/00
D NUMBER: T609

UG/L	ANALYTICAL RESULTS
0.05UJ	ALPHA-BHC
0.05UJ	BETA-BHC
0.05UJ	DELTA-BHC
0.05UJ	GAMMA-BHC (LINDANE)
0.05UJ	HEPTACHLOR
0.05UJ	ALDRIN
0.05UJ	HEPTACHLOR EPOXIDE
0.05UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.00UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB-1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.00UJ	PCB-1254 (AROCLOR 1254)
1.00UJ	PCB-1260 (AROCLOR 1260)

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.

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47660 SAMPLE TYPE: GROUNDWA
SOURCE: STANADYNE INC
STATION ID: TW-03
CASE NUMBER: 14282 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R WILDE
CITY: WASHINGTON ST: NC
COLLECTION START: 06/13/90 1110 STOP: 00/00/00
D. NUMBER: T612

UG/L	ANALYTICAL RESULTS
0.05UJ	ALPHA-BHC
0.05UJ	BETA-BHC
0.05UJ	DELTA-BHC
0.05UJ	GAMMA-BHC (LINDANE)
0.05UJ	HEPTACHLOR
0.05UJ	ALDRIN
0.05UJ	HEPTACHLOR EPOXIDE
0.05UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.00UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB-1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.00UJ	PCB-1254 (AROCLOR 1254)
1.00UJ	PCB-1260 (AROCLOR 1260)

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.

08/31/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-530 SAMPLE NO. 47671 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: R WILDE
SOURCE: STANADYNE INC CITY: WASHINGTON ST: NC
STATION ID: TB-01 COLLECTION START: 06/12/90 0800 STOP: 00/00/00
CASE NUMBER: 14282 SAS NUMBER: D NUMBER: T436

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
0.05UJ	ALPHA-BHC	0.50UJ	METHOXYCHLOR
0.05UJ	BETA-BHC	0.10UJ	ENDRIN KETONE
0.05UJ	DELTA-BHC		CHLORDANE (TECH. MIXTURE) /1
0.05UJ	GAMMA-BHC (LINDANE)	0.50UJ	GAMMA-CHLORDANE /2
0.05UJ	HEPTACHLOR	0.50UJ	ALPHA-CHLORDANE /2
0.05UJ	ALDRIN	1.00UJ	TOXAPHENE
0.05UJ	HEPTACHLOR EPOXIDE	0.50UJ	PCB-1016 (AROCLOR 1016)
0.05UJ	ENDOSULFAN I (ALPHA)	0.50UJ	PCB-1221 (AROCLOR 1221)
0.10UJ	DIELDRIN	0.50UJ	PCB-1232 (AROCLOR 1232)
0.10UJ	4,4'-DDE (P,P'-DDE)	0.50UJ	PCB-1242 (AROCLOR 1242)
0.10UJ	ENDRIN	0.50UJ	PCB-1248 (AROCLOR 1248)
0.10UJ	ENDOSULFAN II (BETA)	1.00UJ	PCB-1254 (AROCLOR 1254)
0.10UJ	4,4'-DDD (P,P'-DDD)	1.00UJ	PCB-1260 (AROCLOR 1260)
0.10UJ	ENDOSULFAN SULFATE		
0.10UJ	4,4'-DDT (P,P'-DDT)		

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

REMARKS

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