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FINAL REPORT

SITE INSPECTION
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA
EPA ID #: NCD003164464

Prepared Under
TDD No. F4-9007-25
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FOR THE

WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

JUNE 18, 1991

CERCLA

NUS CORPORATION
SUPERFUND DIVISION

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EXECUTIVE SUMMARY

The Uniroyal, Inc. Uniroyal Chemical Company facility is located in the southeast section of Gastonia, North Carolina. The facility is situated on an 8.75-acre tract of property at 214 West Ruby Street. The facility began operating in 1955 under the ownership of Uniroyal, Incorporated, who is still the current owner. The facility is primarily involved in the production of herbicides and pesticides. Additionally, fungicides, polyurethane prepolymers, rubber labels, and plastic drum covers also have been produced. Wastes generated through facility operations include filtering and processing wastes, waste bags and raw material containers. Until 1983, an onsite waste pile was previously utilized for the storage of thiuram, maleic hydrazide, and phthalic anhydride. In 1974, an accidental spill involving 25 gallons of dinitrobutylphenol resulted in a release to the Gastonia municipal sewer system. A fish kill in Catawba Creek resulted from the spill, and Uniroyal Chemical was held responsible for the cost of an investigation and replacing the fish.

The facility is located in the Piedmont Physiographic Province and Piedmont and Blue Ridge hydrogeologic setting. The region is characterized by an underlying, relatively thick layer of residual soil and saprolite. Fractured and faulted igneous and metamorphic rock underlie the residual soil and saprolite of the Kings Mountain geologic belt. Groundwater is obtained from joints, fractures, and other secondary openings in the crystalline bedrock and primary pore spaces within the overlying residual soil material. These units comprise the unconfined, residual soil/fractured crystalline rock aquifer system.

The surface water pathway is of primary concern for this facility. Since a large portion of the property is covered with asphalt, most precipitation is directed into drainage basins located at topographical low points on the facility. These drainage basins collect and hold run-off before it is discharged to drainage ditches which drain to Catawba Creek. Recreational fishing is a common use of Catawba Creek, and recreational fishing, boating, and swimming are key uses of Lake Wylie, located downstream from Catawba Creek.

The groundwater pathway was also evaluated. Although there is no information available to indicate how long the facility has been covered in asphalt, there is believed to have been substantial containment over the facility for a number of years to preclude any substantial migration of contaminants into the groundwater table. Approximately 50 homes within 3 miles and 675 homes within 3 to 4 miles from the facility obtain potable water from private wells. The nearest potable well is located approximately 1.2 miles south of the facility.

Fifteen environmental samples were collected during the field investigation associated with this study. The downgradient surface water sample collected from Catawba Creek contained no organic or inorganic contaminants. Sediment samples collected from onsite drainage ditches and from Catawba Creek contained miscellaneous unidentified organic compounds and 10 metals detected at elevated concentrations. Seven elevated metals and no organic compounds were reported for the subsurface soil sample. Surface soil samples contained a total of 19 metals at elevated levels, 10 Target Compound List organic compounds at elevated levels, and 23 miscellaneous, extractable organic compounds.

Predominant heavy metals detected throughout the samples were arsenic, lead, chromium, and zinc. Salt-forming metals such as calcium, magnesium, and potassium were also reported at many times the background level. Heavy metals and salt-forming metals are used in polyurethane and fungicide production. Many polynuclear aromatic compounds were reported in surface soil samples. These compounds are released by asphalt which covers much of the facility. Two pesticides, Propargite and Endosulfan I (Alpha), were reported and are typical of products manufactured by Uniroyal. Sample results indicated the presence of bis (2-ethylhexyl) phthalate and phthalic anhydride, plasticizers. Other organic compounds may be related to solvents, chemical intermediates, or degradation products representative of the diverse activities at Uniroyal.

Based on the analysis of possible migration pathways, the results of the sampling investigation, and the information obtained from the references, FIT 4 recommends that this site be evaluated using the HRS (effective March 14, 1991).

1.0 INTRODUCTION

The HALLIBURTON NUS Environmental Corporation Region 4 Field Investigation Team (FIT) was tasked by the U.S. Environmental Protection Agency (EPA), Waste Management Division to conduct a Site Inspection (SI) at the Uniroyal, Inc. Uniroyal Chemical Company facility in Gastonia, Gaston 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 F4-9007-25. The field investigation was conducted August 20-22, 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.
- Evaluate potentially affected populations and environments associated with the groundwater, surface water, air, and onsite exposure pathways.
- Develop a site sketch.

- Collect environmental samples.

- Incorporate obtainable information into the site investigation form.

2.0 SITE CHARACTERIZATION

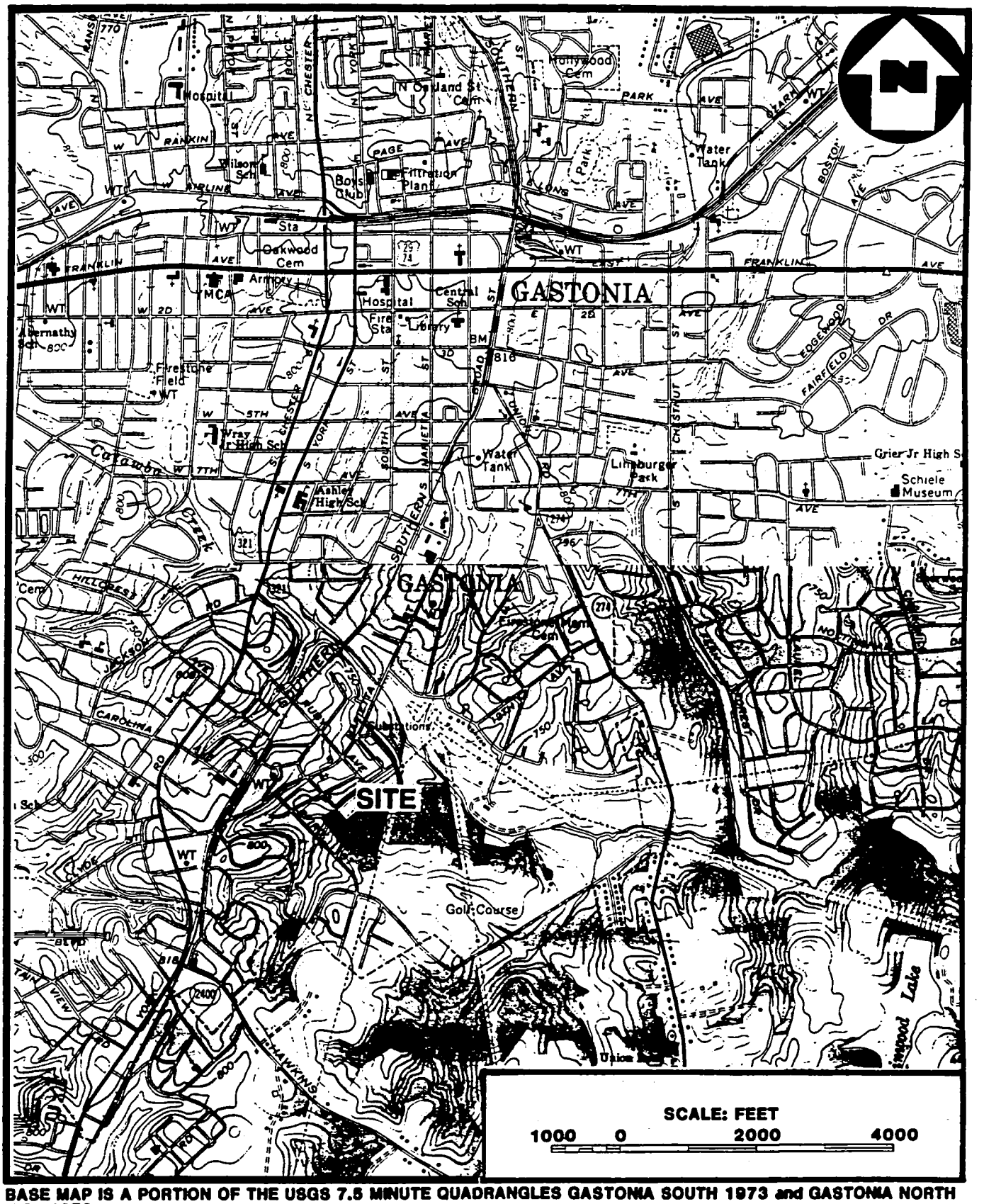
2.1 SITE BACKGROUND AND HISTORY

The Uniroyal, Inc. Uniroyal Chemical Company facility is located at 214 West Ruby Street in the southeast section of Gastonia, North Carolina (Ref. 1; Appendix A). The facility location is shown on Figure 1, and the facility layout is shown on Figure 2. Uniroyal, Incorporated has been the site owner and operator since the plant was built (Ref. 2). The facility first began operation in 1955 for the purpose of producing chemicals for agricultural usage (Ref. 3). Products manufactured in the past at the facility include pesticides, growth regulants, fungicides, rubber labels, and plastic drum covers (Refs. 2, 3, 4).

Currently, the facility manufactures agricultural products, polyurethane prepolymers and rubber labels (Ref. 5). Wastes generated from facility operations include filtering and processing wastes as well as wastes generated from the handling of waste bags and containers for raw materials (Ref. 1). Storage of hazardous waste on the plant premises in the past has been confined to laboratory waste, which was stored in 55-gallon, DOT 17-E drums, on a covered, diked, concrete slab (Ref. 2). Until 1983, an onsite waste pile was utilized for the storage of thiuram, maleic hydrazide, and phthalic anhydride (Ref. 4).

In 1974, 25 gallons of dinitrobutylphenol were accidentally released from a containment sump, resulting in a release to the Gastonia municipal sewer system. An investigation conducted by the North Carolina Water Quality Section concluded that there was no lasting effect of the release. A fish kill, however, in Catawba Creek resulted from the spill, and Uniroyal Chemical was held responsible for the cost of an investigation and replacing the fish (Ref. 2).

Uniroyal Chemical filed a Resource Conservation and Recovery Act (RCRA) Part A Hazardous Waste Permit application as a storage facility in November 1980 (Ref. 3). In 1983, Uniroyal, Inc. advised the North Carolina Solid and Hazardous Waste Management Branch that they had deleted all but one hazardous waste (ignitable and toxic waste) from the application for a permit to store hazardous waste (Ref. 6). Uniroyal Chemical asked to be deleted as a storage facility in September 1983 (Ref. 7). In December 1983, the company was deleted as a storage facility (Ref. 8). The state of North Carolina denied Uniroyal a permit as a TSD facility in September 1984 (Ref. 9). A RCRA compliance inspection



BASE MAP IS A PORTION OF THE USGS 7.5 MINUTE QUADRANGLES GASTONIA SOUTH 1973 and GASTONIA NORTH N.C., 1970.

SITE LOCATION MAP
UNIROYAL INC. UNIROYAL CHEMICAL CO.
GASTONIA, GASTON COUNTY, NORTH CAROLINA

FIGURE 1

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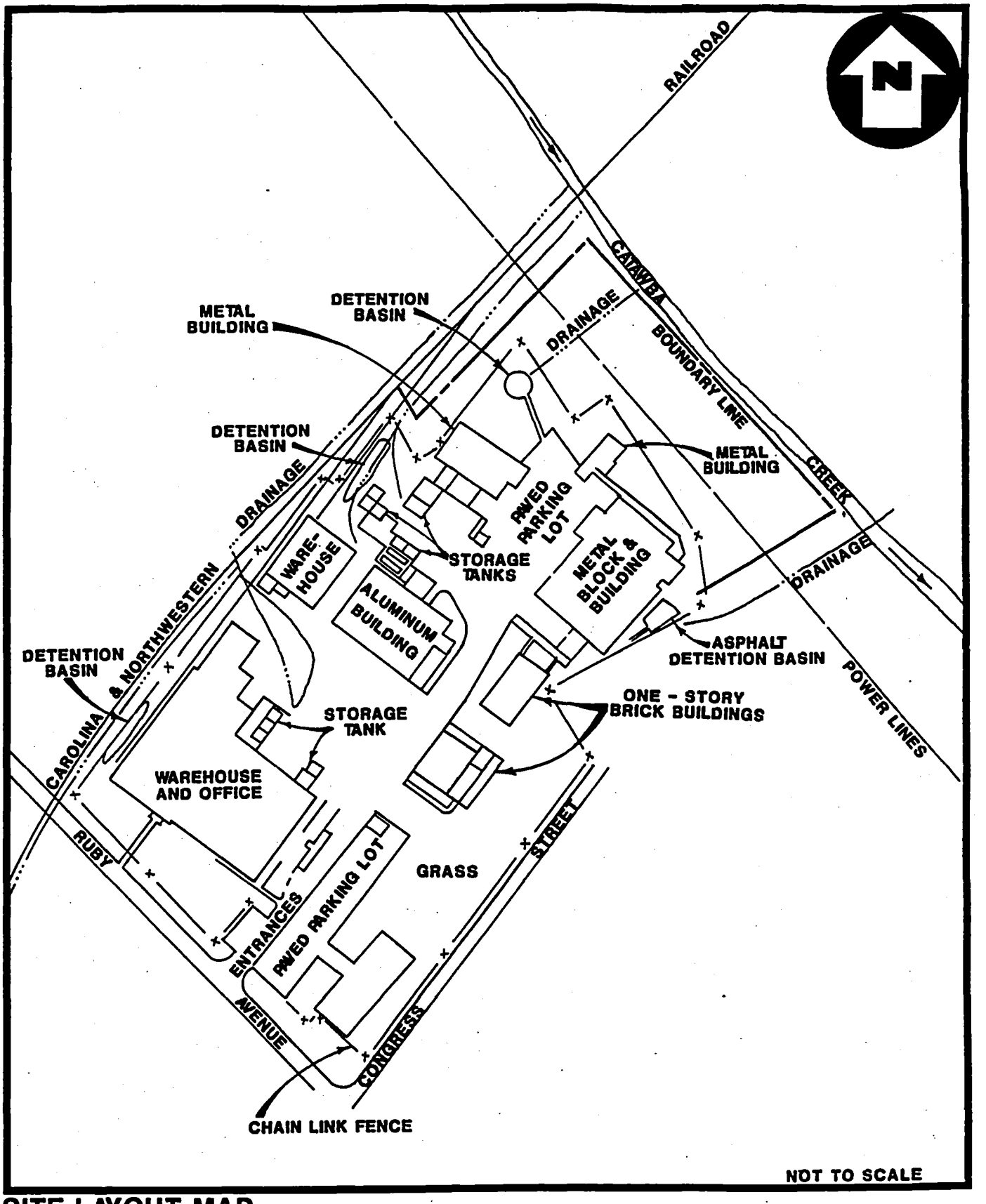


SITE LAYOUT MAP
UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

FIGURE 2

NUS CORPORATION

conducted in November 1986, revealed that the facility was in compliance with applicable generator standards (Ref. 1). Uniroyal is currently listed as a RCRA generator (Ref. 10).

2.2 SITE DESCRIPTION

2.2.1 Site Features

Uniroyal, Inc. Uniroyal Chemical Company is an active, industrial facility located adjacent to the intersection of Catawba Creek and the Carolina and Northwestern Railroad (Ref. 11, Figure 1). The facility occupies the tract of property situated between Congress Street to the east, Ruby Avenue to the south, and a Carolina and Northwestern Railroad line to the west (Appendix A) (Figure 2). The topography of the plant area is characterized by gently rolling hills with topographic relief approaching approximately 150 feet (Appendix A). Drainage from the facility flows northeast and enters Catawba Creek (Appendix A) (Figure 2). The plant property is 8.75 acres in size and is comprised of approximately eight buildings and supporting facilities, parking areas, concrete and asphalt-lined detention basins, and a railroad spur line (Ref. 11, Appendix A) (Figure 2). Facility areas of greatest environmental concern include those near onsite storage tanks, detention basins, and a drum storage area (Ref. 11) (Figure 2).

There are four distinct drainage pathways which collect and channel surface water run-off generated at the facility into Catawba Creek. A drainage ditch originating southwest of the facility receives surface water run-off from the southwest portion of the facility and transports this run-off under and onto the western side of the Carolina and Northwestern Railroad line whereby it eventually drains to Catawba Creek. Three additional detention basins located in the northwest, north-central, and northeast corners of the facility also collect, store, and eventually discharge surface water run-off, generated primarily from asphalted driving and parking areas on the facility, into Catawba Creek (Figure 2).

The Uniroyal facility is accessible only through the facility entrance gate located on the southern property boundary. Direct access to the facility property is restricted by a 6-foot, chain-link fence which encompasses the property (Figure 2).

2.2.2 Waste Characteristics

Since 1955, Uniroyal has manufactured various products including herbicides, growth regulants, fungicides, polyurethane prepolymers, rubber labels, and plastic drum covers (Refs. 1, 2, 3, 4, 5). Hazardous wastes generated are from filtering and processing, as well as waste bags and containers

from raw materials (Ref. 1). Prior to 1983, thiram (common name: thiuram, a fungicide), maleic hydrazide (a herbicide), and phthalic anhydride (component of plasticizers and polyester resins) were stored in waste piles on plant property (Refs. 4, 6).

On May 29, 1974, there was a release of approximately 25 gallons of 2.4 dinitrobutylphenol (DNBP) (common name: dinoseb, herbicide) from a containment sump to the municipal sewer. An investigation conducted by the North Carolina Water Quality Section concluded that there was no lasting effect of the release. Uniroyal reimbursed the state for the cost of the investigation and the cost of replacing fish killed as a result of the municipal sewage treatment plant releasing treated water contaminated with DNBP. Immediately after this release the drain line from the containment sump to the sewer line was sealed with concrete (Ref. 2).

Storage of hazardous waste in the past has been confined to laboratory waste, which was stored in 55-gallon drums on a covered, diked, concrete slab (Ref. 2). Detention basins located at topographically downgradient locations on the property have been utilized to collect and contain surface water run-off or possible spills resulting from facility operations (Ref. 11). Wastes are now shipped off site for disposal (Ref. 11). All areas where spills or releases may occur are on slabs and diked. This includes manufacturing areas, storage areas, and truck loading and unloading stations (Ref. 2).

3.0 REGIONAL POPULATIONS AND ENVIRONMENTS

3.1 POPULATION AND LAND USE

3.1.1 Demography

The Uniroyal, Inc. Uniroyal Chemical Company facility is located in an industrial/residential portion of Gaston County, approximately 1.25 miles south of Gastonia, North Carolina, adjacent to Catawba Creek (Appendix A) (Figure 2). Most of the population of the area consists of full-time residents. Population densities increase sharply to the north, nearer the downtown Gastonia area (Appendix A). The population within a 1-mile radius is approximately 9,294; within a 4-mile radius, the population is estimated to be 65,243 (Ref. 12). The nearest residence is located approximately 500 feet east of the facility on Marietta Street (Appendix A). No day-care centers have been identified within a 1-mile site radius. The nearest school identified is located approximately 3,000 feet due north of the facility in Gastonia (Appendix A).

3.1.2 Land Use

The majority of the land area within a 1-mile radius of the facility is residential/commercial. Small towns in the study area include Ranlo, Dallas, Cramerton, and Bessemer City (Appendix A). Farming is mostly limited to valleys. The primary types of agricultural crops produced in the county include soybeans, small grains, and corn. There are no wells utilized for agricultural irrigation in the county. Beef and dairy cattle also are common in the county (Ref. 13). No sensitive natural areas are known to exist within 4 miles of the facility (Ref. 14). However, the milliped (Pachydesmus crassicutis incursus) is a state-listed, endangered species, and the milliped (Croatania catawba) and the nestronia (Nestronia umbellula) are state-listed, threatened species in Gaston County (Ref. 15).

3.2 SURFACE WATER

3.2.1 Climatology

The average annual rainfall in the Gaston County region is approximately 44 inches per year. Mean annual evaporation is approximately 41 inches per year. Net rainfall is, therefore, 3 inches per year. Rainfall in the area is fairly evenly dispersed throughout the year, with 3 to 5 inches of precipitation

being received each month (Ref. 16, pp. 43, 63). The 1-year, 24-hour rainfall is approximately 3.0 inches (Ref. 17, p. 93).

3.2.2 Overland Drainage

Surface water run-off from the facility enters drainage ditches located along the facility's northwest, north-central, and northeast property boundaries. These ditches transport run-off northeast to Catawba Creek (Figure 2) (Appendix A). Several detention basins located at topographically low areas on and around the facility collect and store some of the surface water run-off prior to its discharge to Catawba Creek (Ref. 11). Catawba Creek, located approximately 500 feet downslope of the facility, follows a meandering path southeast for approximately 9.5 miles and enters Lake Wylie. The 15-mile, surface water pathway ends within the confines of Lake Wylie (appendix A).

3.2.3 Potentially Affected Water Bodies

There are no surface water intakes on the 15-mile, surface water pathway (Refs. 11, 18). The Gaston County Utilities Department has a public water supply intake on the South Fork River, approximately 6.5 miles northeast of the facility and outside the area of potential site influence (Ref. 11, Appendix A). Catawba Creek is known to be used only for a small amount of recreational fishing; however, Lake Wylie is utilized extensively, primarily during the summer months; for swimming, boating, and fishing (Ref. 19). No known wetlands have been identified along the confines of Catawba Creek and Lake Wylie (Appendix A).

3.3 GROUNDWATER

3.3.1 Hydrogeology

The Uniroyal facility is located in central Gaston County approximately 9.2 miles west of the Catawba River (Appendix A). Gaston County lies within the Piedmont Physiographic Province and the Piedmont and Blue Ridge hydrogeologic setting, more specifically, in the Kings Mountain Geologic Belt (Refs. 20, pp. 251-52; 21). The Piedmont Province slopes gradually from the Blue Ridge to the Fall Lines, 73 miles east of the site, which marks the boundary between the sedimentary stratum of the Coastal Plain and the crystalline rocks of the Piedmont Physiographic Province (Refs. 20, pp. 251-52; 21). The Gastonia area is considered to be in the upland section of the province which is characterized by undulant topography, extensive dissection by streams, and a general dip direction to the southeast (Refs. 21; 22, pp. 1-5). Elevations in the site area range from 670 to 820 feet above mean sea level

(Appendix A). The geographic coordinates of the site are 35°14'37" N latitude and 81°11'8" W longitude (Appendix A).

The soil underlying the facility is of the Cecil-Urban Land Association (Ref. 23, plate 1). Soil is nearly level and well-drained. The specific soil type is the Cecil-Urban land complex. This soil has a yellowish-red sandy loam as a surficial layer and other characteristics such as 2 to 8 percent slopes, moderate permeability, strong acidity, and a subsoil depth of 60 inches (Ref. 23, Map No. 7, pp. 17, 18, 63, 64).

A relatively thick layer of residual soil and saprolite underlie the area of the facility. Saprolite is a clay-rich residual material formed by the in-place chemical weathering of the underlying bedrock. Saprolite retains the original primary and secondary textures and structures of the parent bedrock material (Ref. 24, p. 10). The residual soil and saprolite layer beneath the facility ranges from 0 to 150 feet thick (Ref. 25, p. 8).

The dominant crystalline bedrock beneath the facility is Pennsylvanian to Permian aged massive granitic rock (Ref. 21). This granite is megacrystic and pegmatitic and has been known to contain tourmaline, beryl, cassiterite, and spodomine, minerals not usually present in granite (Ref. 22, pp. 6-7).

Saprolite, slope wash deposits, and residual soil are collectively referred to as regolith. It is the saturated portion of the regolith and the water within the fractures of the granite that are hydrologically connected and together comprise the unconfined regolith/crystalline rock aquifer system (Ref. 26, p. 47). This is the aquifer of concern in the Gastonia, North Carolina, area. The mean-pool elevation depth to the water table is approximately 38 feet below land surface (bls) (Appendix A).

Well depths in the Piedmont range from 150 to 300 feet bls with yields ranging from 3 to 25 gallons per minute (gpm) (Ref. 25, pp. 2-5). More specifically, the average well depth in granite in Gaston County is 165 feet bls, and the average yield of these wells is 18 gpm (Ref. 27, p. V-1). The chemical quality of groundwater from Gaston County is good; however, iron has been noted in higher concentrations than average. Also, it has been estimated that the potential groundwater availability is 0.4 million gallons a day (Ref. 28, p. V-1).

Groundwater flow is generally toward streams and rivers. Under the Uniroyal facility, groundwater apparently flows in an easterly direction (Appendix A). Recharge to the aquifer results from infiltration of rainfall and melted snow through the unsaturated portion of the regolith to the

saturated regolith and fractures in the crystalline rocks. Water-bearing fractures rarely exceed a depth of 300 to 400 feet bls (Ref. 25, p. 5).

The clays within regolith represent the layer of lowest hydraulic conductivity between the surface and the aquifer. Hydraulic conductivity values of similar materials have typically been in the 1.0×10^{-7} to 1.0×10^{-5} cm/sec range (Ref. 28, p. 29).

3.3.2 Aquifer Use

Surface water is the primary source of drinking water for residents in the immediate area surrounding the facility. There are two municipal water systems that supply potable water to residents located in the study area. The Gaston Utilities Department is the primary supplier of water to these residents, with water obtained from a surface water intake located approximately 6.5 miles northeast of the facility on the South Fork River (Ref. 11, Appendix A). This intake is located outside the area of potential site influence. This system provides service to approximately 43,000 connections in the Gaston area (Ref. 11). The city of Ranlo purchases all its water supplies from the Gaston County Utilities Department and supplies a very small portion of the study area with potable water. This area is located approximately 3.75 miles northeast of the facility (Ref. 11, Appendix A).

The remaining population within 4 miles of the facility, not served by a municipal surface supply system relies on private wells for potable water. A house count using topographic maps of the area indicates that approximately 50 homes within 3 miles and 675 homes within 3 to 4 miles from the facility obtain potable water supplies from private wells (Ref. 11, Appendix A). The nearest well used for drinking water is located approximately 1.2 miles south of the facility (Appendix A).

3.4 SUMMARY OF POTENTIALLY AFFECTED POPULATIONS AND ENVIRONMENTS

There are two pathways of concern for the facility: groundwater and surface water. The air and onsite exposure pathways are not considered of concern because there is sufficient groundcover in the form of asphalt and dense grasses, as well as a lack of visible waste, to preclude an air release or onsite exposure threat.

Surface water is the primary migration pathway of concern at the facility. Surface water run-off from the facility primarily enters several detention basins situated along the facility's northern property boundary which collect and allow the eventual discharge of surface water run-off into drainage ditches which channel run-off to Catawba Creek (Ref. 11, Appendix A). Catawba Creek follows a meandering path southeast and enters Lake Wylie. Catawba Creek is only known to be used for

recreational fishing; however, Lake Wylie is used for recreational fishing, boating, and swimming (Appendix A).

Of secondary concern at the facility is the groundwater pathway. Rainfall is the primary method of recharge for the aquifer in the area. There is no information available that indicates how long the facility has been covered in asphalt; however, this form of containment over the facility is believed to have existed for a number of years and has precluded any substantial migration of contaminants into the groundwater table. Except where grass lawns are present, there is only a small likelihood of groundwater migration threat to the local groundwater resource (Figure 2). Groundwater is obtained from joints, fractures, and other secondary openings in crystalline bedrock and primary pore spaces within the overlying residual soil material. These units comprise the residual soil/fractured crystalline rock aquifer system. Groundwater is a sole source of potable water for local residents not served by a municipal system. A total of 2,755 people within 4 miles of the facility obtain their potable water supplies from the crystalline rock aquifer.

4.0 FIELD INVESTIGATION

4.1 SAMPLE COLLECTION

During the field investigation, conducted the week of August 20, 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 Uniroyal, Inc. Uniroyal Chemical Company. To accomplish this, FIT 4 collected environmental surface and subsurface soil, sediment, and surface water 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

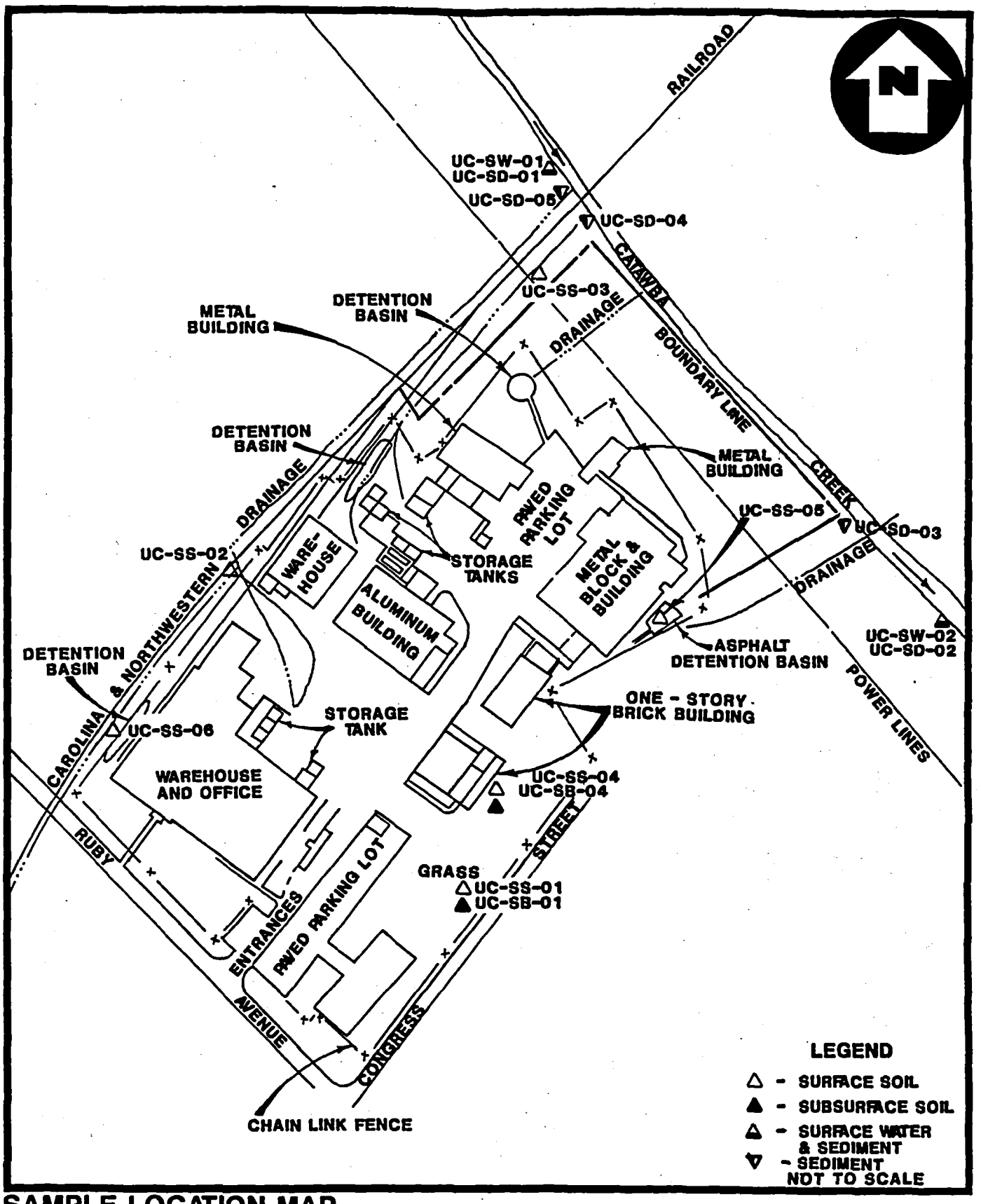
All sample collection, sample preservation, and chain-of-custody procedures used during this investigation were in accordance with the standard operating procedures as specified in Sections 3 and 4 of the Engineering Support Branch Standard Operating Procedures and Quality Assurance Manual; United States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

4.1.2 Duplicate Samples

Duplicate samples were accepted by John Robinson, a designated representative of Uniroyal, Inc. Uniroyal Chemical Company. Receipt for sample forms are on file at FIT 4.

4.1.3 Description of Samples and Sample Locations

A total of 15 environmental samples were collected for this investigation. Background surface and subsurface soil samples were collected from a grassy area located near the southeast corner of the facility. A surface and subsurface soil sample were also collected near the facility's drum storage area. Additional surface soil samples were collected from drainage pathways located along the facility's eastern and western property boundary. Surface water and sediment samples were collected at upgradient and downgradient locations on Catawba Creek, as well as from locations where drainage ditches from the facility enter the creek. All sample locations are shown on Figure 3. Sample codes, descriptions, locations, and rationale are presented in Table 1.



SAMPLE LOCATION MAP
UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

FIGURE 3

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TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATIONS, AND RATIONALE
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

Sample Code	Description	Location	Rationale	Date (1990)	Time
UC-SS-01	Surface Soil	From a grassy area located in the southeast corner of the facility	To establish background conditions	8/21	1005
UC-SS-02	Surface Soil	Collected from the western property boundary	To determine presence or absence of contamination	8/21	1355
UC-SS-03	Surface Soil	Collected at the point where an onsite drainage ditch enters Catawba Creek	To determine presence or absence of contamination	8/21	1335
UC-SS-04	Surface Soil	Collected adjacent to the drum storage area	To determine presence or absence of contamination	8/21	1035
UC-SS-05	Surface Soil	Collected from a detention basin located in the northeast section of the property	To determine presence or absence of contamination	8/21	1145
UC-SS-06	Surface Soil	Collected from the southwest corner of the property in a drainage ditch	To determine presence or absence of contamination	8/21	1420
UC-SB-01	Subsurface Soil	From a grassy area located in the southeast corner of the facility at 4' below land surface (bls)	To establish background conditions	8/21	1015
UC-SB-04	Subsurface Soil	Collected adjacent to the drum storage area at 4' bls	To determine presence or absence of contamination	8/21	1055

UC - Uniroyal, Inc. Uniroyal Chemical Co.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water

TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATIONS, AND RATIONALE
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

Sample Code	Description	Location	Rationale	Date (1990)	Time
UC-SD-01	Sediment	Collected from Catawba Creek northwest of the facility, at an upstream location	To establish background conditions	8/21	1630
UC-SD-02	Sediment	Collected from Catawba Creek northeast of the facility at a downstream location	To establish downstream conditions	8/21	1510
UC-SD-03	Sediment	Collected from Catawba Creek north of the facility where a drainage ditch enters the creek	To determine presence or absence of contamination	8/21	1530
UC-SD-04	Sediment	Collected from Catawba Creek northwest of the facility where a drainage ditch enters the creek	To determine presence or absence of contamination	8/21	1555
UC-SD-05	Sediment	Collected from Catawba Creek northwest of the facility where a drainage ditch enters the creek	To determine presence or absence of contamination	8/21	1605
UC-SW-01	Surface Water	Collected from Catawba Creek northwest of the facility, at an upstream location	To establish background conditions	8/21	1610
UC-SW-02	Surface Water	Collected from Catawba Creek north of the facility, at a downstream location	To determine presence or absence of contamination	8/21	1500

UC - Uniroyal, Inc. Uniroyal Chemical Co.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water

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 parameters listed in the Target Compound List (TCL). Organic and inorganic analysis of soil and water samples was performed by Compuchem, Research Triangle Park, North Carolina.

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 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) 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 and analytical data qualifier reports are presented in Appendix B.

TABLE 2

FIELD MEASUREMENTS
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

Sample Code	pH	Temp. (°C)	Conductivity (umhos/cm)
UC-SW-01	6.86	27	177
UC-SW-02	6.95	27	198

The soil trip blank, UC-TB-01S, contained 50 ug/kg of acetone. The preservative blank, UC-PB-01, contained 7 ug/l of copper and 700 ug/l of potassium. The water trip blank (also labeled UC-PB-01) contained 23 ug/l of acetone, and 10 ug/l of methyl ethyl ketone.

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 Uniroyal, Inc. Uniroyal Chemical Company. Results of subsurface soil, surface soil, sediment, and surface water samples are presented in Tables 3, 4, 5, 6, 7, and 8. Background samples have been designated for all media. Values for background sample results are presented as either a measured value or as the 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.

4.2.3.1 Summary of Analytical Results, Subsurface and Surface Soil Samples

Summaries of analytical results for subsurface and surface soil samples are presented in Tables 3 and 4. Samples UC-SB-01 and UC-SS-01, collected from an upgradient grassy area at the facility, were designated as background samples for these two media. Only one other subsurface sample was collected: UC-SB-04. It was collected near a drum storage area and contained seven metals at levels of 3 to 4 times background or MQL. These metals were barium, calcium, chromium, cobalt, magnesium, nickel, and potassium. Surface soil sample UC-SS-04, collected in conjunction with this subsurface soil sample, contained 15 metals at elevated levels ranging from 3 to 30 times background or MQL. One hundred mg/kg of zinc (11 times MQL), 11 mg/kg of chromium (5 times MQL), and 35 mg/kg of lead (3 times MQL) were detected.

Fourteen metals were detected at elevated levels ranging from 3 to 90 times background or MQL, in the surface soil sample collected from the asphalt detention basin, UC-SS-05. This sample contained 19 mg/kg of chromium (9 times background), 13 mg/kg of cobalt (8 times MQL), 48 mg/kg of lead (4 times MQL), 14J mg/kg of silver (8 times MQL), 62 mg/kg of vanadium (12 times background), and 380 mg/kg of zinc (42 times MQL). This detention basin received run-off from a majority of the facility.

Three surface soil samples were collected along the western boundary of the property from a drainage ditch that flows north toward Catawba Creek. The most upgradient sample, UC-SS-06, contained seven metals at elevated levels ranging from 3 to 55 times background or MQL. These metals included chromium (7.2 mg/kg, 3 times background), lead (30 mg/kg, 3 times MQL), and zinc

TABLE 3

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SURFACE AND SUBSURFACE SOIL SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Subsurface Soil		Surface Soil					
	Background	Drum Storage Area	Background	Western Boundary	Drainage Ditch at Catawba Creek	Drum Storage Area	Detention Basin	Drainage Ditch SW Corner
	UC-SB-01	UC-SB-04	UC-SS-01	UC-SS-02	UC-SS-03	UC-SS-04	UC-SS-05	UC-SS-06
ALUMINUM	20,000J	28,000J	3400J	5800J	21,000J	20,000J	22,000J	3000J
ARSENIC	34JN	-	4UJ	16JN	16JN	15JN	28JN	-
BARIUM	41J	120J	16J	23J	91J	57J	130J	13J
BERYLLIUM	1.7	1.9	0.75U	-	1.4	1.2	2	-
CADMIUM	-	-	0.94U	-	-	-	1.6	-
CALCIUM	190U	560	560	9600	800	13,000	2200	31,000
CHROMIUM	8.2	24	2	21	14	11	19	7.2
COBALT	3.5	15	1.5U	4.3	6.6	6.1	13	-
COPPER	21	9.5	22	34	9.2	39	23	3.3
IRON	20,000J	35,000J	2500J	16,000J	22,000J	17,000J	26,000J	4900J
LEAD	26	30	10U	86	-	35	48	30
MAGNESIUM	2400J	8800J	440UJ	8300J	3300J	4600J	7700J	7500J
MANGANESE	120J	470J	26J	110J	180J	170J	280J	94J
NICKEL	5.2U	8.9	4.2U	9.7	6.1	7.3	12	-
POTASSIUM	3100	9000	80U	1900	3200	2500	7200	1200
SILVER	7.8J	16J	1.7UJ	3J	7.7J	6.2J	14J	3.3J

- 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.

TABLE 3

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SURFACE AND SUBSURFACE SOIL SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

	Subsurface Soil		Surface Soil					
	Background	Drum Storage Area	Background	Western Boundary	Drainage Ditch at Catawba Creek	Drum Storage Area	Detention Basin	Drainage Ditch SW Corner
PARAMETERS (mg/kg)	UC-SB-01	UC-SB-04	UC-SS-01	UC-SS-02	UC-SS-03	UC-SS-04	UC-SS-05	UC-SS-06
SODIUM	-	-	70U	-	-	1400	-	-
VANADIUM	40	76	4.7	25	48	35	62	11
ZINC	42	85	9U	570	90	100	380	71

- 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.

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE AND SUBSURFACE SOIL SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

		Subsurface Soil		Surface Soil					
	Soil Trip Blank	Background	Drum Storage Area	Background	Western Boundary	Drainage Ditch at Catawba Creek	Drum Storage Area	Detention Basin	Drainage Ditch, SW Corner
PARAMETERS (ug/kg)	UC-TB-01S	UC-SB-01	UC-SB-04	UC-SS-01	UC-SS-02	UC-SS-03	UC-SS-04	UC-SS-05	UC-SS-06
PURGEABLE COMPOUNDS									
ACETONE	50	-	-	10U	-	-	-	-	-
EXTRACTABLE COMPOUNDS									
NAPHTHALENE	-	-	-	340U	-	-	120J	-	-
2-METHYLNAPHTHALENE	-	-	-	340U	-	-	77J	-	-
ACENAPHTHYLENE	-	-	-	340U	-	-	-	-	77J
ACENAPHTHENE	-	-	-	340U	-	-	260J	-	-
DIBENZOFURAN	-	-	-	340U	-	-	170J	-	-
FLUORENE	-	-	-	340U	-	-	350J	-	-
PHENANTHRENE	-	-	-	340U	-	85J	2000	-	260J
ANTHRACENE	-	-	-	340U	-	110J	620	-	110J
FLUORANTHENE	-	-	-	44J	78J	400J	2700	-	550
PYRENE	-	-	-	39J	-	470	2100	-	510

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

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE AND SUBSURFACE SOIL SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

		Subsurface Soil		Surface Soil					
	Soil Trip Blank	Background	Drum Storage Area	Background	Western Boundary	Drainage Ditch at Catawba Creek	Drum Storage Area	Detention Basin	Drainage Ditch, SW Corner
PARAMETERS (ug/kg)	UC-TB-01S	UC-SB-01	UC-SB-04	UC-SS-01	UC-SS-02	UC-SS-03	UC-SS-04	UC-SS-05	UC-SS-06
BENZO(A)ANTHRACENE	-	-	-	340U	-	240J	1400	-	320J
CHRYSENE	-	-	-	340U	-	290J	1400	-	400
BIS(2-ETHYLHEXYL) PHTHALATE	-	-	-	340U	2200	-	-	1200	-
BENZO(B AND/OR K)FLUORANTHENE	-	-	-	340U	-	580J	2200	-	510
BENZO-A-PYRENE	-	-	-	340U	-	210J	1000	-	310J
INDENO (1,2,3-CD) PYRENE	-	-	-	340U	-	88J	350J	-	-
BENZO(GHI)PERYLENE	-	-	-	340U	-	71J	-	-	-
HEXADECANOIC ACID(1)				300JN	1000JN	400JN	600JN		1000JN
OCTAHYDRODIMETHYLMETHYLETHENYLNAPHTHALENE(1)				1000JN					
CHLOROISOCYANATOBENZENE(1)					200JN				
METHYLETHENYLMETHYLETHYLBENZENE(1)					400JN				
PHTHALIC ANHYDRIDE(1)					300JN	200JN			
DIISOCYANATOMETHYLBENZENE(1)					1000JN	300JN			

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

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE AND SUBSURFACE SOIL SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

		Subsurface Soil		Surface Soil					
	Soil Trip Blank	Background	Drum Storage Area	Background	Western Boundary	Drainage Ditch at Catawba Creek	Drum Storage Area	Detention Basin	Drainage Ditch, SW Corner
PARAMETERS (ug/kg)	UC-TB-01S	UC-SB-01	UC-SB-04	UC-SS-01	UC-SS-02	UC-SS-03	UC-SS-04	UC-SS-05	UC-SS-06
PROPARGITE(1)						800JN		60,000JN	
NAPHTHALENYLISOINDOLEDIONE(1)						500JN			
CARBAZOLE(1)							400JN		
METHYLPHENANTHRENE(1)							300JN		
METHYLANTHRACENE(1)							300JN		
CYCLOPENTAPHENANTHRENE(1)							600JN		
BENZONAPHTHOTHIOPHENE(1)							300JN		
BENZONAPHTHOFURAN(1)							200JN		
METHYLPYRENE(1)							200JN		
BENZOPHENANTHRENE(1)							200JN		
METHYLBENZANTHRACENE(1)							300JN		
BENZOPYRENE (NOT A)(1)							400JN		
METHOXYPENTENONE(1)								900JN	

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

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE AND SUBSURFACE SOIL SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

		Subsurface Soil		Surface Soil					
	Soil Trip Blank	Background	Drum Storage Area	Background	Western Boundary	Drainage Ditch at Catawba Creek	Drum Storage Area	Detention Basin	Drainage Ditch, SW Corner
PARAMETERS (ug/kg)	UC-TB-01S	UC-SB-01	UC-SB-04	UC-SS-01	UC-SS-02	UC-SS-03	UC-SS-04	UC-SS-05	UC-SS-06
DIMETHYLETHYLPHENOL(1)								20,000JN	
DICHLOROBENZONITRILE(1)								700JN	
BENZOFLUORENE (2 ISOMERS)(1)							1000JN		
PETROLEUM PRODUCT(1)					N				
UNIDENTIFIED COMPOUND/NO.(1)					10,000J/10	4000J/3	6000J/2	100,000J/7	4000J/4
PESTICIDE\PCB COMPOUNDS									
ENDOSULFAN I (ALPHA)	-	-	-	16U	90	-	-	-	-
PCB-1254 (AROCLOR 1254)	-	-	-	330U	740	-	420	-	-

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

(71 mg/kg, 8 times MQL). Downgradient from this location, sample UC-SS-02 contained 11 metals at levels ranging from 3 to 63 times background or MQL. Most notable were 21 mg/kg of chromium (10 times background), 86 mg/kg of lead (8 times MQL), and 570 mg/kg of zinc (63 times MQL). Twelve metals were detected at elevated levels ranging from 4 to 40 times background or MQL in sample UC-SS-03 collected from the confluence of the drainage ditch and Catawba Creek. Chromium (14 mg/kg, 7 times background) and zinc (90 mg/kg, 10 times MQL) were detected. Arsenic was identified in four of the surface soil samples based on presumptive evidence of presence of the material at levels from 3 to 7 times MQL for arsenic.

Nineteen metallic contaminants were detected at Uniroyal in the soil samples. The contaminants are widely distributed over the facility and more pronounced in the detention basin and the drum storage area. Arsenic, chromium, lead, and zinc appear at elevated levels in most of these samples. Lead and zinc are used as catalysts in the production of urethane polymers (Ref. 29). Very high levels of calcium, magnesium, and potassium were detected throughout the samples. Salts of these metals are used as catalysts in the production of polyurethanes (Ref. 29). Uniroyal also manufactured fungicides, and metals are often used as the toxic component in fungicides (Ref. 30).

No organic compounds were detected in subsurface soil samples. Seven TCL organic compounds were detected at elevated levels along with 13 miscellaneous extractable compounds in the drum storage area sample (UC-SS-04). All of the TCL compounds were polyaromatic hydrocarbons, (PAHs). 2700 ug/kg of fluoranthene (61 times background, estimated value) and 2,100 ug/kg of pyrene (53 times background, estimated value) were reported. These two compounds were detected at levels from 9 to 13 times background in samples UC-SS-03 and UC-SS-06. PAHs are typically emitted by asphalt, and the PAHs at Uniroyal may be related to the asphalt that covers much of the facility. Unidentified extractable compounds at levels ranging from 4,000JN to 100,000JN ug/kg were detected throughout the surface soil samples. Because no unidentified compounds were reported for the background surface soil sample, areal, site-related, organic contamination was indicated.

Bis (2-ethylhexyl) phthalate, a common plasticizer, was reported in two samples: UC-SS-06, an upgradient drainage ditch sample (2,200 ug/kg, 6 times MQL) and UC-SS-04, the drum storage area sample (1,200 ug/kg, 3 times MQL). A variety of site-related compounds was tentatively identified in the surface soil samples. The presence of hexadecanoic acid, a fatty acid, was reported throughout the facility. Two isocyanate compounds (chloroisocyanatobenzene and diisocyanatomethylbenzene) were tentatively identified in sample UC-SS-02. Such compounds are used in the production of urethane polymers typical of Uniroyal products (Ref. 29). Phthalic anhydride, commonly used in plasticizers, polyester resins, alkyl resins, dyes, occurred in samples UC-SS-02 and UC-SS-03 (Ref. 31). Propargite was detected in the drainage ditch and detention basin (samples UC-SS-03 and UC-SS-05).

Propargite is a widely used acaricide, i.e., a chemical used in insect control (Ref. 32). Sample UC-SS-02 also contained 90 ug/kg (5 times MQL) of Endosulfan I (Alpha), a common pesticide. Besides PAH compounds, the following miscellaneous extractable compounds were tentatively identified: ketones, carbazole, a furan, a phenol, a nitrile, and petroleum product.

Although organic contaminants were reported throughout the facility, three surface soil samples, UC-SS-02 (upgradient ditch sample), UC-SS-04 (the drum storage area sample), and UC-SS-05 (the detention basin sample) were particularly contaminated. Many of the compounds can be directly correlated with Uniroyal products such as herbicides, pesticides, urethane polymers, and rubber products. Other organic compounds may be identified as starting materials, intermediates, degradation products or solvents used in the diverse chemical processes at Uniroyal.

4.2.3.2 Summary of Analytical Results, Sediment and Surface Water Samples

Summaries of analytical results for sediment and surface water samples are presented in Tables 5, 6, 7, and 8. Sediment sample UC-SD-01 was collected as an upgradient background sediment sample from Catawba Creek. Lead was detected at a concentration of 78 mg/kg (13 times MQL) in sample UC-SD-03. This sample was collected at a downgradient location on Catawba Creek at the confluence of the creek and an onsite drainage ditch. Three metals were detected at elevated levels in the upgradient Catawba Creek sediment sample UC-SD-05 collected from the creek above the railroad tracks. Chromium was reported at 8.4 mg/kg (3 times background) along with aluminum and vanadium.

Nine metals were detected in sample UC-SD-04, collected below the railroad tracks, at levels ranging from 3 to 17 times background or MQL: 7.5 mg/kg (3 times background) of chromium and 82 mg/kg (4 times MQL) of zinc were reported.

Drainage ditches that receive run-off from the Uniroyal facility flow into Catawba Creek. The ditches receive run-off from the entire property. The high lead concentration in sample UC-SD-03 indicated site-related contamination of Catawba Creek. The high incidence of metals in the downgradient railroad track sample (UC-SD-04) may be attributable to the facility because a similar pattern of metallic contamination occurred in the surface soil samples.

No TCL organic compounds above background or MQL were reported for the sediment samples. All the sediment samples, including the background, contained miscellaneous unidentified compounds. It does not appear that organic contaminants are migrating from the site into Catawba Creek.

TABLE 5

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background Catawba Creek	Downgradient Catawba Creek	Catawba Creek at Drainage Ditch	Downgradient Catawba Creek, Below Railroad Tracks	Upgradient Catawba Creek Above Railroad Tracks
	UC-SD-01	UC-SD-02	UC-SD-03	UC-SD-04	UC-SD-05
ALUMINUM	750J	2700J	1700J	13,000J	3000J
BARIUM	11J	24J	15J	92J	20J
CHROMIUM	2.4	3.1	3.2	7.5	8.4
COBALT	3U	-	-	7.5	-
COPPER	4.5	3.1	2.2	6	6.2
IRON	1600J	3800J	2400J	14,000J	4400J
LEAD	6U	-	78	-	16
MAGNESIUM	370UJ	900J	650J	4000J	910J
MANGANESE	29J	48J	25J	200J	44J
POTASSIUM	440	830	400	4600	760
SILVER	2UJ	-	-	4.6J	-
VANADIUM	5.3	9.4	7.5	31	15
ZINC	20UJ	22	-	82	25

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

TABLE 6

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background Catawba Creek	Downgradient Catawba Creek	Catawba Creek at Drainage Ditch	Downgradient Catawba Creek Below Railroad Tracks	Upgradient Catawba Creek Above Railroad Tracks
	UC-SD-01	UC-SD-02	UC-SD-03	UC-SD-04	UC-SD-05
PURGEABLE COMPOUNDS					
1,1-DICHLOROETHANE	7U	-	2J	-	-
EXTRACTABLE COMPOUNDS					
NAPHTHYLENE	440U	-	-	47J	-
PHENANTHRENE	440U	100J	51J	60J	110J
ANTHRACENE	440U	-	-	61J	-
FLUORANTHENE	440U	190J	95J	270J	220J
PYRENE	440U	180J	100J	310J	180J
BENZO(A)ANTHRACENE	440U	83J	-	170J	86J
CHRYSENE	440U	92J	-	230J	110J
BENZO(B AND/OR K)FLUORANTHENE	440U	81J	-	230J	82J
BENZO-A-PYRENE	440U	70J	-	170J	66J
INDENO (1,2,3-CD) PYRENE	440U	-	-	86J	-
BENZO(GHI)PERYLENE	440U	-	-	81J	-
HEXADECANOIC ACID(1)	200JN	300JN	300JN	300JN	300JN

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

TABLE 6

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background Catawba Creek	Downgradient Catawba Creek	Catawba Creek at Drainage Ditch	Downgradient Catawba Creek Below Railroad Tracks	Upgradient Catawba Creek Above Railroad Tracks
	UC-SD-01	UC-SD-02	UC-SD-03	UC-SD-04	UC-SD-05
BENZOFLUORANTHENE (NOT B OR K)(1)				200JN	
UNIDENTIFIED COMPOUND/NO.(1)	6000J/3	20,000J/3	7000J/3	2000J/1	20,000J/4

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

TABLE 7

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SURFACE WATER SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

PARAMETERS (ug/l)	Preservative Blank	Upgradient Catawa Creek	Downgradient Catawba Creek
	UC-PB-01	UC-SW-01	UC-SW-02
BARIUM	-	47	48
CALCIUM	-	14,000J	14,000J
COPPER	7	14	13
IRON	-	940J	690J
MAGNESIUM	-	2700	2700
MANGANESE	-	29	33
POTASSIUM	700	3400	3400
SODIUM	-	22,000	22,000

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

J Estimated value.

TABLE 8

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE WATER SAMPLES
UNIROYAL, INC. UNIROYAL CHEMICAL COMPANY
GASTONIA, GASTON COUNTY, NORTH CAROLINA

PARAMETERS (ug/l)	Upgradient Catawba Creek	Downgradient Catawba Creek	Trip Blank
	UC-SW-01	UC-SW-02	UC-PB-01
PURGEABLE COMPOUNDS			
ACETONE	10U	-	23
METHYL ETHYL KETONE	10U	-	10
TETRACHLOROETHENE	1J	5U	-

- 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.

One upgradient background sample (UC-SW-01) and one downgradient sample (UC-SW-02) were collected to assess contaminant migration from the facility to Catawba Creek via surface water run-off. No organic or inorganic compounds were reported above background levels.

5.0 SUMMARY

The surface water pathway is the primary migration pathway of concern from operations conducted at the Uniroyal, Inc. Uniroyal Chemical Company facility. Contaminants entrained in surface water run-off from the facility can enter Catawba Creek directly. Four distinct drainage basins situated around the facility collect and store surface water run-off generated on the facility property before releasing it to Catawba Creek via drainage ditches. Although the surface water pathway within 15 miles downstream of the facility is not utilized for drinking water purposes, recreational fishing occurs on Catawba Creek, and recreational fishing, boating, and swimming are the uses of Lake Wylie. The groundwater pathway is also of concern due to the use of the unconfined regolith/crystalline rock aquifer in the area. Within a 4-mile site radius, approximately 2,755 people utilize groundwater to supply their potable water needs.

The sampling investigation consisted of the collection of 15 environmental samples: six surface soil, two subsurface soil, five sediment, and two surface water. No inorganic contaminants were detected in the surface water of Catawba Creek. Surface soil samples were contaminated with 19 metals which appear to be widely distributed over the property. The drum storage area and the asphalt detention basin contained the most metals at the highest concentrations. Elevated levels of arsenic, chromium, lead, and zinc were recurrent throughout the surface soil samples. Subsurface soil sample UC-SB-04 contained seven metals including chromium. Due to drainage pathways at Uniroyal, a similar pattern of metallic contamination was observed in the sediment samples, in which a total of 10 metals, including chromium, lead, and zinc, were detected at elevated levels. Metals are used in the production of urethane polymers and in fungicides, both products of Uniroyal.

No organic compounds were detected in the subsurface soil or surface water samples at an elevated level. Surface soil samples contained many Target Compound List organic compounds at elevated levels including polyaromatic compounds such as fluoranthene and pyrene, bis (2-ethylhexyl) phthalate, and Endosulfan I (Alpha). Miscellaneous extractable organic compounds included hexadecanoic acid, propargite, phthalic anhydride, isocyanates, ketones, a phenolic compound, a furan, petroleum product, and polyaromatic compounds. Many of these compounds are directly related to Uniroyal products or indirectly related as starting materials, intermediates, degradation products, or solvents representative of activities at the facility. The most contaminated surface soil samples occurred in the upgradient drainage ditch, the drum storage area, and the asphalt detention basin. These contaminants have the potential to enter Catawba Creek or the crystalline rock aquifer.

Based on the analysis of possible migration pathways, the results of the sampling investigation, and the information obtained from the references, FIT 4 recommends that this site be evaluated using the HRS (effective March 14, 1991).

REFERENCES

1. RCRA Inspection Form, Prepared by Larry Fox, North Carolina Department of Health Services (RCRA Section), November 12, 1986.

2. John Robinson, Environmental Engineer, Uniroyal Chemical, letter to Lenox Bramble, North Carolina Department of Health Services, October 25, 1984. Subject: Chemical spill.

3. EPA Hazardous Waste Permit Application (EPA Form, 3510-1 and 3510-3) and attachment for Uniroyal Inc., Gastonia, North Carolina. Filed by Robert J. Mazaika, Director of Manufacturing and Engineering for Uniroyal Inc.

4. Potential Hazardous Waste Site Preliminary Assessment (Form 2070-12), Part 1-Site Information and Assessment for Uniroyal Chemical. Filed by O.W. Strickland, North Carolina Department of Health Services, Solid and Hazardous Waste Management Branch, November 27, 1986..

5. Cindy Extine, Uniroyal, Inc., Uniroyal Chemical Company, telephone conversation with Eric Corbin, NUS Corporation, March 8, 1991. Subject: Manufactured products.

6. John Robinson, Technical Supervisor, Uniroyal Chemical, letter to Jerry Rhodes, Environmental Chemist, North Carolina Solid and Hazardous Waste Management Branch, January 3, 1983. Subject: Change in Part A application.

7. RCRA Generator Inspection - Part 262, Form Prepared by Larry Fox, North Carolina Department of Health Services, November 22, 1983.

8. John Robinson, Technical Supervisor, Uniroyal Chemical, letter to O.W. Strickland, North Carolina Solid and Hazardous Waste Management Branch. Subject: Change in RCRA status.

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10. North Carolina Department of Environment, Health & Natural Resources, Hazardous Waste Section, Alphabetic List of Hazardous Waste Facilities, December 12, 1990.

11. NUS Corporation Field Logbook No. F4-2490 for Uniroyal, Inc. Uniroyal Chemical Company, TDD No. F4-9007-25. Documentation of screening site inspection, August 21, 1990.

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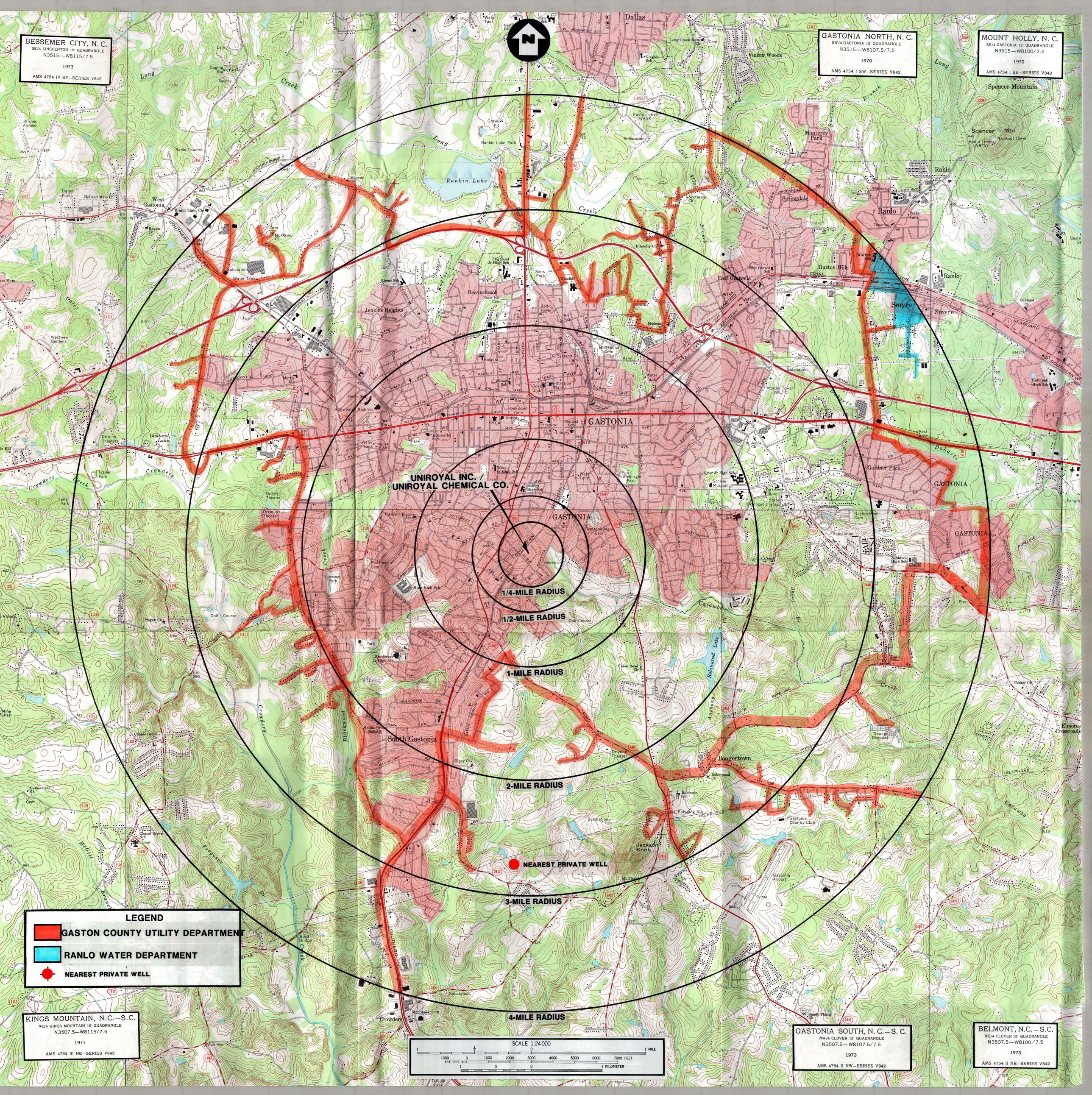
APPENDIX A


BESSEMER CITY, N. C.
SE/4 LINCOLNTON 15' QUADRANGLE
N3515—W8115/7.5
1973
AMS 4754 IV SE—SERIES V842
GASTONIA NORTH, N. C.
SW/4 GASTONIA 15' QUADRANGLE
N3515—W8107.5/7.5
1970
AMS 4754 I SW—SERIES V842
MOUNT HOLLY, N. C.
SE/4 GASTONIA 15' QUADRANGLE
N3515—W8100/7.5
1970
AMS 4754 I SE—SERIES V842
UNIROYAL INC. / UNIROYAL CHEMICAL CO.
1/4-MILE RADIUS
1/2-MILE RADIUS
1-MILE RADIUS
2-MILE RADIUS
3-MILE RADIUS
4-MILE RADIUS
NEAREST PRIVATE WELL
LEGEND
GASTON COUNTY UTILITY DEPARTMENT
RANLO WATER DEPARTMENT
NEAREST PRIVATE WELL
KINGS MOUNTAIN, N.C.—S.C.
NE/4 KINGS MOUNTAIN 15' QUADRANGLE
N3507.5—W8115/7.5
1971
AMS 4754 III NE—SERIES V842
GASTONIA SOUTH, N. C.—S. C.
NW/4 CLOVER 15' QUADRANGLE
N3507.5—W8107.5/7.5
1973
AMS 4754 II NW—SERIES V842
BELMONT, N.C.—S.C.
NE/4 CLOVER 15' QUADRANGLE
N3507.5—W8100/7.5
1973
AMS 4754 II NE—SERIES V842
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
GASTONIA
Dallas
West Gastonia
Jenkins Heights
Beaverbrook
Rankin Lake
Springdale
Ranlo
Smyre
Burton Hills
East Gastonia
Monterey Park
Spencer Mtn
South Gastonia
Boogertown
Gardner Park
Oakland Lake
Rankin Lake Park
Robinwood Lake
Jackson Knob
Gastonia Country Club
Gastonia Airport
Sewage Disposal
Elmores Crossroads
Crowders
Golf Course
Drive-in Theater
Trailer Park
Westview Gardens
Rhynes Airfield
Long Creek
Crowders Creek
Duharts Creek
Catawba
Blackwood
Anthony
Short Br
Burton Branch
Jate Branch
Kallor
Otter Creek
Long Branch
Fergason
McGill Branch
Pipeline
Telephone
Seaboard
Southern
Radio Tower (WBTV)
Radio Tower (WLTC)
Radio Tower (WGAS)
Radio Tower (WAAK)
Substation
Water Tank
Cemetery
Hospital
Fire Sta
Library
Post Office
Filtration Plant
Sewage Pumping Sta
Mt Pleasant Ch
Sandy Plains Ch
Boyd Bridge
Lookout Tower

APPENDIX B

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

SISB/SAS
RECEIVED
JAN 09 1991
EPA - REGION IV
ATLANTA, GA

*****MEMORANDUM******

DATE: 01/02/91

SUBJECT: Results of Extractable Organic Analysis;
90-699 UNIROYAL INC
GASTONIA NC
CASE NO: 14748

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

*****MEMORANDUM******

SISD/SAS
RECEIVED
JAN 09 1991
EPA - REGION IV
ATLANTA, GA

DATE: 01/02/91

SUBJECT: Results of Purgeable Organic Analysis;
90-699 UNIROYAL INC
GASTONIA NC Gastonia
CASE NO: 14748

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

cc:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

SISB/SAS
RECEIVED
JAN 09 1991
EPA - REGION IV
ATLANTA, GA

*****MEMORANDUM******

DATE: 01/02/91

SUBJECT: Results of Pesticide/PCB Analysis;
90-699 UNIROYAL INC
GASTONIA NC
CASE NO: 14748

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

SISB/SAS
RECEIVED
OCT 16 1990
EPA - REGION IV
ATLANTA, GA

*****MEMORANDUM******

DATE: 10/10/90

SUBJECT: Results of Specified Analysis;
90-699 UNIROYAL INC
GASTONIA NC
CASE NO: 14748

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

CC:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

SISL/SAS
RECEIVED
OCT 1 9 1990
EPA - REGION IV
ATLANTA, GA

*****MEMORANDUM******

DATE: 10/10/90

SUBJECT: Results of Metals Analysis;
90-699 - UNIROYAL INC.
GASTONIA NC
CASE NO: 14748

NCD003164464

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

ORGANIC DATA QUALIFIER REPORT

Case Number 14748 Project Number 90-699 SAS Number

Site ID. Uniroyal Inc., Gastonia, NC.

Affected Samples	Compound or Fraction	Flag Used	Reason
Volatiles			
DW778,775	all positives	J	<quantitation limit
Extractables			
all soil samples	bis(2-chloroethyl)ether	R	unacceptable recovery blind spike
	hexachloroethane	R	unacceptable recovery blind spike
all samples	dimethylphthalate	R	unacceptable recovery blind spike
DW765,778-781	all positives	J	<quantitation limit
DW772	fluoranthene	J	<quantitation limit
	di-n-octylphthalate	J	internal standard out of criteria
	benzo(b/k)fluoranthene	J	internal satndard out of criteria
	benzo(a)pyrene	J	internal standard out of criteria
	indeno(1,2,3-cd)pyrene	J	internal standard out of criteria
	dibenz(a,h)anthracene	J	internal standard out of criteria
	benzo(g,h,i)perylene	J	internal standard out of criteria
DW774	all positives except pyrene	J	<quantitation limit
DW769	naphthalene	J	<quantitation limit
	2-methylnaphthalene	J	<quantitation limit
	acenaphthene	J	<quantitation limit
	dibenzofuran	J	<quantitation limit
	fluorene	J	<quantitation limit
	indeno(1,2,3-cd)pyrene	J	<quantitation limit
DW773	acenaphthylene	J	<quantitation limit
	phenanthrene	J	<quantitation limit
	anthracene	J	<quantitation limit
	benzo(a)anthracene	J	<quantitation limit
	benzo(a)pyrene	J	<quantitation limit
Pesticides			
all soil samples	endosulfan II	R	unacceptable recovery blind spike
	alpha-BHC	J	low recovery blind spike

ORGANIC DATA QUALIFIER REPORT

Case Number 14748 Project Number 90-699 SAS Number

Site ID. Uniroyal Inc., Gastonia, NC.

Affected Samples	Compound or Fraction	Flag Used	Reason
Volatiles			
DW778,775	all positives	J	<quantitation limit
Extractables			
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	hexachloroethane	R	unacceptable recovery blind spike
all samples	dimethylphthalate	R	unacceptable recovery blind spike
DW765,778-781	all positives	J	<quantitation limit
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	di-n-octylphthalate	J	internal standard out of criteria
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DW774	all positives except pyrene	J	<quantitation limit
DW769	naphthalene	J	<quantitation limit
	2-methylnaphthalene	J	<quantitation limit
	acenaphthene	J	<quantitation limit
	dibenzofuran	J	<quantitation limit
	fluorene	J	<quantitation limit
	indeno(1,2,3-cd)pyrene	J	<quantitation limit
DW773	acenaphthylene	J	<quantitation limit
	phenanthrene	J	<quantitation limit
	anthracene	J	<quantitation limit
	benzo(a)anthracene	J	<quantitation limit
	benzo(a)pyrene	J	<quantitation limit
Pesticides			
all soil samples	endosulfan II	R	unacceptable recovery blind spike
	alpha-BHC	J	low recovery blind spike

ORGANIC DATA QUALIFIER REPORT

Case Number 14748 Project Number 90-699 SAS Number

Site ID. Uniroyal Inc., Gastonia, NC.

Affected Samples	Compound or Fraction	Flag Used	Reason
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	benzo(b/k)fluoranthene	J	internal satndard out of criteria
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	dibenzofuran	J	<quantitation limit
	fluorene	J	<quantitation limit
	indeno(1,2,3-cd)pyrene	J	<quantitation limit
DW773	acenaphthylene	J	<quantitation limit
	phenanthrene	J	<quantitation limit
	anthracene	J	<quantitation limit
	benzo(a)anthracene	J	<quantitation limit
	benzo(a)pyrene	J	<quantitation limit
Pesticides			
all soil samples	endosulfan II	R	unacceptable recovery blind spike
	alpha-BHC	J	low recovery blind spike

INORGANIC DATA QUALIFIERS REPORT

Case Number: 14748
Project Number: 90-699
Site: Uniroyal Inc. Gastonia, NC

Element	Flag	Samples Affected	Reason
A. Water			
Ni, Mn, Tl	U	All positives > IDL but < CRDL	Baseline instability
Al, Ba, Ca, Fe, Hg, Mg, Na, Zn Pb, As	U	All positives > IDL but < 10x contaminant level	Positives in Blanks
Se	J	All	Matrix spike recovery - 35%
Pb	J	All	Blind spike recovery - 35.5%
Ag, Sb	JN	All positives with Fe concentrations in solution >200,000 ug/L	Suspected positive interference as noted in the blind and contractor ICS
As	JN	All positives with Al concentrations in solution >10,000 ug/L	Suspected positive interference as noted in the blind ICS
Ag	J	All	Matrix spike recovery - 32.8%
Zn	J	All	Matrix duplicate RPD - 97.9%
Ca	J	All	Serial dilution percent difference - 12.8%
Fe	J	All	Serial dilution percent difference - 32.3%
CN	J R	All positives All negatives	Technical holding time exceeded Blind spike recovery - 0%
B. Soils			
Ni, Mn, Tl	U	All positives > IDL but < CRDL	Baseline instability
Al, Ba, Ca, Fe, Hg, Mg, Na, Zn Pb, As	U	All positives > IDL but < 10x contaminant level	Positives in Blanks
Sb	J	All	Matrix spike recovery - 40.2%
As	J	All positives	Matrix spike recovery - 184.7%
Se	J R	All positives All negatives	Matrix spike recovery - 0%
Ag	J	All	Matrix spike recovery - 53%
Al	J	All	Serial dilution percent difference - 18.2%

INORGANIC DATA QUALIFIERS REPORT (continued)

Element	Flag	Samples Affected	Reason
Ba	J	All	Serial dilution percent difference = 29.4%
Fe	J	All	Serial dilution percent difference = 27.8%
Mg	J	All	Serial dilution percent difference = 15.2%
Mn	J	All	Serial dilution percent difference = 23.4%
Ag, Sb	JN	All positives with Al or Fe concentrations in solution >200,000 ug/L	Suspected positive interference as noted in the blind and contractor ICS
As	JN	All positives with Al concentrations in solution >10,000 ug/L	Suspected positive interference as noted in the blind ICS
CN	J R	All positives All negatives	Blind spike recovery = 0%

INORGANIC DATA QUALIFIERS REPORT

Case Number: 14748
Project Number: 90-699
Site: Uniroyal Inc. Gastonia, NC

Element	Flag	Samples Affected	Reason
A. Water			
Ni, Mn, Tl	U	All positives > IDL but < CRDL	Baseline instability
Al, Ba, Ca, Fe, Hg, Mg, Na, Zn Pb, As	U	All positives > IDL but < 10x contaminant level	Positives in Blanks
Se	J	All	Matrix spike recovery - 35%
Pb	J	All	Blind spike recovery - 35.5%
Ag, Sb	JN	All positives with Fe concentrations in solution >200,000 ug/L	Suspected positive interference as noted in the blind and contractor ICS
As	JN	All positives with Al concentrations in solution >10,000 ug/L	Suspected positive interference as noted in the blind ICS
Ag	J	All	Matrix spike recovery - 32.8%
Zn	J	All	Matrix duplicate RPD - 97.9%
Ca	J	All	Serial dilution percent difference - 12.8%
Fe	J	All	Serial dilution percent difference - 32.3%
CN	J R	All positives All negatives	Technical holding time exceeded Blind spike recovery - 0%
B. Soils			
Ni, Mn, Tl	U	All positives > IDL but < CRDL	Baseline instability
Al, Ba, Ca, Fe, Hg, Mg, Na, Zn Pb, As	U	All positives > IDL but < 10x contaminant level	Positives in Blanks
Sb	J	All	Matrix spike recovery - 40.2%
As	J	All positives	Matrix spike recovery - 184.7%
Se	J R	All positives All negatives	Matrix spike recovery - 0%
Ag	J	All	Matrix spike recovery - 53%
Al	J	All	Serial dilution percent difference - 18.2%

INORGANIC DATA QUALIFIERS REPORT (continued)

Element	Flag	Samples Affected	Reason
Ba	J	All	Serial dilution percent difference = 29.4%
Fe	J	All	Serial dilution percent difference = 27.8%
Mg	J	All	Serial dilution percent difference = 15.2%
Mn	J	All	Serial dilution percent difference = 23.4%
Ag, Sb	JN	All positives with Al or Fe concentrations in solution >200,000 ug/L	Suspected positive interference as noted in the blind and contractor ICS
As	JN	All positives with Al concentrations in solution >10,000 ug/L	Suspected positive interference as noted in the blind ICS
CN	J R	All positives All negatives	Blind spike recovery = 0%

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49257 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC
STATION ID: SW-01 COLLECTION START: 08/21/90 1610 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W775

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
~~10U~~	~~ACETONE~~
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
~~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
1J	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*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.

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49257 SAMPLE TYPE: SURFACEWA
SOURCE: UNIROYAL INC
STATION ID: SW-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1610 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W775

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
49U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
49U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
49U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
49U	3-NITROANILINE
10U	ACENAPHTHENE
49U	2,4-DINITROPHENOL
49U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
49U	4-NITROANILINE
49U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
49U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

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.

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49257 SAMPLE TYPE: SURFACEWA
SOURCE: UNIROYAL INC
STATION ID: SW-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1610 STOP: 00/00/00
D. NUMBER: W775

UG/L	ANALYTICAL RESULTS
0.050U	ALPHA-BHC
0.050U	BETA-BHC
0.050U	DELTA-BHC
0.050U	GAMMA-BHC (LINDANE)
0.050U	HEPTACHLOR
0.050U	ALDRIN
0.050U	HEPTACHLOR EPOXIDE
0.050U	ENDOSULFAN I (ALPHA)
0.10U	DIELDRIN
0.10U	4,4'-DDE (P,P'-DDE)
0.10U	ENDRIN
0.10U	ENDOSULFAN II (BETA)
0.10U	4,4'-DDD (P,P'-DDD)
0.10U	ENDOSULFAN SULFATE
0.10U	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50U	METHOXYCHLOR
0.10U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
0.50U	GAMMA-CHLORDANE /2
0.50U	ALPHA-CHLORDANE /2
1.0U	TOXAPHENE
0.50U	PCB-1016 (AROCLOR 1016)
0.50U	PCB-1221 (AROCLOR 1221)
0.50U	PCB-1232 (AROCLOR 1232)
0.50U	PCB-1242 (AROCLOR 1242)
0.50U	PCB-1248 (AROCLOR 1248)
1.0U	PCB-1254 (AROCLOR 1254)
1.0U	PCB-1260 (AROCLOR 1260)

REMARKS

REMARKS

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

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49258 SAMPLE TYPE:
SOURCE:
STATION ID: SW-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1500 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W777

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49258 SAMPLE TYPE:
SOURCE:
STATION ID: SW-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1500 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W777

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
49U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
49U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
49U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
49U	3-NITROANILINE
10U	ACENAPHTHENE
49U	2,4-DINITROPHENOL
49U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
49U	4-NITROANILINE
49U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
49U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

REMARKS

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49258 SAMPLE TYPE:
SOURCE:
STATION ID: SW-02
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1500 STOP: 00/00/00
D. NUMBER: W777

UG/L	ANALYTICAL RESULTS
0.050U	ALPHA-BHC
0.050U	BETA-BHC
0.050U	DELTA-BHC
0.050U	GAMMA-BHC (LINDANE)
0.050U	HEPTACHLOR
0.050U	ALDRIN
0.050U	HEPTACHLOR EPOXIDE
0.050U	ENDOSULFAN I (ALPHA)
0.10U	DIELDRIN
0.10U	4,4'-DDE (P,P'-DDE)
0.10U	ENDRIN
0.10U	ENDOSULFAN II (BETA)
0.10U	4,4'-DDD (P,P'-DDD)
0.10U	ENDOSULFAN SULFATE
0.10U	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50U	METHOXYCHLOR
0.10U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
0.50U	GAMMA-CHLORDANE /2
0.50U	ALPHA-CHLORDANE /2
1.0U	TOXAPHENE
0.50U	PCB-1016 (AROCLOR 1016)
0.50U	PCB-1221 (AROCLOR 1221)
0.50U	PCB-1232 (AROCLOR 1232)
0.50U	PCB-1242 (AROCLOR 1242)
0.50U	PCB-1248 (AROCLOR 1248)
1.0U	PCB-1254 (AROCLOR 1254)
1.0U	PCB-1260 (AROCLOR 1260)

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.

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49256 SAMPLE TYPE: SURFACEWA
SOURCE: UNIROYAL INC
STATION ID: PB-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 0915 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W768

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
23	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
10	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

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

REMARKS

REMARKS

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49256 SAMPLE TYPE: SURFACEWA
SOURCE: UNIROYAL INC
STATION ID: PB-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 0915 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W768

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
49U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
49U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
49U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
49U	3-NITROANILINE
10U	ACENAPHTHENE
49U	2,4-DINITROPHENOL
49U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
49U	4-NITROANILINE
49U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
49U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
20U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

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.

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49256 SAMPLE TYPE: SURFACEWA
SOURCE: UNIROYAL INC
STATION ID: PB-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 0915 STOP: 00/00/00
D. NUMBER: W768

UG/L	ANALYTICAL RESULTS
0.052U	ALPHA-BHC
0.052U	BETA-BHC
0.052U	DELTA-BHC
0.052U	GAMMA-BHC (LINDANE)
0.052U	HEPTACHLOR
0.052U	ALDRIN
0.052U	HEPTACHLOR EPOXIDE
0.052U	ENDOSULFAN I (ALPHA)
0.10U	DIELDRIN
0.10U	4,4'-DDE (P,P'-DDE)
0.10U	ENDRIN
0.10U	ENDOSULFAN II (BETA)
0.10U	4,4'-DDD (P,P'-DDD)
0.10U	ENDOSULFAN SULFATE
0.10U	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.52U	METHOXYCHLOR
0.10U	ENDRIN KETONE
—	CHLORDANE (TECH. MIXTURE) /1
0.52U	GAMMA-CHLORDANE /2
0.52U	ALPHA-CHLORDANE /2
1.0U	TOXAPHENE
0.52U	PCB-1016 (AROCLOR 1016)
0.52U	PCB-1221 (AROCLOR 1221)
0.52U	PCB-1232 (AROCLOR 1232)
0.52U	PCB-1242 (AROCLOR 1242)
0.52U	PCB-1248 (AROCLOR 1248)
1.0U	PCB-1254 (AROCLOR 1254)
1.0U	PCB-1260 (AROCLOR 1260)

REMARKS

REMARKS

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

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49243 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SB-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1015 STOP: 00/00/00
MD NUMBER: W766

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
20000J	ALUMINUM	120J	MANGANESE
4.7UJ	ANTIMONY	0.11U	MERCURY
34JN	ARSENIC	6.2U	NICKEL
41J	BARIUM	3100	POTASSIUM
1.7	BERYLLIUM	4.5UR	SELENIUM
1.2U	CADMIUM	7.8J	SILVER
190U	CALCIUM	90U	SODIUM
8.2	CHROMIUM	1U	THALLIUM
3.5	COBALT	NA	TIN
21	COPPER	40	VANADIUM
20000J	IRON	42	ZINC
26	LEAD	17	PERCENT MOISTURE
2400J	MAGNESIUM		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49247 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SB-04
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1055 STOP: 00/00/00
MD NUMBER: W770

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
28000J	ALUMINUM	470J	MANGANESE
20UJ	ANTIMONY	0.09U	MERCURY
30UJ	ARSENIC	8.9	NICKEL
120J	BARIUM	9000	POTASSIUM
1.9	BERYLLIUM	0.47UR	SELENIUM
1.2U	CADMIUM	16J	SILVER
560	CALCIUM	310U	SODIUM
24	CHROMIUM	1U	THALLIUM
15	COBALT	NA	TIN
9.5	COPPER	76	VANADIUM
35000J	IRON	85	ZINC
30	LEAD	19	PERCENT MOISTURE
8800J	MAGNESIUM		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49242 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1005 STOP: 00/00/00
MD NUMBER: W765

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3400J	ALUMINUM	26J	MANGANESE
3.8UJ	ANTIMONY	0.08U	MERCURY
~~[illegible]~~	~~ARSENIC~~	~~4.2U~~	~~NICKEL~~
16J	BARIUM	~~80U~~	~~POTASSIUM~~
~~0.78U~~	~~BERYLLIUM~~	0.38UR	SELENIUM
~~[illegible]~~	~~CADMIUM~~	~~1.7UJ~~	~~SILVER~~
560	CALCIUM	~~70U~~	~~SODIUM~~
2	CHROMIUM	0.19U	THALLIUM
~~1.5U~~	~~COBALT~~	NA	TIN
22	COPPER	4.7	VANADIUM
2500J	IRON	~~9U~~	~~ZINC~~
~~[illegible]~~	~~[illegible]~~		PERCENT MOISTURE
~~2000J~~	~~MAGNESIUM~~		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49244 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-02
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1355 STOP: 00/00/00
MD NUMBER: W772

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
5800J	ALUMINUM	110J	MANGANESE
20UJ	ANTIMONY	0.1U	MERCURY
16JN	ARSENIC	9.7	NICKEL
23J	BARIUM	1900	POTASSIUM
1U	BERYLLIUM	0.43UR	SELENIUM
2U	CADMIUM	3J	SILVER
9600	CALCIUM	90U	SODIUM
21	CHROMIUM	1U	THALLIUM
4.3	COBALT	NA	TIN
34	COPPER	25	VANADIUM
16000J	IRON	570	ZINC
86	LEAD	10	PERCENT MOISTURE
8300J	MAGNESIUM		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49245 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-03
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1335 STOP: 00/00/00
MD NUMBER: W774

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
21000J	ALUMINUM	180J	MANGANESE
4.6UJ	ANTIMONY	0.3U	MERCURY
16JN	ARSENIC	6.1	NICKEL
91J	BARIUM	3200	POTASSIUM
1.4	BERYLLIUM	0.46UR	SELENIUM
1.1U	CADMIUM	7.7J	SILVER
800	CALCIUM	110U	SODIUM
14	CHROMIUM	1U	THALLIUM
6.6	COBALT	NA	TIN
9.2	COPPER	48	VANADIUM
22000J	IRON	90	ZINC
20U	LEAD	19	PERCENT MOISTURE
3300J	MAGNESIUM		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49246 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-04
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1035 STOP: 00/00/00
MD NUMBER: W769

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
20000J	ALUMINUM	170J	MANGANESE
8UJ	ANTIMONY	0.10U	MERCURY
15JN	ARSENIC	7.3	NICKEL
57J	BARIUM	2500	POTASSIUM
1.2	BERYLLIUM	0.41UR	SELENIUM
1U	CADMIUM	6.2J	SILVER
13000	CALCIUM	1400	SODIUM
11	CHROMIUM	0.21U	THALLIUM
6.1	COBALT	NA	TIN
39	COPPER	35	VANADIUM
17000J	IRON	100	ZINC
35	LEAD	08	PERCENT MOISTURE
4600J	MAGNESIUM		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49248 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-05
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1145 STOP: 00/00/00
MD NUMBER: W771

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
22000J	ALUMINUM	280J	MANGANESE
5.6UJ	ANTIMONY	1U	MERCURY
28JN	ARSENIC	12	NICKEL
130J	BARIUM	7200	POTASSIUM
2	BERYLLIUM	0.57UR	SELENIUM
1.6	CADMIUM	14J	SILVER
2200	CALCIUM	110U	SODIUM
19	CHROMIUM	0.29U	THALLIUM
13	COBALT	NA	TIN
23	COPPER	62	VANADIUM
26000J	IRON	380	ZINC
48	LEAD	32	PERCENT MOISTURE
7700J	MAGNESIUM		

REMARKS

REMARKS

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

METALS DATA REPORT 10/09/90

PROJECT NO. 90-699 SAMPLE NO. 49249 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-06
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1420 STOP: 00/00/00
MD NUMBER: W773

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3000J	ALUMINUM	94J	MANGANESE
20UJ	ANTIMONY	0.08U.	MERCURY
3UJ	ARSENIC	4.4U	NICKEL
13J	BARIUM	1200	POTASSIUM
0.80U	BERYLLIUM	0.41UR	SELENIUM
1U	CADMIUM	3.3J	SILVER
31000	CALCIUM	60U	SODIUM
7.2	CHROMIUM	1U	THALLIUM
1.6U	COBALT	NA	TIN
3.3	COPPER	11	VANADIUM
4900J	IRON	71	ZINC
30	LEAD	04	PERCENT MOISTURE
7500J	MAGNESIUM		

REMARKS ***REMARKS***

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 19250 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1630 STOP: 00/00/00
MD NUMBER: W776

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
750J	ALUMINUM	29J	MANGANESE
4.5UJ	ANTIMONY	0.10U	MERCURY
7UJ	ARSENIC	5U	NICKEL
11J	BARIUM	440	POTASSIUM
0.91U	BERYLLIUM	0.38UR	SELENIUM
1.1U	CADMIUM	2UJ	SILVER
100U	CALCIUM	5.9U	SODIUM
2.4	CHROMIUM	1U	THALLIUM
[illegible]	COBALT	NA	TIN
4.5	COPPER	5.3	VANADIUM
1600J	IRON	20U	ZINC
[illegible]	LEAD	16	PERCENT MOISTURE
370UJ	MAGNESIUM		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49251 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-02
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1510 STOP: 00/00/00
MD NUMBER: W779

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
2700J	ALUMINUM	48J	MANGANESE
4.3UJ	ANTIMONY	0.4U	MERCURY
4UJ	ARSENIC	4.8U	NICKEL
24J	BARIUM	830	POTASSIUM
0.87U	BERYLLIUM	0.41UR	SELENIUM
1.1U	CADMIUM	2UJ	SILVER
150U	CALCIUM	5.6U	SODIUM
3.1	CHROMIUM	0.20U	THALLIUM
3U	COBALT	NA	TIN
3.1	COPPER	9.4	VANADIUM
3800J	IRON	22	ZINC
20U	LEAD	21	PERCENT MOISTURE
900J	MAGNESIUM		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49252 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-03
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1530 STOP: 00/00/00
MD NUMBER: W778

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
1700J	ALUMINUM	25J	MANGANESE
5UJ	ANTIMONY	0.6U	MERCURY
3UJ	ARSENIC	5.5U	NICKEL
15J	BARIUM	400	POTASSIUM
1U	BERYLLIUM	0.48UR	SELENIUM
1.3U	CADMIUM	2.3UJ	SILVER
200U	CALCIUM	6.5U	SODIUM
3.2	CHROMIUM	1U	THALLIUM
2U	COBALT	NA	TIN
2.2	COPPER	7.5	VANADIUM
2400J	IRON	20U	ZINC
78	LEAD	20	PERCENT MOISTURE
650J	MAGNESIUM		

REMARKS

REMARKS

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49253 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-04
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1555 STOP: 00/00/00
MD NUMBER: W780

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
13000J	ALUMINUM	200J	MANGANESE
5.3UJ	ANTIMONY	0.12U	MERCURY
9UJ	ARSENIC	5.9U	NICKEL
92J	BARIUM	4600	POTASSIUM
1.1U	BERYLLIUM	0.51UR	SELENIUM
1.3U	CADMIUM	4.6J	SILVER
230U	CALCIUM	10U	SODIUM
7.5	CHROMIUM	1U	THALLIUM
7.5	COBALT	NA	TIN
6	COPPER	31	VANADIUM
14000J	IRON	82	ZINC
8U	LEAD	27	PERCENT MOISTURE
4000J	MAGNESIUM		

REMARKS

REMARKS

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

METALS DATA REPORT 10/09/90

PROJECT NO. 90-699 SAMPLE NO. 49254 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-05
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1605 STOP: 00/00/00
MD NUMBER: W781

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3000J	ALUMINUM	44J	MANGANESE
5.4UJ	ANTIMONY	0.11U	MERCURY
2UJ	ARSENIC	6U	NICKEL
20J	BARIUM	760	POTASSIUM
1.1U	BERYLLIUM	0.54UR	SELENIUM
1.4U	CADMIUM	2.5UJ	SILVER
180U	CALCIUM	7.1U	SODIUM
8.4	CHROMIUM	1U	THALLIUM
2.2U	COBALT	NA	TIN
6.2	COPPER	15	VANADIUM
4400J	IRON	25	ZINC
16	LEAD	28	PERCENT MOISTURE
910J	MAGNESIUM		

REMARKS ***REMARKS***

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

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49256 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC
STATION ID: PB-01 COLLECTION START: 08/21/90 0915 STOP: 00/00/00
CASE NUMBER: 14748 SAS NUMBER: MD NUMBER: W768

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
80U	ALUMINUM	5U	MANGANESE
20U	ANTIMONY	0.20U	MERCURY
4U	ARSENIC	22U	NICKEL
20U	BARIUM	700	POTASSIUM
4U	BERYLLIUM	2UJ	SELENIUM
5U	CADMIUM	9UJ	SILVER
730UJ	CALCIUM	810U	SODIUM
6U	CHROMIUM	1U	THALLIUM
10U	COBALT	NA	TIN
7	COPPER	4U	VANADIUM
90UJ	IRON	50UJ	ZINC
2UJ	LEAD		
410U	MAGNESIUM		

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.

10/09/90

METALS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49257 SAMPLE TYPE: SURFACEWA
SOURCE: UNIROYAL INC
STATION ID: SW-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1610 STOP: 00/00/00
MD NUMBER: W775

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
480U	ALUMINUM	29	MANGANESE
20U	ANTIMONY	0.20U	MERCURY
6U	ARSENIC	22U	NICKEL
47	BARIUM	3400	POTASSIUM
4U	BERYLLIUM	20UJ	SELENIUM
5U	CADMIUM	9UJ	SILVER
14000J	CALCIUM	22000	SODIUM
6U	CHROMIUM	1U	THALLIUM
8U	COBALT	NA	TIN
14	COPPER	4U	VANADIUM
940J	IRON	40UJ	ZINC
2UJ	LEAD		
2700	MAGNESIUM		

REMARKS

REMARKS

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

METALS DATA REPORT 10/09/90

PROJECT NO. 90-699 SAMPLE NO. 49258 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC
STATION ID: SW-02 COLLECTION START: 08/21/90 1500 STOP: 00/00/00
CASE NUMBER: 14748 SAS NUMBER: MD NUMBER: W777

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
300U	ALUMINUM	33	MANGANESE
20U	ANTIMONY	0.20U	MERCURY
2U	ARSENIC	22U	NICKEL
48	BARIUM	3400	POTASSIUM
4U	BERYLLIUM	20UJ	SELENIUM
5U	CADMIUM	9UJ	SILVER
14000J	CALCIUM	22000	SODIUM
6U	CHROMIUM	1U	THALLIUM
8U	COBALT	NA	TIN
13	COPPER	4U	VANADIUM
690J	IRON	60UJ	ZINC
1UJ	LEAD		
2700	MAGNESIUM		

REMARKS ***REMARKS***

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49262 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: TB-01S

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/17/90 1220 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W767

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
5U	METHYLENE CHLORIDE
50	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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49243 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1015 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W766

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
6U	METHYLENE CHLORIDE
no ~~12U~~	~~ACETONE~~ nevermind
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

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

REMARKS

REMARKS

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

** PROJECT NO. 90-699 SAMPLE NO. 49243 SAMPLE TYPE: SOIL
** SOURCE: UNIROYAL INC
** STATION ID: SB-01
**
** CASE NO.: 14748 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1015 STOP: 00/00/00
D. NO.: W766

UG/KG	ANALYTICAL RESULTS
410U	PHENOL
410UR	BIS(2-CHLOROETHYL) ETHER
410U	2-CHLOROPHENOL
410U	1,3-DICHLOROBENZENE
410U	1,4-DICHLOROBENZENE
410U	BENZYL ALCOHOL
410U	1,2-DICHLOROBENZENE
410U	2-METHYLPHENOL
410U	BIS(2-CHLOROISOPROPYL) ETHER
410U	(3-AND/OR 4-)METHYLPHENOL
410U	N-NITROSODI-N-PROPYLAMINE
410UR	HEXACHLOROETHANE
410U	NITROBENZENE
410U	ISOPHORONE
410U	2-NITROPHENOL
410U	2,4-DIMETHYLPHENOL
2000U	BENZOIC ACID
410U	BIS(2-CHLOROETHOXY) METHANE
410U	2,4-DICHLOROPHENOL
410U	1,2,4-TRICHLOROBENZENE
410U	NAPHTHALENE
410U	4-CHLOROANILINE
410U	HEXACHLOROBUTADIENE
410U	4-CHLORO-3-METHYLPHENOL
410U	2-METHYLNAPHTHALENE
410U	HEXACHLOROCYCLOPENTADIENE (HCCP)
410U	2,4,6-TRICHLOROPHENOL
2000U	2,4,5-TRICHLOROPHENOL
410U	2-CHLORONAPHTHALENE
2000U	2-NITROANILINE
410UR	DIMETHYL PHTHALATE
410U	ACENAPHTHYLENE
410U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2000U	3-NITROANILINE
410U	ACENAPHTHENE
2000U	2,4-DINITROPHENOL
2000U	4-NITROPHENOL
410U	DIBENZOFURAN
410U	2,4-DINITROTOLUENE
410U	DIETHYL PHTHALATE
410U	4-CHLOROPHENYL PHENYL ETHER
410U	FLUORENE
2000U	4-NITROANILINE
2000U	2-METHYL-4,6-DINITROPHENOL
410U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
410U	4-BROMOPHENYL PHENYL ETHER
410U	HEXACHLOROBENZENE (HCB)
2000U	PENTACHLOROPHENOL
410U	PHENANTHRENE
410U	ANTHRACENE
410U	DI-N-BUTYLPHTHALATE
410U	FLUORANTHENE
410U	PYRENE
410U	BENZYL BUTYL PHTHALATE
820U	3,3'-DICHLOROBENZIDINE
410U	BENZO(A)ANTHRACENE
410U	CHRYSENE
410U	BIS(2-ETHYLHEXYL) PHTHALATE
410U	DI-N-OCTYLPHTHALATE
410U	BENZO(B AND/OR K)FLUORANTHENE
410U	BENZO-A-PYRENE
410U	INDENO (1,2,3-CD) PYRENE
410U	DIBENZO(A,H)ANTHRACENE
410U	BENZO(GHI)PERYLENE
19	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49243 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SB-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1015 STOP: 00/00/00
D. NUMBER: W766

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

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

REMARKS

REMARKS

FOOTNOTES
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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.

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49247 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SB-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1055 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W770

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

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

REMARKS

REMARKS

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49247 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SB-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1055 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W770

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
2000U	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
2000U	2,4,5-TRICHLOROPHENOL
400U	2-CHLORONAPHTHALENE
2000U	2-NITROANILINE
400UR	DIMETHYL PHTHALATE
400U	ACENAPHTHYLENE
400U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2000U	3-NITROANILINE
400U	ACENAPHTHENE
2000U	2,4-DINITROPHENOL
2000U	4-NITROPHENOL
400U	DIBENZOFURAN
400U	2,4-DINITROTOLUENE
400U	DIETHYL PHTHALATE
400U	4-CHLOROPHENYL PHENYL ETHER
400U	FLUORENE
2000U	4-NITROANILINE
2000U	2-METHYL-4,6-DINITROPHENOL
400U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
400U	4-BROMOPHENYL PHENYL ETHER
400U	HEXACHLOROBENZENE (HCB)
2000U	PENTACHLOROPHENOL
400U	PHENANTHRENE
400U	ANTHRACENE
400U	DI-N-BUTYLPHTHALATE
400U	FLUORANTHENE
400U	PYRENE
400U	BENZYL BUTYL PHTHALATE
810U	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
20	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49247 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SB-04
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1055 STOP: 00/00/00
D. NUMBER: W770

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

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

REMARKS

REMARKS

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

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49242 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1005 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W765

UG/KG	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
~~10U~~	~~ACETONE~~
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
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
30U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES
3	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49242 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1005 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W765

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
340UR	DIMETHYL PHTHALATE
340U	ACENAPHTHYLENE
340U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1600U	3-NITROANILINE
340U	ACENAPHTHENE
1600U	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
44J	FLUORANTHENE
39J	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

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.

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***

** PROJECT NO. 90-699 SAMPLE NO. 49242 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN **
** SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC **
** STATION ID: SS-01 COLLECTION START: 08/21/90 1005 STOP: 00/00/00 **
** CASE.NO.: 14748 SAS NO.: D. NO.: W765 MD NO: W765 **
** **

*** ***

ANALYTICAL RESULTS UG/KG

300JN	HEXADECANOIC ACID
1000JN	OCTAHYDRODIMETHYLMETHYLETHENYLNAPHTHALENE

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.

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49242 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1005 STOP: 00/00/00
D. NUMBER: W765

UG/KG	ANALYTICAL RESULTS
16UJ	ALPHA-BHC
16U	BETA-BHC
16U	DELTA-BHC
16U	GAMMA-BHC (LINDANE)
16U	HEPTACHLOR
16U	ALDRIN
16U	HEPTACHLOR EPOXIDE
~~16U~~	~~ENDOSULFAN I (ALPHA)~~
33U	DIELDRIN
33U	4,4'-DDE (P,P'-DDE)
33U	ENDRIN
33UR	ENDOSULFAN II (BETA)
33U	4,4'-DDD (P,P'-DDD)
33U	ENDOSULFAN SULFATE
33U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
160U	METHOXYCHLOR
33U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
160U	GAMMA-CHLORDANE /2
160U	ALPHA-CHLORDANE /2
330U	TOXAPHENE
160U	PCB-1016 (AROCLOR 1016)
160U	PCB-1221 (AROCLOR 1221)
160U	PCB-1232 (AROCLOR 1232)
160U	PCB-1242 (AROCLOR 1242)
160U	PCB-1248 (AROCLOR 1248)
~~330U~~	~~PCB-1254 (AROCLOR 1254)~~
330U	PCB-1260 (AROCLOR 1260)
3	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

** PROJECT NO. 90-699 SAMPLE NO. 49244 SAMPLE TYPE: SOIL
** SOURCE: UNIROYAL INC
** STATION ID: SS-02
**
** CASE NO.: 14748 SAS NO.: D. NO.: W772

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1355 STOP: 00/00/00

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

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

REMARKS

REMARKS

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49244 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1355 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W772

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
390UR	DIMETHYL PHTHALATE
390U	ACENAPHTHYLENE
390U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
390U	ACENAPHTHENE
1900U	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
78J	FLUORANTHENE
390U	PYRENE
390U	BENZYL BUTYL PHTHALATE
780U	3,3'-DICHLOROBENZIDINE
390U	BENZO(A)ANTHRACENE
390U	CHRYSENE
2200	BIS(2-ETHYLHEXYL) PHTHALATE
390UJ	DI-N-OCTYLPHTHALATE
390UJ	BENZO(B AND/OR K)FLUORANTHENE
390UJ	BENZO-A-PYRENE
390UJ	INDENO (1,2,3-CD) PYRENE
390UJ	DIBENZO(A,H)ANTHRACENE
390UJ	BENZO(GHI)PERYLENE
18	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-699	SAMPLE NO. 49244 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC		CITY: GASTONIA ST: NC
STATION ID: SS-02		COLLECTION START: 08/21/90 1355 STOP: 00/00/00
CASE.NO.: 14748	SAS NO.:	D. NO.: W772 MD NO: W772

ANALYTICAL RESULTS UG/KG

N	PETROLEUM PRODUCT
10000J	10 UNIDENTIFIED COMPOUNDS
200JN	CHLOROISOCYANATOBENZENE
400JN	METHYLETHENYLMETHYLETHYLBENZENE (2 ISOMERS)
300JN	PHTHALIC ANHYDRIDE
1000JN	DIISOCYANATOMETHYLBENZENE
1000JN	HEXADECANOIC ACID

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49244 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-02
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1355 STOP: 00/00/00
D. NUMBER: W772

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

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

REMARKS

REMARKS

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49245 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-03

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1335 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W774

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

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

REMARKS

REMARKS

FOOTNOTES
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*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.

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49245 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-03

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1335 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W774

UG/KG	ANALYTICAL RESULTS
420U	PHENOL
420UR	BIS(2-CHLOROETHYL) ETHER
420U	2-CHLOROPHENOL
420U	1,3-DICHLOROBENZENE
420U	1,4-DICHLOROBENZENE
420U	BENZYL ALCOHOL
420U	1,2-DICHLOROBENZENE
420U	2-METHYLPHENOL
420U	BIS(2-CHLOROISOPROPYL) ETHER
420U	(3-AND/OR 4-)METHYLPHENOL
420U	N-NITROSODI-N-PROPYLAMINE
420UR	HEXACHLOROETHANE
420U	NITROBENZENE
420U	ISOPHORONE
420U	2-NITROPHENOL
420U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
420U	BIS(2-CHLOROETHOXY) METHANE
420U	2,4-DICHLOROPHENOL
420U	1,2,4-TRICHLOROBENZENE
420U	NAPHTHALENE
420U	4-CHLOROANILINE
420U	HEXACHLOROBUTADIENE
420U	4-CHLORO-3-METHYLPHENOL
420U	2-METHYLNAPHTHALENE
420U	HEXACHLOROCYCLOPENTADIENE (HCCP)
420U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
420U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
420UR	DIMETHYL PHTHALATE
84J	ACENAPHTHYLENE
420U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
420U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
420U	DIBENZOFURAN
420U	2,4-DINITROTOLUENE
420U	DIETHYL PHTHALATE
420U	4-CHLOROPHENYL PHENYL ETHER
420U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
420U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
420U	4-BROMOPHENYL PHENYL ETHER
420U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
85J	PHENANTHRENE
110J	ANTHRACENE
420U	DI-N-BUTYLPHTHALATE
400J	FLUORANTHENE
470	PYRENE
420U	BENZYL BUTYL PHTHALATE
850U	3,3'-DICHLOROBENZIDINE
240J	BENZO(A)ANTHRACENE
290J	CHRYSENE
420U	BIS(2-ETHYLHEXYL) PHTHALATE
420U	DI-N-OCTYLPHTHALATE
580J	BENZO(B AND/OR K)FLUORANTHENE
210J	BENZO-A-PYRENE
88J	INDENO (1,2,3-CD) PYRENE
420U	DIBENZO(A,H)ANTHRACENE
71J	BENZO(GHI)PERYLENE
22	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.

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49245 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-03
CASE.NO.: 14748 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1335 STOP: 00/00/00
D. NO.: W774 MD NO: W774

ANALYTICAL RESULTS UG/KG

4000J	3 UNIDENTIFIED COMPOUNDS
200JN	PHTHALIC ANHYDRIDE
300JN	DIISOCYANATOMETHYLBENZENE
400JN	HEXADECANOIC ACID
800JN	PROPARGITE
500JN	NAPHTHALENYLISOINDOLEDIONE

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.

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49245 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-03
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1335 STOP: 00/00/00
D. NUMBER: W774

UG/KG	ANALYTICAL RESULTS
21UJ	ALPHA-BHC
21U	BETA-BHC
21U	DELTA-BHC
21U	GAMMA-BHC (LINDANE)
21U	HEPTACHLOR
21U	ALDRIN
21U	HEPTACHLOR EPOXIDE
21U	ENDOSULFAN I (ALPHA)
41U	DIELDRIN
41U	4,4'-DDE (P,P'-DDE)
41U	ENDRIN
41UR	ENDOSULFAN II (BETA)
41U	4,4'-DDD (P,P'-DDD)
41U	ENDOSULFAN SULFATE
41U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
210U	METHOXYCHLOR
41U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
210U	GAMMA-CHLORDANE /2
210U	ALPHA-CHLORDANE /2
410U	TOXAPHENE
210U	PCB-1016 (AROCLOR 1016)
210U	PCB-1221 (AROCLOR 1221)
210U	PCB-1232 (AROCLOR 1232)
210U	PCB-1242 (AROCLOR 1242)
210U	PCB-1248 (AROCLOR 1248)
410U	PCB-1254 (AROCLOR 1254)
410U	PCB-1260 (AROCLOR 1260)
23	PERCENT MOISTURE

REMARKS

REMARKS

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

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49246 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1035 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W769

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
6U	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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49246 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1035 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W769

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
120J	NAPHTHALENE
370U	4-CHLOROANILINE
370U	HEXACHLOROBUTADIENE
370U	4-CHLORO-3-METHYLPHENOL
77J	2-METHYLNAPHTHALENE
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)
370U	2,4,6-TRICHLOROPHENOL
1800U	2,4,5-TRICHLOROPHENOL
370U	2-CHLORONAPHTHALENE
1800U	2-NITROANILINE
370UR	DIMETHYL PHTHALATE
370U	ACENAPHTHYLENE
370U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1800U	3-NITROANILINE
260J	ACENAPHTHENE
1800U	2,4-DINITROPHENOL
1800U	4-NITROPHENOL
170J	DIBENZOFURAN
370U	2,4-DINITROTOLUENE
370U	DIETHYL PHTHALATE
370U	4-CHLOROPHENYL PHENYL ETHER
350J	FLUORENE
1800U	4-NITROANILINE
1800U	2-METHYL-4,6-DINITROPHENOL
370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	4-BROMOPHENYL PHENYL ETHER
370U	HEXACHLOROBENZENE (HCB)
1800U	PENTACHLOROPHENOL
2000	PHENANTHRENE
620	ANTHRACENE
370U	DI-N-BUTYLPHTHALATE
2700	FLUORANTHENE
2100	PYRENE
370U	BENZYL BUTYL PHTHALATE
740U	3,3'-DICHLOROBENZIDINE
1400	BENZO(A)ANTHRACENE
1400	CHRYSENE
370U	BIS(2-ETHYLHEXYL) PHTHALATE
370U	DI-N-OCTYLPHTHALATE
2200	BENZO(B AND/OR K)FLUORANTHENE
1000	BENZO-A-PYRENE
350J	INDENO (1,2,3-CD) PYRENE
370U	DIBENZO(A,H)ANTHRACENE
370U	BENZO(GHI)PERYLENE
11	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.

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-699	SAMPLE NO. 49246	SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC			CITY: GASTONIA ST: NC
STATION ID: SS-04			COLLECTION START: 08/21/90 1035 STOP: 00/00/00
CASE.NO.: 14748	SAS NO.:		D. NO.: W769 MD NO: W769

ANALYTICAL RESULTS UG/KG

6000J	2 UNIDENTIFIED COMPOUNDS
400JN	CARBAZOLE
300JN	METHYLPHENANTHRENE
300JN	METHYLANTHRACENE
600JN	CYCLOPENTAPHENANTHRENE
600JN	HEXADECANOIC ACID
200JN	BENZONAPHTHOFURAN
200JN	METHYLPYRENE
300JN	BENZONAPHTHOTHIOPHENE
200JN	BENZOPHENANTHRENE
300JN	METHYLBENZANTHRACENE
400JN	BENZOPYRENE (NOT A)
1000JN	BENZOFLUORENE (2 ISOMERS)

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.

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49246 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-04
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1035 STOP: 00/00/00
D. NUMBER: W769

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

UG/KG	ANALYTICAL RESULTS
180U	METHOXYCHLOR
36U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
180U	GAMMA-CHLORDANE /2
180U	ALPHA-CHLORDANE /2
360U	TOXAPHENE
180U	PCB-1016 (AROCLOR 1016)
180U	PCB-1221 (AROCLOR 1221)
180U	PCB-1232 (AROCLOR 1232)
180U	PCB-1242 (AROCLOR 1242)
180U	PCB-1248 (AROCLOR 1248)
420	PCB-1254 (AROCLOR 1254)
360U	PCB-1260 (AROCLOR 1260)
11	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.

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49248 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-05

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1145 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W771

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
15U	CHLOROMETHANE	8U	1,2-DICHLOROPROPANE
15U	BROMOMETHANE	8U	CIS-1,3-DICHLOROPROPENE
15U	VINYL CHLORIDE	8U	TRICHLOROETHENE(TRICHLOROETHYLENE)
15U	CHLOROETHANE	8U	DIBROMOCHLOROMETHANE
8U	METHYLENE CHLORIDE	8U	1,1,2-TRICHLOROETHANE
15U	ACETONE	8U	BENZENE
8U	CARBON DISULFIDE	8U	TRANS-1,3-DICHLOROPROPENE
8U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	8U	BROMOFORM
8U	1,1-DICHLOROETHANE	15U	METHYL ISOBUTYL KETONE
8U	1,2-DICHLOROETHENE (TOTAL)	15U	METHYL BUTYL KETONE
8U	CHLOROFORM	8U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
8U	1,2-DICHLOROETHANE	8U	1,1,2,2-TETRACHLOROETHANE
15U	METHYL ETHYL KETONE	8U	TOLUENE
8U	1,1,1-TRICHLOROETHANE	8U	CHLOROBENZENE
8U	CARBON TETRACHLORIDE	8U	ETHYL BENZENE
15U	VINYL ACETATE	8U	STYRENE
8U	BROMODICHLOROMETHANE	8U	TOTAL XYLENES
		34	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.

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49248 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-05

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1145 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W771

UG/KG	ANALYTICAL RESULTS
500U	PHENOL
500UR	BIS(2-CHLOROETHYL) ETHER
500U	2-CHLOROPHENOL
500U	1,3-DICHLOROBENZENE
500U	1,4-DICHLOROBENZENE
500U	BENZYL ALCOHOL
500U	1,2-DICHLOROBENZENE
500U	2-METHYLPHENOL
500U	BIS(2-CHLOROISOPROPYL) ETHER
500U	(3-AND/OR 4-)METHYLPHENOL
500U	N-NITROSODI-N-PROPYLAMINE
500UR	HEXACHLOROETHANE
500U	NITROBENZENE
500U	ISOPHORONE
500U	2-NITROPHENOL
500U	2,4-DIMETHYLPHENOL
2400U	BENZOIC ACID
500U	BIS(2-CHLOROETHOXY) METHANE
500U	2,4-DICHLOROPHENOL
500U	1,2,4-TRICHLOROBENZENE
500U	NAPHTHALENE
500U	4-CHLOROANILINE
500U	HEXACHLOROBUTADIENE
500U	4-CHLORO-3-METHYLPHENOL
500U	2-METHYLNAPHTHALENE
500U	HEXACHLOROCYCLOPENTADIENE (HCCP)
500U	2,4,6-TRICHLOROPHENOL
2400U	2,4,5-TRICHLOROPHENOL
500U	2-CHLORONAPHTHALENE
2400U	2-NITROANILINE
500UR	DIMETHYL PHTHALATE
500U	ACENAPHTHYLENE
500U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2400U	3-NITROANILINE
500U	ACENAPHTHENE
2400U	2,4-DINITROPHENOL
2400U	4-NITROPHENOL
500U	DIBENZOFURAN
500U	2,4-DINITROTOLUENE
500U	DIETHYL PHTHALATE
500U	4-CHLOROPHENYL PHENYL ETHER
500U	FLUORENE
2400U	4-NITROANILINE
2400U	2-METHYL-4,6-DINITROPHENOL
500U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
500U	4-BROMOPHENYL PHENYL ETHER
500U	HEXACHLOROBENZENE (HCB)
2400U	PENTACHLOROPHENOL
500U	PHENANTHRENE
500U	ANTHRACENE
500U	DI-N-BUTYLPHTHALATE
500U	FLUORANTHENE
500U	PYRENE
500U	BENZYL BUTYL PHTHALATE
1000U	3,3'-DICHLOROBENZIDINE
500U	BENZO(A)ANTHRACENE
500U	CHRYSENE
1200	BIS(2-ETHYLHEXYL) PHTHALATE
500U	DI-N-OCTYLPHTHALATE
500U	BENZO(B AND/OR K)FLUORANTHENE
500U	BENZO-A-PYRENE
500U	INDENO (1,2,3-CD) PYRENE
500U	DIBENZO(A,H)ANTHRACENE
500U	BENZO(GHI)PERYLENE
34	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMRTIVE 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.

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49248 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC
STATION ID: SS-05 COLLECTION START: 08/21/90 1145 STOP: 00/00/00
CASE.NO.: 14748 SAS NO.: D. NO.: W771 MD NO: W771

ANALYTICAL RESULTS UG/KG

100000J	7 UNIDENTIFIED COMPOUNDS
60000JN	PROPARGITE
900JN	METHOXYPENTENONE
20000JN	DIMETHYLETHYLPHENOL
700JN	DICHLOROBENZONITRILE

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49248 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-05
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1145 STOP: 00/00/00
D. NUMBER: W771

UG/KG	ANALYTICAL RESULTS
240UJ	ALPHA-BHC
240U	BETA-BHC
240U	DELTA-BHC
240U	GAMMA-BHC (LINDANE)
240U	HEPTACHLOR
240U	ALDRIN
240U	HEPTACHLOR EPOXIDE
240U	ENDOSULFAN I (ALPHA)
480U	DIELDRIN
480U	4,4'-DDE (P,P'-DDE)
480U	ENDRIN
480UR	ENDOSULFAN II (BETA)
480U	4,4'-DDD (P,P'-DDD)
480U	ENDOSULFAN SULFATE
480U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
2400U	METHOXYCHLOR
480U	ENDRIN KETONE
—	CHLORDANE (TECH. MIXTURE) /1
2400U	GAMMA-CHLORDANE /2
2400U	ALPHA-CHLORDANE /2
4800U	TOXAPHENE
2400U	PCB-1016 (AROCLOR 1016)
2400U	PCB-1221 (AROCLOR 1221)
2400U	PCB-1232 (AROCLOR 1232)
2400U	PCB-1242 (AROCLOR 1242)
2400U	PCB-1248 (AROCLOR 1248)
4800U	PCB-1254 (AROCLOR 1254)
4800U	PCB-1260 (AROCLOR 1260)
34	PERCENT MOISTURE

REMARKS

REMARKS

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

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49249 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-06

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1420 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W773

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
5U	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
6	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49249 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-06

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1420 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W773

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
350UR	DIMETHYL PHTHALATE
77J	ACENAPHTHYLENE
350U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1700U	3-NITROANILINE
350U	ACENAPHTHENE
1700U	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
260J	PHENANTHRENE
110J	ANTHRACENE
350U	DI-N-BUTYLPHTHALATE
550	FLUORANTHENE
510	PYRENE
350U	BENZYL BUTYL PHTHALATE
700U	3,3'-DICHLOROBENZIDINE
320J	BENZO(A)ANTHRACENE
400	CHRYSENE
350U	BIS(2-ETHYLHEXYL) PHTHALATE
350U	DI-N-OCTYLPHTHALATE
510	BENZO(B AND/OR K)FLUORANTHENE
310J	BENZO-A-PYRENE
350U	INDENO (1,2,3-CD) PYRENE
350U	DIBENZO(A,H)ANTHRACENE
350U	BENZO(GHI)PERYLENE
6	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-699 SAMPLE NO. 49249 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN **
** SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC **
** STATION ID: SS-06 COLLECTION START: 08/21/90 1420 STOP: 00/00/00 **
** CASE.NO.: 14748 SAS NO.: D. NO.: W773 MD NO: W773 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

4000J	4 UNIDENTIFIED COMPOUNDS
1000JN	HEXADECANOIC ACID

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49249 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-06
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1420 STOP: 00/00/00
D. NUMBER: W773

UG/KG	ANALYTICAL RESULTS
17UJ	ALPHA-BHC
17U	BETA-BHC
17U	DELTA-BHC
17U	GAMMA-BHC (LINDANE)
17U	HEPTACHLOR
17U	ALDRIN
17U	HEPTACHLOR EPOXIDE
17U	ENDOSULFAN I (ALPHA)
34U	DIELDRIN
34U	4,4'-DDE (P,P'-DDE)
34U	ENDRIN
34UR	ENDOSULFAN II (BETA)
34U	4,4'-DDD (P,P'-DDD)
34U	ENDOSULFAN SULFATE
34U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
170U	METHOXYCHLOR
34U	ENDRIN KETONE
--	CHLORDANE (TECH. MIXTURE) /1
170U	GAMMA-CHLORDANE /2
170U	ALPHA-CHLORDANE /2
340U	TOXAPHENE
170U	PCB-1016 (AROCLOR 1016)
170U	PCB-1221 (AROCLOR 1221)
170U	PCB-1232 (AROCLOR 1232)
170U	PCB-1242 (AROCLOR 1242)
170U	PCB-1248 (AROCLOR 1248)
340U	PCB-1254 (AROCLOR 1254)
340U	PCB-1260 (AROCLOR 1260)
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.

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49250 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1630 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W776

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

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

REMARKS

REMARKS

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49250 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1630 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W776

UG/KG	ANALYTICAL RESULTS
440U	PHENOL
440UR	BIS(2-CHLOROETHYL) ETHER
440U	2-CHLOROPHENOL
440U	1,3-DICHLOROBENZENE
440U	1,4-DICHLOROBENZENE
440U	BENZYL ALCOHOL
440U	1,2-DICHLOROBENZENE
440U	2-METHYLPHENOL
440U	BIS(2-CHLOROISOPROPYL) ETHER
440U	(3-AND/OR 4-)METHYLPHENOL
440U	N-NITROSODI-N-PROPYLAMINE
440UR	HEXACHLOROETHANE
440U	NITROBENZENE
440U	ISOPHORONE
440U	2-NITROPHENOL
440U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
440U	BIS(2-CHLOROETHOXY) METHANE
440U	2,4-DICHLOROPHENOL
440U	1,2,4-TRICHLOROBENZENE
440U	NAPHTHALENE
440U	4-CHLOROANILINE
440U	HEXACHLOROBUTADIENE
440U	4-CHLORO-3-METHYLPHENOL
440U	2-METHYLNAPHTHALENE
440U	HEXACHLOROCYCLOPENTADIENE (HCCP)
440U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
440U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
440UR	DIMETHYL PHTHALATE
~~440U~~	~~ACENAPHTHYLENE~~
440U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
440U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
440U	DIBENZOFURAN
440U	2,4-DINITROTOLUENE
440U	DIETHYL PHTHALATE
440U	4-CHLOROPHENYL PHENYL ETHER
440U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
440U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
440U	4-BROMOPHENYL PHENYL ETHER
440U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
~~440U~~	~~PHENANTHRENE~~
~~440U~~	~~ANTHRACENE~~
440U	DI-N-BUTYLPHTHALATE
~~440U~~	~~FLUORANTHENE~~
~~440U~~	~~PYRENE~~
440U	BENZYL BUTYL PHTHALATE
880U	3,3'-DICHLOROBENZIDINE
~~440U~~	~~BENZO(A)ANTHRACENE~~
~~440U~~	~~CHRYSENE~~
440U	BIS(2-ETHYLHEXYL) PHTHALATE
440U	DI-N-OCTYLPHTHALATE
~~440U~~	~~BENZO(B AND/OR K)FLUORANTHENE~~
~~440U~~	~~BENZO-A-PYRENE~~
~~440U~~	~~INDENO-(1,2,3-CD)-PYRENE~~
440U	DIBENZO(A,H)ANTHRACENE
~~440U~~	~~BENZO(GHI)PERYLENE~~
25	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.

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-699	SAMPLE NO. 49250 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC		CITY: GASTONIA ST: NC
STATION ID: SD-01		COLLECTION START: 08/21/90 1630 STOP: 00/00/00
CASE.NO.: 14748	SAS NO.:	D. NO.: W776 MD NO: W776

ANALYTICAL RESULTS UG/KG

200JN	HEXADECANOIC ACID
6000J	3 UNIDENTIFIED COMPOUNDS

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49250 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-01
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1630 STOP: 00/00/00
D. NUMBER: W776

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

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

REMARKS

REMARKS

FOOTNOTES

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

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49251 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1510 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W779

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
9U	METHYLENE CHLORIDE
13U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

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

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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*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.

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49251 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1510 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W779

UG/KG	ANALYTICAL RESULTS
430U	PHENOL
430UR	BIS(2-CHLOROETHYL) ETHER
430U	2-CHLOROPHENOL
430U	1,3-DICHLOROBENZENE
430U	1,4-DICHLOROBENZENE
430U	BENZYL ALCOHOL
430U	1,2-DICHLOROBENZENE
430U	2-METHYLPHENOL
430U	BIS(2-CHLOROISOPROPYL) ETHER
430U	(3-AND/OR 4-)METHYLPHENOL
430U	N-NITROSODI-N-PROPYLAMINE
430UR	HEXACHLOROETHANE
430U	NITROBENZENE
430U	ISOPHORONE
430U	2-NITROPHENOL
430U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
430U	BIS(2-CHLOROETHOXY) METHANE
430U	2,4-DICHLOROPHENOL
430U	1,2,4-TRICHLOROBENZENE
430U	NAPHTHALENE
430U	4-CHLOROANILINE
430U	HEXACHLOROBUTADIENE
430U	4-CHLORO-3-METHYLPHENOL
430U	2-METHYLNAPHTHALENE
430U	HEXACHLOROCYCLOPENTADIENE (HCCP)
430U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
430U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
430UR	DIMETHYL PHTHALATE
430U	ACENAPHTHYLENE
430U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
430U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
430U	DIBENZOFURAN
430U	2,4-DINITROTOLUENE
430U	DIETHYL PHTHALATE
430U	4-CHLOROPHENYL PHENYL ETHER
430U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
430U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430U	4-BROMOPHENYL PHENYL ETHER
430U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
100J	PHENANTHRENE
430U	ANTHRACENE
430U	DI-N-BUTYLPHTHALATE
190J	FLUORANTHENE
180J	PYRENE
430U	BENZYL BUTYL PHTHALATE
860U	3,3'-DICHLOROBENZIDINE
83J	BENZO(A)ANTHRACENE
92J	CHRYSENE
430U	BIS(2-ETHYLHEXYL) PHTHALATE
430U	DI-N-OCTYLPHTHALATE
81J	BENZO(B AND/OR K)FLUORANTHENE
70J	BENZO-A-PYRENE
430U	INDENO (1,2,3-CD) PYRENE
430U	DIBENZO(A,H)ANTHRACENE
430U	BENZO(GHI)PERYLENE
23	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-699   SAMPLE NO. 49251   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC   CITY: GASTONIA   ST: NC
STATION ID: SD-02   COLLECTION START: 08/21/90 1510   STOP: 00/00/00
CASE.NO.: 14748   SAS NO.:   D. NO.: W779   MD NO: W779

ANALYTICAL RESULTS UG/KG

300JN	HEXADECANOIC ACID
20000J	3 UNIDENTIFIED COMPOUNDS

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49251 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-02
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1510 STOP: 00/00/00
D. NUMBER: W779

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

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

REMARKS

REMARKS

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49252 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1530 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W778

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
10U	METHYLENE CHLORIDE
13U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
2J	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
22	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.

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49252 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1530 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W778

UG/KG	ANALYTICAL RESULTS
420U	PHENOL
420UR	BIS(2-CHLOROETHYL) ETHER
420U	2-CHLOROPHENOL
420U	1,3-DICHLOROBENZENE
420U	1,4-DICHLOROBENZENE
420U	BENZYL ALCOHOL
420U	1,2-DICHLOROBENZENE
420U	2-METHYLPHENOL
420U	BIS(2-CHLOROISOPROPYL) ETHER
420U	(3-AND/OR 4-)METHYLPHENOL
420U	N-NITROSODI-N-PROPYLAMINE
420UR	HEXACHLOROETHANE
420U	NITROBENZENE
420U	ISOPHORONE
420U	2-NITROPHENOL
420U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
420U	BIS(2-CHLOROETHOXY) METHANE
420U	2,4-DICHLOROPHENOL
420U	1,2,4-TRICHLOROBENZENE
420U	NAPHTHALENE
420U	4-CHLOROANILINE
420U	HEXACHLOROBUTADIENE
420U	4-CHLORO-3-METHYLPHENOL
420U	2-METHYLNAPHTHALENE
420U	HEXACHLOROCYCLOPENTADIENE (HCCP)
420U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
420U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
420UR	DIMETHYL PHTHALATE
420U	ACENAPHTHYLENE
420U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
420U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
420U	DIBENZOFURAN
420U	2,4-DINITROTOLUENE
420U	DIETHYL PHTHALATE
420U	4-CHLOROPHENYL PHENYL ETHER
420U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
420U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
420U	4-BROMOPHENYL PHENYL ETHER
420U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
51J	PHENANTHRENE
420U	ANTHRACENE
420U	DI-N-BUTYLPHTHALATE
95J	FLUORANTHENE
100J	PYRENE
420U	BENZYL BUTYL PHTHALATE
850U	3,3'-DICHLOROBENZIDINE
420U	BENZO(A)ANTHRACENE
420U	CHRYSENE
420U	BIS(2-ETHYLHEXYL) PHTHALATE
420U	DI-N-OCTYLPHTHALATE
420U	BENZO(B AND/OR K)FLUORANTHENE
420U	BENZO-A-PYRENE
420U	INDENO (1,2,3-CD) PYRENE
420U	DIBENZO(A,H)ANTHRACENE
420U	BENZO(GHI)PERYLENE
22	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.

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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**   PROJECT NO. 90-699   SAMPLE NO. 49252   SAMPLE TYPE: SOIL       PROG ELEM: NSF   COLLECTED BY: E CORBIN              **
**   SOURCE: UNIROYAL INC                                            CITY: GASTONIA              ST: NC                  **
**   STATION ID: SD-03                                               COLLECTION START: 08/21/90  1530   STOP: 00/00/00   **
**   CASE.NO.: 14748          SAS NO.:                               D. NO.: W778              MD NO: W778               **
**                                                                                                                       **
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ANALYTICAL RESULTS UG/KG

7000J	3 UNIDENTIFIED COMPOUNDS
300JN	HEXADECANOIC ACID

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.

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49252 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-03
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1530 STOP: 00/00/00
D. NUMBER: W778

UG/KG	ANALYTICAL RESULTS
20UJ	ALPHA-BHC
20U	BETA-BHC
20U	DELTA-BHC
20U	GAMMA-BHC (LINDANE)
20U	HEPTACHLOR
20U	ALDRIN
20U	HEPTACHLOR EPOXIDE
20U	ENDOSULFAN I (ALPHA)
41U	DIELDRIN
41U	4,4'-DDE (P,P'-DDE)
41U	ENDRIN
41UR	ENDOSULFAN II (BETA)
41U	4,4'-DDD (P,P'-DDD)
41U	ENDOSULFAN SULFATE
41U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
200U	METHOXYCHLOR
41U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
200U	GAMMA-CHLORDANE /2
200U	ALPHA-CHLORDANE /2
410U	TOXAPHENE
200U	PCB-1016 (AROCLOR 1016)
200U	PCB-1221 (AROCLOR 1221)
200U	PCB-1232 (AROCLOR 1232)
200U	PCB-1242 (AROCLOR 1242)
200U	PCB-1248 (AROCLOR 1248)
410U	PCB-1254 (AROCLOR 1254)
410U	PCB-1260 (AROCLOR 1260)
22	PERCENT MOISTURE

REMARKS

REMARKS

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

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

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49253 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1555 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W780

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
8U	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
*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.

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49253 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1555 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W780

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
460UR	DIMETHYL PHTHALATE
47J	ACENAPHTHYLENE
460U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2200U	3-NITROANILINE
460U	ACENAPHTHENE
2200U	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
60J	PHENANTHRENE
61J	ANTHRACENE
460U	DI-N-BUTYLPHTHALATE
270J	FLUORANTHENE
310J	PYRENE
460U	BENZYL BUTYL PHTHALATE
920U	3,3'-DICHLOROBENZIDINE
170J	BENZO(A)ANTHRACENE
230J	CHRYSENE
460U	BIS(2-ETHYLHEXYL) PHTHALATE
460U	DI-N-OCTYLPHTHALATE
230J	BENZO(B AND/OR K)FLUORANTHENE
170J	BENZO-A-PYRENE
86J	INDENO (1,2,3-CD) PYRENE
460U	DIBENZO(A,H)ANTHRACENE
81J	BENZO(GHI)PERYLENE
28	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.

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-699 SAMPLE NO. 49253 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN **
** SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC **
** STATION ID: SD-04 COLLECTION START: 08/21/90 1555 STOP: 00/00/00 **
** CASE.NO.: 14748 SAS NO.: D. NO.: W780 MD NO: W780 **
**   **
*** ***

ANALYTICAL RESULTS UG/KG

2000J	1 UNIDENTIFIED COMPOUND
300JN	HEXADECANOIC ACID
200JN	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.

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49253 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-04
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1555 STOP: 00/00/00
D. NUMBER: W780

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

UG/KG	ANALYTICAL RESULTS
220U	METHOXYCHLOR
44U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
220U	GAMMA-CHLORDANE /2
220U	ALPHA-CHLORDANE /2
440U	TOXAPHENE
220U	PCB-1016 (AROCLOR 1016)
220U	PCB-1221 (AROCLOR 1221)
220U	PCB-1232 (AROCLOR 1232)
220U	PCB-1242 (AROCLOR 1242)
220U	PCB-1248 (AROCLOR 1248)
440U	PCB-1254 (AROCLOR 1254)
440U	PCB-1260 (AROCLOR 1260)
28	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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*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.

01/01/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49254 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-05

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1605 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W781

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE	7U	1,2-DICHLOROPROPANE
13U	BROMOMETHANE	7U	CIS-1,3-DICHLOROPROPENE
13U	VINYL CHLORIDE	7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
13U	CHLOROETHANE	7U	DIBROMOCHLOROMETHANE
7U	METHYLENE CHLORIDE	7U	1,1,2-TRICHLOROETHANE
13U	ACETONE	7U	BENZENE
7U	CARBON DISULFIDE	7U	TRANS-1,3-DICHLOROPROPENE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	7U	BROMOFORM
7U	1,1-DICHLOROETHANE	13U	METHYL ISOBUTYL KETONE
7U	1,2-DICHLOROETHENE (TOTAL)	13U	METHYL BUTYL KETONE
7U	CHLOROFORM	7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,2-DICHLOROETHANE	7U	1,1,2,2-TETRACHLOROETHANE
13U	METHYL ETHYL KETONE	7U	TOLUENE
7U	1,1,1-TRICHLOROETHANE	7U	CHLOROBENZENE
7U	CARBON TETRACHLORIDE	7U	ETHYL BENZENE
13U	VINYL ACETATE	7U	STYRENE
7U	BROMODICHLOROMETHANE	7U	TOTAL XYLENES
		24	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49254 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-05

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1605 STOP: 00/00/00

CASE NO.: 14748 SAS NO.: D. NO.: W781

UG/KG	ANALYTICAL RESULTS
430U	PHENOL
430UR	BIS(2-CHLOROETHYL) ETHER
430U	2-CHLOROPHENOL
430U	1,3-DICHLOROBENZENE
430U	1,4-DICHLOROBENZENE
430U	BENZYL ALCOHOL
430U	1,2-DICHLOROBENZENE
430U	2-METHYLPHENOL
430U	BIS(2-CHLOROISOPROPYL) ETHER
430U	(3-AND/OR 4-)METHYLPHENOL
430U	N-NITROSODI-N-PROPYLAMINE
430UR	HEXACHLOROETHANE
430U	NITROBENZENE
430U	ISOPHORONE
430U	2-NITROPHENOL
430U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
430U	BIS(2-CHLOROETHOXY) METHANE
430U	2,4-DICHLOROPHENOL
430U	1,2,4-TRICHLOROBENZENE
430U	NAPHTHALENE
430U	4-CHLOROANILINE
430U	HEXACHLOROBUTADIENE
430U	4-CHLORO-3-METHYLPHENOL
430U	2-METHYLNAPHTHALENE
430U	HEXACHLOROCYCLOPENTADIENE (HCCP)
430U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
430U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
430UR	DIMETHYL PHTHALATE
430U	ACENAPHTHYLENE
430U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
430U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
430U	DIBENZOFURAN
430U	2,4-DINITROTOLUENE
430U	DIETHYL PHTHALATE
430U	4-CHLOROPHENYL PHENYL ETHER
430U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
430U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430U	4-BROMOPHENYL PHENYL ETHER
430U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
110J	PHENANTHRENE
430U	ANTHRACENE
430U	DI-N-BUTYLPHTHALATE
220J	FLUORANTHENE
180J	PYRENE
430U	BENZYL BUTYL PHTHALATE
870U	3,3'-DICHLOROBENZIDINE
86J	BENZO(A)ANTHRACENE
110J	CHRYSENE
430U	BIS(2-ETHYLHEXYL) PHTHALATE
430U	DI-N-OCTYLPHTHALATE
82J	BENZO(B AND/OR K)FLUORANTHENE
66J	BENZO-A-PYRENE
430U	INDENO (1,2,3-CD) PYRENE
430U	DIBENZO(A,H)ANTHRACENE
430U	BENZO(GHI)PERYLENE
24	PERCENT MOISTURE

REMARKS

REMARKS

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

01/01/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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**   PROJECT NO. 90-699   SAMPLE NO. 49254  SAMPLE TYPE: SOIL      PROG ELEM: NSF   COLLECTED BY: E CORBIN              **
**   SOURCE: UNIROYAL INC                                          CITY: GASTONIA                ST: NC                  **
**   STATION ID: SD-05                                             COLLECTION START: 08/21/90  1605   STOP: 00/00/00     **
**   CASE.NO.: 14748          SAS NO.:                             D. NO.: W781                MD NO: W781               **
**                                                                                                                         **
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ANALYTICAL RESULTS UG/KG

300JN	HEXADECANOIC ACID
20000J	4 UNIDENTIFIED COMPOUNDS

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

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

01/01/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49254 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-05
CASE NUMBER: 14748 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1605 STOP: 00/00/00
D. NUMBER: W781

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

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

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-699   SAMPLE NO. 49243  SAMPLE TYPE: SOIL      PROG ELEM: NSF   COLLECTED BY: E CORBIN                 **
**   SOURCE: UNIROYAL INC                                          CITY: GASTONIA               ST: NC                    **
**   STATION ID: SB-01                                             COLLECTION START: 08/21/90  1015   STOP: 00/00/00      **
**   CASE.NO.: 14748          SAS NO.:                             D. NO.: W766                 MD NO: W766               **
**                                                                                                                        **
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RESULTS	UNITS	PARAMETER
1.5UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699   SAMPLE NO. 49247   SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SB-04
CASE.NO.: 14748   SAS NO.:

PROG ELEM: NSF   COLLECTED BY: E CORBIN
CITY: GASTONIA   ST: NC
COLLECTION START: 08/21/90 1055   STOP: 00/00/00
D. NO.: W770   MD NO: W770

RESULTS	UNITS	PARAMETER
1.7UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-699   SAMPLE NO. 49250  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: E CORBIN             **
**   SOURCE: UNIROYAL INC                                             CITY: GASTONIA             ST: NC                     **
**   STATION ID: SD-01                                                COLLECTION START: 08/21/90  1630   STOP: 00/00/00      **
**   CASE.NO.: 14748          SAS NO.:                                D. NO.: W776               MD NO: W776                **
**                                                                                                                          **
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RESULTS	UNITS	PARAMETER
1.6UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-699   SAMPLE NO. 49251  SAMPLE TYPE: SOIL       PROG ELEM: NSF   COLLECTED BY: E CORBIN                **
**   SOURCE: UNIROYAL INC                                            CITY: GASTONIA              ST: NC                     **
**   STATION ID: SD-02                                               COLLECTION START: 08/21/90  1510   STOP: 00/00/00      **
**   CASE.NO.: 14748          SAS NO.:                               D. NO.: W779                MD NO: W779                **
**                                                                                                                          **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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RESULTS	UNITS	PARAMETER
1.8UR	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.

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699   SAMPLE NO. 49252   SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-03
CASE.NO.: 14748   SAS NO.:

PROG ELEM: NSF   COLLECTED BY: E CORBIN
CITY: GASTONIA   ST: NC
COLLECTION START: 08/21/90 1530   STOP: 00/00/00
D. NO.: W778   MD NO: W778

RESULTS	UNITS	PARAMETER
1.6UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49253 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-04
CASE.NO.: 14748 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1555 STOP: 00/00/00
D. NO.: W780 MD NO: W780

RESULTS	UNITS	PARAMETER
1.6UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49254 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SD-05
CASE.NO.: 14748 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1605 STOP: 00/00/00
D. NO.: W781 MD NO: W781

RESULTS	UNITS	PARAMETER
1.7UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49242 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-01
CASE.NO.: 14748 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1005 STOP: 00/00/00
D. NO.: W765 MD NO: W765

RESULTS	UNITS	PARAMETER
1.5UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49244 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-02
CASE.NO.: 14748 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1355 STOP: 00/00/00
D. NO.: W772 MD NO: W772

RESULTS	UNITS	PARAMETER
1.5UR	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.

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49245 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC
STATION ID: SS-03 COLLECTION START: 08/21/90 1335 STOP: 00/00/00
CASE.NO.: 14748 SAS NO.: D. NO.: W774 MD NO: W774

RESULTS	UNITS	PARAMETER
1.9UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49246 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC
STATION ID: SS-04 COLLECTION START: 08/21/90 1035 STOP: 00/00/00
CASE.NO.: 14748 SAS NO.: D. NO.: W769 MD NO: W769

RESULTS	UNITS	PARAMETER
1.6UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-699 SAMPLE NO. 49248 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN **
** SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC **
** STATION ID: SS-05 COLLECTION START: 08/21/90 1145 STOP: 00/00/00 **
** CASE.NO.: 14748 SAS NO.: D. NO.: W771 MD NO: W771 **
** **
*** ***

RESULTS	UNITS	PARAMETER
2.1 UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49249 SAMPLE TYPE: SOIL
SOURCE: UNIROYAL INC
STATION ID: SS-06
CASE.NO.: 14748 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: GASTONIA ST: NC
COLLECTION START: 08/21/90 1420 STOP: 00/00/00
D. NO.: W773 MD NO: W773

RESULTS	UNITS	PARAMETER
1.7UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49257 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC
STATION ID: SW-01 COLLECTION START: 08/21/90 1610 STOP: 00/00/00
CASE.NO.: 14748 SAS NO.: D. NO.: W775 MD NO: W775

RESULTS	UNITS	PARAMETER
10UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-699   SAMPLE NO. 49258  SAMPLE TYPE: SURFACEWA   PROG ELEM: NSF   COLLECTED BY: E CORBIN              **
**   SOURCE: UNIROYAL INC                                            CITY: GASTONIA             ST: NC                    **
**   STATION ID: SW-02                                               COLLECTION START: 08/21/90  1500   STOP: 00/00/00    **
**   CASE.NO.: 14748          SAS NO.:                               D. NO.: W777              MD NO: W777                **
**                                                                                                                        **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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RESULTS	UNITS	PARAMETER
10UR	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.

10/09/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-699 SAMPLE NO. 49256 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: UNIROYAL INC CITY: GASTONIA ST: NC
STATION ID: PB-01 COLLECTION START: 08/21/90 0915 STOP: 00/00/00
CASE.NO.: 14748 SAS NO.: D. NO.: W768 MD NO: W768

RESULTS	UNITS	PARAMETER
10UR	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.

APPENDIX C

United States
Environmental Protection
Agency

Office of Emergency and
Remedial Response
Washington, DC 20460

EPA Form 2070-13
July, 1981

EPA

Potential Hazardous Waste Site

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: NC 02 SITE NUMBER: 07316 4464

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): Uniroyal Inc. Uniroyal Chemical Co.
02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: 214 West Ruby Ave.
03 CITY: Gastonia
04 STATE: NC. 05 ZIP CODE: 28053 06 COUNTY: Gaston 07 COUNTY CODE 08 CONG DIST
09 COORDINATES: LATITUDE 35 26 30.0 LONGITUDE 81 18 17.
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: 08 21 90 (MONTH DAY YEAR)
02 SITE STATUS: ☒ ACTIVE ☐ INACTIVE
03 YEARS OF OPERATION: 1955 (BEGINNING YEAR) Presently Active (ENDING YEAR) ☐ UNKNOWN
04 AGENCY PERFORMING INSPECTION (Check all that apply): ☐ A. EPA ☒ B. EPA CONTRACTOR NUS Corp. (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR ☐ E. STATE ☐ F. STATE CONTRACTOR ☐ G. OTHER

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Eric Corbin	Project Manager Environmental Scientist	NUS Corp.	(404) 938-7710

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Alvin Williams	Sampling Manager	" "	( ) " "
Ken Sanders	Sampler	" "	( ) " "
Ron Young	Field Manager	" "	( ) " "
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
Ronald T. Lok	Mgr. Engineering	P.O. Box 2337 Gastonia, NC 28053-2337	(704) 864-3411
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one): ☒ PERMISSION ☐ WARRANT	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
	0845	Clear skies with highs in the mid to upper 80's.

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Kelly Cain	EPA Region IV	404 347-5065

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Eric Corbin		NUS Corp.	(404) 938-7710	01 22 91 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NCD	003164464

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____
CUBIC YARDS _____
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☑ 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			
PSD	PESTICIDES			Waste bags & containers from raw materials. Additionally thiram, maleic hydrazide, and phthalic anhydride were found in waste piles on plant property
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	Arsenic				
	Chromium				
	Lead				
	Barium				
	Cobalt				
	Zinc				
	Magnesium				
	Potassium				
	Bis (2-ethylhexyl) phthalate				
	Phthalic Anhydride				
	Propanil				
	Endosulfan I (Alpha)				

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 Region III Superfund / CERCLA permanent file material & NUS Corp FIT III 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
NCD	003164464

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION 735 x 3.8 = 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 2,755 people 04 NARRATIVE DESCRIPTION
approximately 735 homes utilize groundwater for potable purposes within a 4-mile site radius. Soils have been found to be contaminated with chromium, lead, and zinc.

01 ☐ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
The Catawba Creek is utilized for recreational fishing and Lake Wylie is utilized for recreational fishing, boating, and swimming.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
None documented and the likelihood of air contamination is expected to be low.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
None documented, however, a former waste pile once existed onsite which may have been flammable, however, it has now been removed.

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
The facility is fenced to restrict unauthorized site entry, therefore, direct contact to potentially contaminated media is expected to be low except for onsite employees.

01 ☐ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
~~Surf~~ Soils around the facility have been found to be contaminated with chromium, lead, and zinc.

01 ☐ G. DRINKING WATER CONTAMINATION 735 homes x 3.8 = 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 2,755 people 04 NARRATIVE DESCRIPTION
See groundwater contamination section above.

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
None documented through available file material.

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
None documented through available file material.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NCD	80316 4464

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE. _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
None documented

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE. _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No sampling has been conducted to verify food chain contamination but likelihood is expected to be low.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids/Leaking drums) — 02 ☐ OBSERVED (DATE. _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
A waste pile formerly existed onsite for storage of thiram, maleic hydrazide, and phthalic anhydride. Contaminated soils exist near the drum storage area and in drainage ditches.

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

01 ☐ O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE May 29, 1974) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION On May 29, 1974 there was a release of approximately 25 gallons of 2,4 dinitrobutylphenol from a containment sump to the municipal sewer. Immediately after this release the drain line from the containment sump to the sewer line was sealed with concrete.

01 ☐ P ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Unknown, see above re: May 29, 1974 incident.

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
EPA Region III CERCLA file material and NUS Corp. FIT III file material.

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NCD	003164464

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				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☑ B. PILES (In the past)		
☑ C. DRUMS, ABOVE GROUND - For storage only, not disposal		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
☐ A. INCENERATION
☐ B. UNDERGROUND INJECTION
☐ C. CHEMICAL/PHYSICAL
☐ D. BIOLOGICAL
☐ E. WASTE OIL PROCESSING
☐ F. SOLVENT RECOVERY
☐ G. OTHER RECYCLING/RECOVERY
☐ H. OTHER (Specify)

05 OTHER
☑ A. BUILDINGS ON SITE

06 AREA OF SITE
8.75 (Acres)

07 COMMENTS

Until 1983 a waste pile was utilized onsite for the storage of thiram, maleic hydrazide and phthalic anhydride.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

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

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

The facility is primarilly covered with buildings and asphalt outside and around buildings that preclude the downward movement of rainfall from entering the underlying aquifer.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☑ NO

02 COMMENTS

Facility is fenced and restricted to onsite employees, no waste is presently visible onsite.

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

EPA Region III CERCLA file material and NUS Corp. FIT III 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: NCD | 02 SITE NUMBER: 003164464

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as appropriate)

	SURFACE	WELL
COMMUNITY	A. ☑	B. ☐
NON-COMMUNITY	C. ☐	D. ☑

02 STATUS

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

03 DISTANCE TO SITE

A. 6.5 (mi)
B. 2.5 (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 2,755 people within a 4-mile radius

03 DISTANCE TO NEAREST DRINKING WATER WELL 2.5 (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
30 (ft)	—	30 (ft)	— (gpd)	☐ YES ☑ NO

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

Wells in the area are completed in the joints and fractures of the crystalline rock aquifer.

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

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

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

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Catawba Creek	☐	@0.1 (mi)
Lake Wylie	☐	@9.5 (mi)
	☐	(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. 9,294 (NO OF PERSONS)	B. 28,089 (NO OF PERSONS)	C. 47,030 (NO OF PERSONS)

02 DISTANCE TO NEAREST POPULATION <0.1 (mi)

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

04 DISTANCE TO NEAREST OFF-SITE BUILDING <0.1 (mi)

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

The area near the facility is primarily commercial/industrial and ~~surrounding~~ etc surrounded with many subdivisions and residential areas.

EPA

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

I. IDENTIFICATION
01 STATE: MD
02 SITE NUMBER: 00316466

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A $10^{-6} - 10^{-8}$ cm/sec ☑ 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 (Less than 10^{-6} cm/sec) ☑ B RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
@ 0-150 (ft)	— (ft)	—

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
4.0 (in)	3.0 (in)	2.0 %		2.0 %

09 FLOOD POTENTIAL

SITE IS IN — YEAR FLOODPLAIN

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

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A — (mi)

OTHER: B. — (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

— (mi)

ENDANGERED SPECIES: —

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL INDUSTRIAL	RESIDENTIAL AREAS, NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A <0.1 (mi)	B. <0.1 (mi)	C >1.0 (mi)	D. <1.0 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The facility is situated in an area characterized by low rolling hills & elevations ranging between 700 and 840 feet above mean sea level (amsl).

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

U.S. EPA Region III CERCLA file material and NUS Corp FIT III file material.

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
MCD	00316 4664

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER	2	Organics - Univ. of Iowa; Iowa City, IA 52242 Inorganics - Associated Labs, Inc.; Orange, CA 92668	
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	8	Organics - Univ. of Iowa; Iowa City, IA 52242 Inorganics - Associated Labs, Inc.; Orange, CA 92668	
VEGETATION			
OTHER (Sediment)	5	Organics - Univ. of Iowa; Iowa City, IA 52242 Inorganics - Associated Labs, Inc.; Orange, CA 92668	

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
Ph.-Temp.-Cond.	On Water Samples only
SW-01	Ph.-6.86; Temp. 27°c; 177 uhmos/m
SW-02	Ph.-6.95; Temp. 27°c; 198 uhmos/m

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF NUS Corp.
(Name of organization or individual)

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS NUS Corp.

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

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

EPA Region III, CERCLA file material and NUS Corp. FIT 4 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
NCD	003164464

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Universal Chemical Company, Inc.		Universal Inc. Wall St Plaza.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
P.O. Box 2337			

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
Gastonia,	N.C.	28053-2337	Middlebury	CT.	06749

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
Same as above!	

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

05 CITY	06 STATE	07 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

01 NAME	02 D+B NUMBER

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

05 CITY	06 STATE	07 ZIP CODE

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

01 NAME	02 D+B NUMBER

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

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

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

05 CITY	06 STATE	07 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

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

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NCD	003164464

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME: Uniroyal Chemical Company Inc.	02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): P.O. Box 2337	04 SIC CODE:
05 CITY: Gastonia	06 STATE: N.C.
07 ZIP CODE: 28053-2337	
08 YEARS OF OPERATION:	09 NAME OF OWNER:

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME: Uniroyal Inc. World Headqtrs.	11 D+B NUMBER:
12 STREET ADDRESS (P.O. Box, RFD #, etc.):	13 SIC CODE:
14 CITY: Middlebury	15 STATE: CT.
16 ZIP CODE: 06749	

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

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:

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

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

01 NAME:	02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.):	04 SIC CODE:
05 CITY:	06 STATE:
07 ZIP CODE:	
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:

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

01 NAME:	02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.):	04 SIC CODE:
05 CITY:	06 STATE:
07 ZIP CODE:	
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:

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

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

EPA Region IV CERCLA file material.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NCD	003164464

II. ON-SITE GENERATOR

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

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
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 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
NCD 003164464

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE — 03 AGENCY
04 DESCRIPTION
Unknown

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

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

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE — 03 AGENCY
04 DESCRIPTION
Potentially - Date unknown

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

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

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

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

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

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

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

01 ☐ L. ENCAPSULATION — 02 DATE — 03 AGENCY
04 DESCRIPTION
"

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

01 ☐ N. CUTOFF WALLS — 02 DATE — 03 AGENCY
04 DESCRIPTION
Detention basins exist onsite for the collection and storage of surface water runoff.

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE — 03 AGENCY
04 DESCRIPTION
See above

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

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

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE: NCD | 02 SITE NUMBER: 003164464

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
Unknown

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

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

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

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

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

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

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

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

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

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

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

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

EPA Region IV CERCLA file material and NUS Corp. FIT IV 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
NCD	003164464

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION ☐ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION

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

EPA FORM 2070-13 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

General Information

The Potential Hazardous Waste Site, Site Inspection Report form is used to record information collected during, or associated with, an inspection of the site and other information about responsible parties and past response activities.

The Site Inspection Report form contains eleven parts:

Part 1 – Site Location and Inspection Information

Part 2 – Waste Information

Part 3 – Description of Hazardous Conditions and Incidents

Part 4 – Permit and Descriptive Information

Part 5 – Water, Demographic, and Environmental Data

Part 6 – Sample and Field Information

Part 7 – Owner Information

Part 8 – Operator Information

Part 9 – Generator/Transporter Information

Part 10 – Past Response Activities

Part 11 – Enforcement Information

Part 1 – Site Location and Inspection Information contains all of the data elements also contained on the Site Identification and Preliminary Assessment forms required to add a site to the automated Site Tracking System (STS). It is therefore possible to add a site to STS at the Site Inspection stage. Instructions are given below.

Part 2 – Waste Information and Part 3 – Description of Hazardous Conditions and Incidents are used to record specific information about substances, amounts, hazards, and targets, e.g., population potentially affected. Parts 2 and 3 are also contained in the Potential Hazardous Waste Site, Preliminary Assessment form. Information recorded on Part 2 and Part 3 during a preliminary assessment may be updated, added, deleted or corrected on the Site Inspection Report form.

An Appendix with feedstock names and CAS Numbers and the most frequently cited hazardous substances and CAS Numbers is located behind the instructions for the Site Inspection Report.

A number of the data items collected throughout the Site Inspection Report support the Site Ranking Model. The majority of these data items are found in Part 5 – Water, Demographic, and Environmental Data.

General Instructions

1 Complete the Site Inspection Report form as completely as possible.

2 Starred items (*) are required before inspection information can be added to STS. The system will not accept incomplete inspection information.

3 To add a site to STS at the Site Inspection stage, write "New" across the top of the form and complete items II-01, 02, 03, 04, and 06, Site Name and Location, II-09 Coordinates, and II-10, Type of Ownership.

4 Data items carried in STS, which are identical to those on the Site Identification and Preliminary Assessment forms and which can be added, deleted, or changed using the Site Inspection Report form, are indicated with a pound sign (#). To ensure that the proper action is taken, outline the item(s) to be added, deleted, or changed with a bright color and indicate the proper action with "A" (add), "D" (delete) or "C" (change).

5. There are two options available for adding, deleting, or changing information supplied on the Site Inspection Report form. The first is to use a new Site Inspection Report form, completing only those items to be added, deleted, or changed. Mark the form clearly, using "A", "D", or "C", to indicate the action to be taken. If only data in STS are to be altered, the Site Source Data Report may be used. Using the report, mark clearly the items to be changed and the action to be taken.

Detailed Instructions

Part 1 Site Location and Inspection Information

I. **Identification:** Identification (State and Site Number) is the site record key, or primary identifier, for the site. Site records in the STS are updated based on Identification. It is essential that State and Site Number are correctly entered on each form.

*I-01 State: Enter the two character alpha FIPS code for the state in which the site is located. It must be identical to State on the Site Identification form.

*I-02 Site Number: Enter the ten character alphanumeric code for sites which have a Dun and Bradstreet or EPA "user" Dun and Bradstreet number or the ten character numeric GSA identification code for federal sites. The Site Number must be identical to the Site Number on the Site Identification and Preliminary Assessment forms.

II. **Site Name and Location:** If Site Name and Location information require no additions or changes, these items are not required on the Site Inspection Report form. However, completing these items will facilitate use of the completed form and records management procedures.

#II-01 Site Name: Enter the legal, common, or descriptive name of the site.

#II-02 Site Street: Enter the street address and number (if appropriate) where the site is located. If the precise street address is unavailable for this site, enter brief direction identifier, e.g., NW Jct I-295 & US 99; Post Rd, 5 mi W of Rt. 5.

#II-03 Site City: Enter the city, town, village, or other municipality in which the site is located. If the site is not located in a municipality, enter the name of the municipality (or place) which is nearest the site or which most easily locates the site.

#II-04 Site State: Enter the two character alpha FIPS code for the state in which the site is located. The code must be the same as in item I-01.

#II-05 Site Zip Code: Enter the five character numeric zip code for the postal zone in which the site is located.

#II-06 Site County: Enter the name of the county, parish (Louisiana), or borough (Alaska) in which the site is located.

#II-07 County Code: Enter the three character numeric FIPS county code for the county, parish, or borough in which the site is located. (The regional data analyst can furnish this data item.)

#II-08 Site Congressional District: Enter the two character number for the congressional district in which the site is located.

*#II-09 Coordinates: Enter the Coordinates, Latitude and Longitude, of the site in degrees, minutes, seconds, and tenths of seconds. If a tenth of a second is insignificant at this site, enter "0" in the tenths position.

#II-10 Type of Ownership: Check the appropriate box to indicate the type of site ownership. If the site is under the jurisdiction of an activity of the federal government, enter the name of the department, agency, or activity. If Other is indicated, specify the type of ownership and name.

III. **Inspection Information**

*III-01 Date of Inspection: Enter the date the inspection occurred, or began for multiple day inspections.

*III-02 Site Status: Check the appropriate box(es) to indicate the current status of the site. Active sites are those which treat, store, or dispose of wastes. Check Active for those active sites with an inactive storage or disposal area. Inactive sites are those at which treatment, storage, or disposal activities no longer occur.

#III-03 Years of Operation: Enter the beginning and ending years (or beginning only if operations at the site are on-going), e.g., 1878/1932, of site operation. Check Unknown if years of operation are not known.

*III-04 Agency Performing Inspection: Check the appropriate box(es) to indicate parties participating in the inspection. If contractors participate, provide the name of the firm(s).

III-05 Chief Inspector: Enter the name of the chief, or lead inspector.

III-06 Title: Enter the Chief Inspector's title, e.g., Team Leader, FIT team.

III-07 Organization: Enter the name of the organization where the Chief Inspector is employed, e.g., EPA – Region 4, VA State Health Dept., Environmental Research Co.

III-08 Telephone Number: Enter the Chief Inspector's area code and local commercial telephone number.

III-09 Other Inspectors: Enter the names of other parties participating in the inspection.

III-10 Title: Enter the titles of other parties participating in the inspection.

III-11 Organization: Enter the names of the organizations where other parties participating in the inspection are employed.

III-12 Telephone Number: Enter the area code and local commercial telephone numbers of other parties participating in the inspection.

III-13 Site Representatives Interviewed: Enter the names of individuals representing responsible parties interviewed in connection with the inspection. Interviews do not necessarily occur during the inspection.

III-14 Title: Enter the titles of the individuals interviewed.

III-15 Address: Enter the business, mailing, or residential addresses of the individuals interviewed.

III-16 Telephone Number: Enter the area code and local commercial telephone numbers of the individuals interviewed.

III-17 Access Gained By: Check the appropriate box to indicate whether access to the site was gained through permission or warrant.

III-18 Time of Inspection: Using a 24-hour clock, enter the time the inspection began, e.g., for 3:24 p.m. enter 1524.

III-19 Weather Conditions: Describe the weather conditions during the site inspection, especially any unusual conditions which might affect results or observations taken.

IV. **Information Available From**

IV-01 Contact: Enter the name of the individual who can provide information about the site.

IV-02 Of: If appropriate, enter the name of the public or private agency, firm, or company and the organization within the agency, firm, or company of the individual named as Contact.

IV-03 Telephone Number: Enter the area code and local telephone number of the individual named as contact.

IV-04 Person Responsible for Site Inspection Report Form: Enter the name of the individual who was responsible for the information entered on the Site Inspection Report form. The person responsible for the Site Inspection Report form may be different from the individual who prepared the form.

IV-05 Agency: Enter the name of the Agency where the individual who is responsible for the Site Inspection Report form is employed.

IV-06 Organization: Enter the name of the organization within the Agency.

IV-07 Telephone Number: Enter the area code and local telephone number of the individual who is responsible for the Site Inspection Report form.

IV-08 Date: Enter the date the Site Inspection Report form was prepared.

Part 2 Waste Information

*I. **Identification:** Refer to Part 1–I.

II. **Waste States, Quantities, and Characteristics:** Waste States, Quantities, and Characteristics provide information about the physical structure and form of the waste, measures of gross amounts at the site, and the hazards posed by the waste, considering acute and chronic health effects and mobility along a pathway.

*II-01 Physical States: Check the appropriate box(es) to indicate the state(s) of waste present at the site. If Other is indicated, specify the physical state of the waste.

*II-02 Waste Quantity at Site: Enter estimates of amounts of waste at the site. Estimates may be in weight (Tons) or volume (Cubic Yards or Number of Drums). Use as many entries as are appropriate; however, measurements must be independent. For example, do not measure the same amounts of waste as both tons and cubic yards.

*II-03 Waste Characteristics: Check all appropriate entries to indicate the hazards posed by waste at the site. If waste at the site poses no hazard, check Not Applicable.

III. **Waste Category**: General categories of waste typically found are listed here. Enter the estimated gross amount of each category of waste and the appropriate unit of measure.

*III-01 Gross Amount: Gross Amount is the estimate of the amount of the waste category found at the site. Estimates should be furnished in metric tons (MT), tons (TN), cubic meters (CM), cubic yards (CY), drums (DR), acres (AC), acre feet (AF), liters (LT), or gallons (GA). Enter the estimated amount next to the appropriate waste category.

*III-02 Unit of Measure: Enter the appropriate unit of measure, MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (number of drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons) next to the estimate of gross amount.

III-03 Comments: Comments may be used to further explain, or provide additional information, about particular waste categories.

IV. **Hazardous Substances**: Specific hazardous, or potentially hazardous, chemicals, mixtures, and substances found at the site are listed here. For each substance listed those data items marked with an "at" sign (@) must be included.

@IV-01 Category: Enter in front of the substance name the three character waste category from Section III which best describes the substance, e.g., OLW (Oily Waste).

@IV-02 Substance Name: Enter one of the following: the name of the substance registered with the Chemical Abstract Service, the common or accepted abbreviation of the substance, the generic name of the substance, or commercial name of the substance.

@IV-03 CAS Number: Enter the number assigned to the substance when it was registered with the Chemical Abstract Service. Refer to the Appendix for most frequently cited CAS Numbers. CAS Numbers must be furnished for each substance listed. If a CAS Number for this substance has not been assigned, enter "999".

@IV-04 Storage/Disposal Method: Enter the type of storage or disposal facility in which the substance was found: SI (surface impoundment, including pits, ponds, and lagoons), PL (pile), DR (drum), TK (tank), LF (landfill), LM (landfarm), OD (open dump).

IV-05 Concentration: Enter the concentration of the substance found in samples taken at the site.

IV-06 Measure of Concentration: Enter the appropriate unit of measure for the measured concentration of the substance found in the sample, e.g., MG/L, UG/L.

V. **Feedstocks**

V-01 Feedstock Name: If feedstocks, or substances derived from one or more feedstocks, are present at the site, enter the name of each feedstock found. See the Appendix for the feedstock list.

V-02 CAS Number: Enter the CAS Number for each feedstock named. See the Appendix for feedstock CAS Numbers.

VI. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 3 Description of Hazardous Conditions and Incidents

*I. **Identification**: Refer to Part 1–I.

II. **Hazardous Conditions and Incidents:**

II-01 Hazards: Indicate each hazardous, or potentially hazardous, condition known, or claimed, to exist at the site.

II-02 Observed, Potential, or Alleged: Check Observed and enter the date, or approximate date, of occurrence if a release of contaminants to the environment, or some other hazardous incident, is known to have occurred. In cases of a continuing release, e.g., groundwater contamination, enter the date, or approximate date, the condition first became apparent. If conditions exist for a potential release, check potential. Check Alleged for hazardous, or potentially hazardous, conditions claimed to exist at the site.

II-03 Population Potentially Affected: For each hazardous condition at the site, enter the number of people potentially affected. For Soil enter the number of acres potentially affected.

II-04 Narrative Description: Provide a narrative description, or explanation, of each condition. Include any additional information which further explains the condition.

II-05 Description of Any Other Known, Potential, or Alleged Hazards: Provide a narrative description of any other hazardous, or potentially hazardous, conditions at the site not covered above.

III. **Total Population Potentially Affected**: Enter the total number of people potentially affected by the existence of hazardous, or potentially hazardous, conditions at the site. Do not sum the numbers shown for each condition.

IV. **Comments**: Other information relevant to observed, potential, or alleged hazards may be entered here.

V. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 4 Permit and Descriptive Information

*I. **Identification:** Refer to Part 1—I.

II. **Permit Information**

II-01 Type of Permit Issued: Check the appropriate box(es) to indicate the types of permits issued to the site. If state, local, or other types of environmental permits have been issued, specify the type.

II-02 Permit Number: Enter the permit number for each issued permit.

II-03 Date Issued: Enter the date each permit was issued.

II-04 Expiration Date: Enter the date each permit expires or expired.

II-05 Comments: Enter any information which further explains the types of permits issued or status of the permits.

III. **Site Description**

*III-01 Storage/Disposal: Check the appropriate box(es) to indicate the types of storage/disposal facilities found at the site. If Other is checked, specify the type of facility.

*III-02 Amount: Enter the gross amount of waste associated with each type of storage/disposal facility. Amounts may be measured in: metric tons, tons, cubic meters, cubic yards, drums, acres, acre feet, liters, or gallons.

*III-03 Unit of Measure: Enter the appropriate unit of measure for each entry. Units of measure are MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons).

*III-04 Treatment: If waste is treated at the site, check the appropriated box(es) to indicate treatment methods used. If Other is checked, specify treatment method.

III-05 Other: If there are buildings on site, check this box.

*III-06 Area of Site: Enter total area of site in acres.

III-07 Comments: Enter any other pertinent information.

IV. **Containment:** Containment is a measure of the natural or artificial means taken to minimize or preclude health hazards and to minimize or prevent contamination of the environment from waste at the site.

*IV-01 Containment of Wastes: Check the appropriate box to indicate the condition of containment measures at the site. When choosing the appropriate box, consider the potential for environmental contamination, i.e., the worst case for containment in conjunction with the most hazardous substances.

IV-02 Description of Drums, Diking, Liners, Barriers: Provide a narrative description of the condition of containment measures at the site, e.g., waste adequately contained, drums rusting and leaking, diking collapsing, liners leaking and contaminants leaching into soil and groundwater.

V. **Accessibility:** Accessibility is an indicator of the potential for direct contact with hazardous substances.

*V-01 Waste Easily Accessible: If there are no real barriers preventing human access to hazardous waste, check Yes, otherwise check No.

V-02 Comments: Additional information about accessibility to hazardous waste may be provided.

VI. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 5 Water, Demographic, and Environmental Data

*I. **Identification:** Refer to Part 1—I.

II. **Drinking Water Supply**

II-01 Type of Drinking Water Supply: Check the appropriate box(es) to indicate the types and sources of drinking water within the vicinity of the site. Community refers to municipal sources. Non-community refers to private sources, e.g., private wells.

II-02 Status: Check the appropriate box(es) to indicate whether the water supply is endangered or affected by contaminants from the site. Check the appropriate box to indicate if the water supply is being monitored for possible contamination.

II-03 Distance to Site: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to nearest drinking water source.

III. **Groundwater**

III-01 Groundwater Use in Vicinity: Check the appropriate box to indicate groundwater use in the vicinity of the site. The concern is to indicate the seriousness of groundwater contamination from waste at the site. Only Source for Drinking indicates that current water sources are limited to wells in the vicinity of the site. Drinking; Commercial, Industrial, Irrigation indicates that groundwater is used for drinking, but that other limited drinking sources are available and that no other sources for these additional uses are available. Commercial, Industrial, Irrigation indicates that groundwater is used for these purposes, but that limited other sources of water are available. Not used, Unuseable indicates that groundwater use in the area is not critical.

III-02 Population Served by Groundwater: Enter the number of people served by groundwater in the vicinity of the site. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

III-03 Distance to Nearest Drinking Water Well: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest drinking water well.

III-04 Depth to Groundwater: Enter the depth in feet to groundwater.

III-05 Depth of Groundwater Flow: Enter the cardinal direction of groundwater flow, e.g., NNW.

III-06 Depth to Aquifer of Concern: Enter the depth in feet to the aquifer of concern.

III-07 Potential Yield of Aquifer: Enter the potential yield of the aquifer in gallons per day.

III-08 Sole Source Aquifer: Check the appropriate box to indicate the aquifer of concern is, or is not, a sole source aquifer.

III-09 Description of Wells: Provide a narrative description of wells in the vicinity of the site, including useage, depth, and location relative to population and buildings.

III-10 Recharge Area: Check the appropriate box to indicate the site is located in a recharge area. Comments provide additional information on the recharge area.

III-11 Discharge Area: Check the appropriate box to indicate the site is located in a discharge area. Comments provide additional information on the discharge area.

IV. **Surface Water**

IV-01 Surface Water Use: Check the appropriate box to indicate surface water use in the vicinity of the site. The order of precedence is Reservoir, Recreation, Drinking Water Source; Irrigation, Economically Important Reserves; Commercial/Industrial; Not Currently Used.

IV-02 Affected/Potentially Affected Bodies of Water: Enter the names of bodies of surface water affected, or potentially affected, by contaminants from the site. List the body of surface water nearest the site first. For each body of water check Affected if contaminants have been identified in samples of the water. Enter the shortest distance from the body of water to the site in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required).

V. **Demographic and Property Information**

V-01 Total Population Within: Enter the total population within one (1) mile, two (2) miles, and three (3) miles of the site. Distances are measured from site boundaries. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

V-02 Distance to Nearest Population: Enter in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) the distance from the site boundary to the nearest population (one person minimum).

V-03 Number of Buildings Within Two (2) Miles of Site: Enter the number of buildings within two miles from the boundaries of the site.

V-04 Distance to Nearest Off-Site Building: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site boundary to the nearest off-site building.

V-05 Population in Vicinity of Site: Provide a narrative description of the nature of the population within the vicinity of the site. Examples include rural area, small truck farms, urban industrial area, densely populated urban residential area.

VI. **Environmental Information**

VI-01 Permeability of Unsaturated Zone: Check the appropriate box to indicate the permeability of the earth material above the water table in the vicinity of the site.

VI-02 Permeability of Bedrock: Check the appropriate box to indicate the permeability of the bedrock in the vicinity of the site.

VI-03 Depth to Bedrock: Enter the depth to bedrock in feet.

VI-04 Depth of Contaminated Soil Zone: Enter the depth of the contaminated soil zone in feet.

VI-05 Soil pH: Enter the pH of the soil in the vicinity of the site.

VI-06 Net Precipitation: Enter net precipitation in inches. If net precipitation is not known, subtract the average evaporation figure on the U.S. National Weather Service map showing average annual evaporation in inches from the U.S. Environmental Data Service map showing mean annual precipitation.

VI-07 One Year 24 Hour Rainfall: Enter in inches the figure for one year 24 hour rainfall.

VI-08 Slope: Enter the percentage of site slope, the direction of site slope, and the percentage of the surrounding terrain average slope.

VI-09 Flood Potential: Enter the boundary year for the floodplain in which the site is located. Sites flooded annually are in a 1 (one) year floodplain. Other examples include 10, 20, 50, 100, 500, etc., indicating the probability of flooding within that time period.

VI-10 Site is on Barrier Island, Coastal High Hazard Area, Riverine Floodway: If site is located in one of these areas, check this box.

VI-11 Distance to Wetlands: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the closest wetlands (five acre minimum) for Estuarine and Other types of wetlands.

VI-12 Distance to Critical Habitat: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest critical habitat

of an endangered species. Enter the name(s) of the endangered species.

VI-13 Land Use in Vicinity: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) to the nearest Commercial/Industrial area; Residential Area, National/State Parks, Forests, or Wildlife Reserves; or Agricultural Lands, Prime Ag Land and Ag Land. Prime Ag Land is that crop, pasture, range, or forest land which produces the highest yield in relation to inputs. Ag Land is the remaining agricultural land, frequently considered marginal.

VI-14 Description of Site in Relation to Surrounding Topography: Provide a narrative description of significant or unusual aspects of the surrounding topography in relation to the site. Examples might include: site is in a valley surrounded on all sides by mountains, site is at edge of a river or stream which floods frequently, etc.

VII. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 6 Sample and Field Information

*I. Identification: Refer to Part 1–I.

II. Samples Taken

II-01 Number of Samples Taken: Next to each sample type enter the number of samples of that type taken.

II-02 Samples Sent To: Enter the name of the laboratory or other facility where the samples were sent for analysis.

II-03 Estimated Date Results Available: Enter the estimated date the results are expected to be available.

III. Field Measurements Taken

III-01 Type: Enter the type, e.g., radioactivity, explosivity, organic vapor or gas detection and analysis, reagent type gas detection, of each field measurement taken.

III-02 Comments: Describe results of field measurements, whether they were taken on or off site, and if applicable, the type of disposal facility tested, e.g., drum, surface impoundment, landfill.

IV. Photographs and Maps

IV-01 Type: If photographs of the site have been taken, check the appropriate box(es) to indicate the type.

IV-02 In Custody Of: Enter the name of the organization or person who has custody of the photographs.

IV-03 Maps: Check the appropriate box to indicate that maps of the site area have been prepared or obtained.

IV-04 Location of Maps: If site maps are available, indicate their location, e.g., Region 1 Air and Hazardous Materials Division.

V. Other Field Data Collected: Provide a narrative description of any other field data collected.

VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 7 Owner Information

*I. Identification: Refer to Part 1–I.

II. Current Owner(s) – Parent Company: Current owner(s) and parent companies, for those owners which are companies partly or wholly owned by another company, provide locator information about responsible parties. Each Part 7 provides space for four (4) current owners and their respective parent companies. If additional space is required, complete another Part 7.

II-01 Name: Enter the legal name of the owner of the site. The owner may be a firm, government agency, association, individual, etc.

II-02 D&B Number: Where available, enter the owner's D&B (Dun and Bradstreet) number. If the current owner is a federal agency, enter the GSA identification code.

II-03 Street Address: Enter the business, mailing, or residential street address of the owner.

II-04 SIC Code: If applicable, enter the owner's primary SIC Code.

II-05 City: Enter the city of the owner's business, mailing, or residential address.

II-06 State: Enter the two character alpha FIPS code for the state of the owner's business, mailing, or residential address.

II-07 Zip Code: Enter the five digit zip code for the owner's business, mailing, or residential address.

II-08 Name: If the owner is a partly or wholly owned subsidiary of another company, enter the legal name of the owner's parent company.

II-09 D&B Number: Enter the parent company's Dun and Bradstreet number.

II-10 Street Address: Enter the business or mailing street address of the parent company.

II-11 SIC Code: If applicable, enter the parent company's primary SIC code.

II-12 City: Enter the city of the parent company's business or mailing address.

II-13 State: Enter the two character alpha FIPS code for the state of the parent company's business or mailing address.

II-14 Zip Code: Enter the five digit zip code for the parent company's business or mailing address.

III. Previous Owner(s): List previous owners in reverse chronological order, i.e., most recent first. If additional space is required, complete another Part 7.

III-01 Name: Enter the legal name of the previous owner. The previous owner may have been a firm, government agency, association, individual, etc.

III-02 D&B Number: Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.

III-03 Street Address: Enter the business, mailing, or residential street address of the previous owner.

III-04 SIC Code: If applicable, enter the primary SIC Code of the previous owner.

III-05 City: Enter the city of the previous owner's business, mailing, or residential address.

III-06 State: Enter the two character alpha FIPS code for the state of the previous owner's business, mailing, or residential address.

III-07 Zip Code: Enter the zip code of the previous owner's business, mailing, or residential address.

IV. Realty Owner(s): Realty owner applies when the owner leased to another entity property which was used for the storage or disposal of hazardous waste. List current or most recent first.

IV-01 Name: Enter the legal name of the realty owner. The realty owner may be a firm, government agency, association, individual, etc.

IV-02 D&B Number: Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.

IV-03 Street Address: Enter the realty owner's business, mailing, or residential street address.

IV-04 SIC Code: If applicable, enter the realty owner's primary SIC Code.

IV-05 City: Enter the city of the realty owner's business, mailing, or residential address.

IV-06 State: Enter the two character alpha FIPS code for the state of the realty owner's business, mailing, or residential address.

IV-07 Zip Code: Enter the zip code of the realty owner's business, mailing, or residential address.

V. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 8 Operator Information

I. Identification: Refer to Part 1—I.

II. Current Operator—Operator's Parent Company: Information on operators is applicable when the operator is not the owner.

II-01 Name: Enter the legal name of the operator. The operator may be a firm, government agency, association, individual, etc.

II-02 D&B Number: Enter the operator's Dun and Bradstreet number if available. If the operator is a federal agency, enter the GSA identification code if available.

II-03 Street Address: Enter the operator's business, mailing, or residential street address.

II-04 SIC Code: If applicable, enter the operator's primary SIC Code.

II-05 City: Enter the city of the operator's business, mailing, or residential address.

II-06 State: Enter the two character alpha FIPS code for the state of the operator's business, mailing, or residential address.

II-07 Zip Code: Enter the zip code of the operator's business, mailing, or residential address.

II-08 Years of Operation: Enter the beginning and ending years (or beginning only if operations are on-going), e.g., 1932/1948, of operation at the site.

II-09 Name of Owner: Enter the name of the owner for the period cited for this operator.

II-10 Name: If applicable, enter the legal name of the operator's parent company.

II-11 D&B Number: Enter the operator's parent company Dun and Bradstreet number if available.

II-12 Street Address: Enter the operator's parent company business, mailing, or residential street address.

II-13 SIC Code: If applicable, enter the operator's parent company primary SIC Code.

II-14 City: Enter the city of the operator's parent company business, mailing, or residential address.

II-15 State: Enter the two character alpha FIPS code for the state of the operator's parent company business, mailing, or residential address.

II-16 Zip Code: Enter the zip code of the operator's parent company business, mailing, or residential address.

III. Previous Operator(s)—Previous Operators' Parent Companies

III-01 Name: Enter the legal name of the previous operator. The previous operator may be a firm, government agency, association, individual, etc.

III-02 D&B Number: Enter the previous operator's Dun and Bradstreet number if available. If the previous operator was a federal agency, enter the GSA identification code if available.

III-03 Street Address: Enter the previous operator's business, mailing, or residential street address.

III-04 SIC Code: If applicable, enter the previous operator's primary SIC Code.

III-05 City: Enter the city of the previous operator's business, mailing, or residential address.

III-06 State: Enter the two character alpha FIPS code for the state of the previous operator's business, mailing, or residential address.

III-07 Zip Code: Enter the zip code of the previous operator's business, mailing, or residential address.

III-08 Years of Operation: Enter the beginning and ending years of operation for this operator at the site.

III-09 Name of Owner: Enter the name of the owner for the period cited for this operator.

III-10 Name: If applicable, enter the legal name of the previous operator's parent company.

III-11 D&B Number: Enter the previous operator's parent company Dun and Bradstreet number if available.

III-12 Street Address: Enter the previous operator's parent company business, mailing, or residential street address.

III-13 SIC Code: If applicable, enter the previous operator's parent company primary SIC Code.

III-14 City: Enter the city of the previous operator's parent company business, mailing, or residential address.

III-15 State: Enter the two character alpha FIPS code for the state of the previous operator's parent company business, mailing, or residential address.

III-16 Zip Code: Enter the zip code of the previous operator's parent company business, mailing, or residential address.

IV. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 9 Generator/Transporter Information

*I. Identification: Refer to Part 1—I.

II. On-Site Generator: A company or agency, located within the contiguous area of the site and generating waste disposed on the site, is entered here.

II-01 Name: If there is an on-site generator, enter the legal name of the on-site generator. The on-site generator may be a firm or government agency.

II-02 D&B Number: Where available, enter the on-site generator's D&B (Dun and Bradstreet) number. If the on-site generator is a federal agency, enter the GSA identification code.

II-03 Street Address: Enter the business or mailing street address of the on-site generator.

II-04 SIC Code: If applicable, enter the on-site generator's primary SIC Code.

II-05 City: Enter the city of the on-site generator's business or mailing address.

II-06 State: Enter the two character alpha FIPS code for the state of the on-site generator's business or mailing address.

II-07 Zip Code: Enter the five digit zip code for the on-site generator's business or mailing address.

III. Off-Site Generator(s): Those companies or agencies off-site who have generated waste which has been disposed at the site are listed here.

III-01 Name: Enter the legal name of the off-site generator. The off-site generator may be a firm or government agency.

III-02 D&B Number: Where available, enter the off-site generator's D&B (Dun and Bradstreet) number. If the off-site generator is a federal agency, enter the GSA identification code.

III-03 Street Address: Enter the business or mailing street address of the off-site generator.

III-04 SIC Code: If applicable, enter the off-site generator's primary SIC Code.

III-05 City: Enter the city of the off-site generator's business or mailing address.

III-06 State: Enter the two character alpha FIPS code for the state of the off-site generator's business or mailing address.

III-07 Zip Code: Enter the five digit zip code for the off-site generator's business or mailing address.

IV. Transporter(s): Those carriers who are known to have transported waste to the site are listed here.

IV-01 Name: Enter the legal name of the transporter. The transporter may be a firm, government agency, association, individual, etc.

IV-02 D&B Number: Where available, enter the transporter's D&B (Dun and Bradstreet) number. If the transporter is a federal agency, enter the GSA identification code.

IV-03 Street Address: Enter the business, mailing, or residential street address of the transporter.

IV-04 SIC Code: If applicable, enter the transporter's primary SIC Code.

IV-05 City: Enter the city of the transporter's business, mailing, or residential address.

IV-06 State: Enter the two character alpha FIPS code for the state of the transporter's business, mailing, or residential address.

IV-07 Zip Code: Enter the five digit zip code for the transporter's business, mailing, or residential address.

V. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 10 Past Response Activities

*I. Identification: Refer to Part 1—I.

II. Past Response Activities

II-01 Past Response Activities: Check the appropriate box(es) to indicate response activities initiated prior to the passage of CERCLA, December, 1980.

II-02 Date: Enter the start date (or approximate date) of the activity.

II-03 Agency: Enter the name of the Agency responsible for the activity.

II-04 Description: Provide a brief narrative description of the activity.

III. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 11 Enforcement Information

*I. **Identification**: Refer to Part 1—I.

II. **Enforcement Information**

II-01 Past Regulatory/Enforcement Action: Check the appropriate box to indicate past regulatory or enforcement action at the federal, state, or local level related to this site.

II-02 Description of Federal, State, Local Regulatory or Enforcement Action: Provide a narrative description of regulatory or enforcement action to date. Do not include any enforcement action contemplated in the process of development.

III. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

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. 1335-26-7	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	Dichloropropene (all isomers)
111. 26952-23-8	Dichloropropane (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