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SITE SCREENING INVESTIGATION REPORT
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA

Prepared Under
TDD NO. F4-8408-07
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FOR THE

AIR AND WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

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NUS CORPORATION
SUPERFUND DIVISION

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TDD-F4-8408-07

1.0 INTRODUCTION

At the request of the U.S. Environmental Protection Agency (USEPA), Air and Waste Management Division, Region IV, the NUS Corporation Field Investigation Team (FIT), Region IV, conducted a site screening investigation at the Swift Agricultural Corporation Site in Savannah, Georgia. The investigation was conducted by Brad Jackson and Johnny Smith during the period October 15-16, 1984. Work performed during the investigation was in accordance with the guidelines stated in the Technical Directive Document (TDD) F4-8408-07.

2.0 SITE CHARACTERIZATION

2.1 Site History

The Swift Agricultural Corporation Site was formerly a fertilizer manufacturing facility (1). Agricultural chemicals were produced at the site from the late 50's to late 70's. In 1978, Swift Agricultural was purchased by Colonial Oil Company. At that time, onsite buildings used in the production processes were demolished but two ponds used for settling of sludges from effluent wastewater remained, along with a sludge pile.

It was estimated that during the operational period of Swift Agricultural, 2,000 tons of sludge were generated at the site. In August 1983, Colonial Oil Company had the sludge in the ponds excavated and transported, along with a surface pile of sludge, to a proper disposal facility. The ponds were then filled with a clay-bearing soil.

Available records do not show which type of fertilizer, nitrogen or phosphate based, Swift Agricultural Corporation produced. In general, there are three

metals, chromium, cadmium, and zinc, that are present in effluent common to both nitrogen and phosphate based fertilizer production; there are, however, other metals primarily associated with a single process type. Metals characteristic of nitrogen based fertilizers are iron and nickel. Vanadium and arsenic are commonly associated with phosphate fertilizers (2).

2.2 Site Description

As shown in Figure 1, the Swift Agricultural Site is located in the northern suburbs of Savannah, Georgia, approximately 100 feet southwest of the Savannah River. Site coordinates are 32°05'37" north latitude and 81°06'29" west longitude. Due to the close proximity of the Savannah River, the area surrounding the site is highly industrialized, primarily involved with the exporting and importing of various trade goods.

At the time of the investigation, the site was typically barren and flat. There was no evidence as to the former location of the settling ponds nor the surface pile of sludge. Mr. George Allen, Safety Director for Colonial Oil Company, was able to define the general perimeter of the two settling ponds and surface pile. As shown in Figure 2, the site had a surface area of approximately 1/3 acre with approximate dimensions of 300 feet long by 50 feet wide. The approximate boundaries of the former settling ponds and surface pile are also shown in Figure 2.

2.3 Hydrogeology

The site is located in the outcrop area of the Pliocene-to-Recent aquifer (3,4,5). The sedimentary units comprising this system are sands, clayey sands, and clays representing estuarine, lagoon, coastal, and marine environments (6). The Pliocene-to-Recent aquifer is about 60 feet thick in the vicinity of the site and serves domestic needs (3,6). Due to the proximity of the Savannah River onsite water level fluctuations in excess of three feet were observed in conjunction with tides. Groundwater from the Pliocene-to-Recent aquifer has an average concentration of dissolved solids of 300 mg/l (7).

The Pliocene-to-Recent aquifer is underlain by the Miocene aquifer system, comprised mainly by the Hawthorn Group. The Hawthorn is approximately 100 to 200 feet thick in the site area and consists of sands and clays of shallow marine origin. The Miocene aquifer serves industrial needs with an average yield of approximately 10,000 gpd combined water use for the Miocene and Pliocene-to-Recent aquifers in Chatham County was 0.51 mgd in 1983 (8,9,10,11).

The Floridan aquifer, the Southeast's most prolific artesian aquifer, underlies the Miocene at about-200 feet MSL in the vicinity of the site (12). The Floridan, predominantly solutioned limestone, is capable of producing yields up to several thousand gallons per minute and serves as the industrial and municipal water supply for the City of Savannah.

3.0 OBJECTIVE

The objective of this investigation was to collect environmental water and soil samples for chemical analyses. The resulting data would serve as an aid in determining whether or not the sludge removal operations conducted by Colonial Oil Company were sufficient to eliminate the threat of environmental contamination by trace metals in the sludge produced as a biproduct of the Swift Agricultural chemical productions.

4.0 SCOPE

It was within the scope of this investigation to install four temporary monitoring wells at the site. Water samples were collected from three of the wells. (One of the wells would not yield a sufficient volume of water for sample collection.) Soil samples were collected from the four auger holes made during the well installation.

5.0 DATA COLLECTION

5.1 Analytical Laboratories

Analytical services for the environmental water and soil samples collected during the investigation were provided by consulting laboratories under contract with the USEPA in the Contract Laboratory Program (CLP). Organic analyses of water and soil samples were conducted by West Coast Technical Service, Cerritos, California. Inorganic analyses of water and soil samples were conducted by Versar, Springfield, Virginia.

Table I is a description of the sample codes and their locations. The results from organic and inorganic analyses have been collated and are shown in Tables II-V. The analytical data from which these tables were developed are in Appendix A.

5.2 Analytical Data Quality

All organic and inorganic analytical data should be limited to site screening use since the data has not been subjected to a Quality Control Review by the USEPA Environmental Services Division (ESD) Quality Assurance Program. As shown in Tables II and III, concentrations for some of the reported compounds have been estimated. Moreover, detection of various compounds reported in these Tables has been based upon the presumptive evidence of presence of the reported compound. This data, including concentrations estimated, can be used as a positive indication of the presence of the reported compounds.

5.3 Field Measurements

Measurements of pH and temperature were made on each of the water samples collected during the investigation. These measurements are shown in Table VI.

5.4 Sample Duplicates

The Colonial Oil Company requested duplicates of all samples collected during the investigation. Duplicates of water samples collected from each of the wells (WP2-4W, WP3-5W, WP4-6W) and soil samples collected from each of the auger holes (WP1-3S, WP2-4S, WP3-5S, WP4-6S) were provided to Colonial Oil Company. Mr. George Allen accepted the samples and the transfer of samples was shown in a "Receipt for Samples" Document.

5.5 Description of Sample Collection Stations

During the investigation, four temporary monitoring wells were installed at the site. As shown in Figure 2, auger holes were drilled in areas that were formerly the sludge pile, sludge pond no. 1, and sludge pond no. 2, in addition to a location between the site and Savannah River. Stainless steel 2 in. well casings with approximately 30 in. screens were installed in each of the auger holes.

With the exception of the sludge pile area well (WP1), water samples were collected from each of the wells. Soil samples were collected from each of the auger holes.

At each of the well locations in the former sludge containment area, the soil below land surface (bls) had the appearance of a typical grey potter's clay, very dense. Subsurface soil at the location between the sludge containment area and Savannah River was also a dense clay but tan in color. Due to the nature of the soil, water movement into the wells was restricted and combined with the tidal influence in the Savannah River collection of water samples was very difficult and even impossible with respect to the well (WP1) installed in the sludge pile area.

The depth of well installation and water levels at time of collection are shown in Table VI.

5.5.1 Sludge Pile Area

A temporary monitoring well was installed in the former sludge pile area approximately 36 feet east and 39 feet north of the above ground pipe lines. A powered auger was used to drill a hole 9 feet bls. The well point was installed and allowed to fill with groundwater. However, within a 24 hour period an insufficient volume of water, approximately .5 gal., was obtained. As a result, for purposes of groundwater sampling, the well was abandoned.

During the augering of the hole a composite soil sample (WP1-3S) was collected from the auger cuttings. The soil was collected from an approximate interval of 2 ft. to 7 ft. bls.

5.5.2 Sludge Pond No. 1

A temporary monitoring well was installed in the area of the former sludge pond closest to the Savannah River, pond no. 1. The well point was installed to a depth 7 ft. bls. A water sample (WP2-4W) was collected approximately 20 hours later.

A composite soil sample (WP2-4S) was collected from the auger hole cuttings representing an approximate interval of 1 ft. to 5 ft. bls.

5.5.3 Sludge Pond No. 2

A temporary monitoring well was installed in the sludge pond between the sludge pile and sludge pond nearest the Savannah River. The well point was installed to a depth of 11.5 ft. bls in pond no. 2. A water sample (WP3-5W) was collected after groundwater was allowed to seep into the well for approximately eight hours.

A composite soil sample (WP3-5S) was collected from the auger hole cuttings between an approximate interval of 2 ft. to 10 ft. bls.

5.5.4 Between Site and Savannah River

A final temporary monitoring well was installed between the former sludge containment areas and the Savannah River, approximately 50 ft. from the river. The well point was installed to 10.4 ft. bls. and allowed to fill with groundwater for three hours before collecting the water sample (WP4-6W). Due to the close proximity of the Savannah River and the area between the River and site either being used for an access road or multiple sets of railroad tracks, the only feasible well location was a drainage ditch between the gravel access road and railroad tracks.

A composite soil sample (WP4-6S) was collected from the auger cuttings between an approximate interval of 2 ft. to 7 ft. bls.

6.0 PRESENTATION OF ANALYTICAL RESULTS BY STATION

Review of the analytical data indicates the presence of various organic compounds in the water and soil samples collected from the site. Organic compounds detected can be characterized primarily as solvents but a pesticide and coal tar derivative were also detected. Many of the eleven organic compounds and twenty-two inorganic constituents detected have been listed by the Natural Resource Defense Council as priority pollutants [13].

6.1 Sludge Pile Area

Results from laboratory analyses of the soil sample (WP1-3S) collected from the former sludge pile area showed the presence of two organic compounds, both of which are priority pollutants. Methylene chloride and tetrachloroethene were reported at concentrations of 51 ug/kg and 13 ug/kg, respectively. Methylene chloride is a common solvent used in analytical laboratory cleaning processes; as a result, its presence may not be representative of onsite conditions. Analyses for inorganics resulted in the detection of fourteen constituents, among which, chromium (13 mg/kg), lead (40 mg/kg), antimony (34 mg/kg), zinc (26 mg/kg), and mercury (0.2 mg/kg) are priority pollutants.

6.2 Sludge Pond No. 1

Chemical analyses of the water sample (WP2-4W) collected from sludge pond no. 1 revealed the presence of five organic compounds. Priority pollutants detected consisted of 4,4'DDT(P,P'-DDT) (0.38 ug/l), methylene chloride (12 ug/l), and toluene (4 ug/l). Acetone was also detected at a concentration of 60 ug/l; however, its presence may not be solely attributable to onsite conditions since it is often used in the cleaning of glassware and other laboratory equipment. Laboratory analyses for inorganics resulted in the detection of twenty-two constituents. The following inorganics detected are listed as priority pollutants: silver (8 ug/l), arsenic (63 ug/l), beryllium (5 ug/l), cadmium (10 ug/l), chromium (330 ug/l), copper (570 ug/l), nickel (120 ug/l), lead (4,100 ug/l), antimony (640 ug/l), zinc (2,700 ug/l), mercury (32 ug/l), and cyanide (5 ug/l).

Results from laboratory analyses of the soil sample (WP2-4S) collected from sludge pond no. 1 showed the presence of four organic compounds. Among the organic compounds detected, methylene chloride (20 ug/l) was the only priority pollutant present. Inorganic analyses resulted in the detection of eighteen constituents, and among those detected, silver (4.6 mg/kg), beryllium (0.9 mg/kg), chromium (14 mg/kg), copper (8.7 mg/kg), lead (26 mg/kg), antimony (24 mg/kg), zinc (23 mg/kg), and mercury (0.3 mg/kg) are priority pollutants.

6.3 Sludge Pond No. 2

Laboratory analyses of the water sample (WP3-5W) collected from the area of sludge pond no. 2 resulted in the detection of six organic compounds, of which methylene chloride (12 ug/l), trichloroethene (10 ug/l), 2,4-dinitrotoluene (890 ug/l), and pyrene (8 ug/l) are priority pollutants. Pyrene is a coal tar based compound normally associated with asphalt, creosote, and some petroleum products. Isopropanol was reported at a concentration of 6 ug/l; however, it was used by FIT during decontamination procedures. As a result, its presence may not be representative of onsite conditions. Analyses for inorganic constituents in the sludge pond no. 2 water sample (WP3-5W) resulted in the detection of twenty-one metals in addition to cyanide. Priority pollutants detected consisted of silver (6 ug/l), arsenic (95 ug/l), beryllium (5 ug/l), cadmium (5 ug/l), chromium (340 ug/l), copper (480 ug/l), nickel (150 ug/l), lead (2,300 ug/l), antimony (460 ug/l), zinc (2,600 ug/l), mercury (25 ug/l), and cyanide (420 ug/l).

Results from organic laboratory analyses of the soil sample (WP3-5S) collected from sludge pond no. 2 showed the presence of three organic compounds, of which methylene chloride (23 ug/kg) was the only priority pollutant. Laboratory analyses for inorganics in the soil sample (WP3-5S) resulted in the detection of seventeen constituents. The following are priority pollutants detected among the inorganics: arsenic (4.2 mg/kg), beryllium (0.8 mg/kg), chromium (10 mg/kg), copper (6.1 mg/kg), nickel (9.2 mg/kg), lead (39 mg/kg), zinc (62 mg/kg), and mercury (0.3 mg/kg).

6.4 Between the Site and Savannah River

A water sample (WP4-6W) was collected from the temporary monitoring well installed between the site and the Savannah River. Results from laboratory analyses showed the presence of four organic compounds, of which methylene chloride (10 ug/l) and toluene (3 ug/l) are priority pollutants. Isopropanol was detected at a concentration of 30 ug/l. Analyses for inorganics resulted in the detection of nineteen constituents. Among those detected, beryllium (17 ug/l), cadmium (27 ug/l), chromium (270 ug/l), copper (7,200 ug/l), nickel (300 ug/l), lead (240 ug/l), antimony (470 ug/l), zinc (20,000 ug/l), and cyanide (77 ug/l) are priority pollutants.

Organic analyses of the soil sample (WP4-6S) collected between the site and Savannah River resulted in the detection of six organic compounds. Methylene chloride (56 ug/kg) and toluene (7 ug/kg) were the only priority pollutants reported. Isopropanol was reported at a concentration of 80 ug/kg. Analyses for inorganic constituents resulted in the detection of sixteen metals, of which, silver (2.9 mg/kg), beryllium (0.9 mg/kg), chromium (6.9 mg/kg), copper (19 mg/kg), lead (13 mg/kg), antimony (23 mg/kg), and zinc (20 mg/kg) are priority pollutants.

7.0 SUMMARY

Review of the analytical data shows the detection of nine organic compounds and twenty-two inorganic constituents among the water and soil samples collected from the site.

Organic compounds detected at the site can be categorized as solvents, with the exception of a pesticide and coal tar derivative. As shown in Tables II and III methylene chloride, acetone, and isopropanol were detected in the majority of the water and soil samples collected. These solvents are routinely used in laboratory or field decontamination procedures. As a result, their presence may not reflect actual onsite conditions. Other solvents detected were toluene, trichloroethene, tetrachloroethene, methylethylketone, and 2,4 dinitrotoluene. As shown in Tables II and III, concentrations among solvents varied but were generally less than 50 ug/l in water samples and 100 ug/kg in soil samples. Non-solvents detected consisted of 4,4'-DDT (P,P'-DDT) (0.38 ug/l) in the water sample collected from sludge pond no. 1 and pyrene (8 ug/l) in the water sample collected from sludge pond no. 2.

As noted previously, there are three metals, cadmium, chromium, and zinc, that are common to both nitrogen and phosphate based fertilizer production. Nickel and iron are characteristic to nitrogen-based fertilizers, and arsenic and vanadium are unique to phosphate fertilizers. With the exception of arsenic (Table IV) and cadmium and nickel (Table V) each of these inorganics were detected consistently among water and soil samples collected.

For comparitive purposes, the Water Quality Criteria for Human Health [14] was obtained for each of the priority pollutant metals detected which are associated with either nitrogen or phosphate based fertilizers.

Concentrations of arsenic, chromium, and nickel reported in the groundwater samples are well in excess of the established criteria for Human Health. Arsenic concentrations ranged from 63 ug/l to 95 ug/l, exceeding the 0.022 ug/l limit. Concentrations of chromium ranged from 270 ug/l to 340 ug/l with an established limit of 50 ug/l. Finally, nickel concentrations ranged from 120 ug/l to 300 ug/l, exceeding the 13.4 ug/l limit. Only concentrations of cadmium (27 ug/l) and zinc (20,000 ug/l) detected in the water sample collected from the well located between the site and the Savannah River were in excess of the Water Quality Criteria of 10 ug/l and 5000 ug/l, respectively.

The majority of concentrations of arsenic, chromium, nickel, vanadium, zinc, and iron are below a median concentration for these metals in ambient soils established by the Center for Disease Control [15]. Median concentrations established are as

follows: arsenic 6 mg/kg, chromium 100 mg/kg, nickel 40 mg/kg, vanadium 100 mg/kg, zinc 50 mg/kg, and iron 20,000 mg/kg.

With respect to water, few comparisons could be made between the numbers of metals detected and their concentrations among the temporary monitoring wells sampled. In general, numbers and concentrations of metals reported in sludge pond no. 1 and sludge pond no. 2 were greater than those reported in the sample collected from the area between the site and the Savannah River.

As with metals in the water samples, few generalities could be made concerning the numbers and concentrations of constituents detected among the soil samples. As a whole, the metals were found in greatest numbers in the two sludge ponds. However, the reported concentrations were generally similar to those found in the sludge pile and the area between the site and the Savannah River.

8.0 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 the Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual (Draft); United States Environmental Protection Agency, Region IV, Environmental Services Division, August 29, 1980 (16) and all revisions mentioned in the 12/14/83 letter from Charlie Wilson, NUS, Atlanta, to Steve Byers, NUS-Quality Assurance/Superfund Manager, Gaithersburg. All laboratory analyses and quality assurance procedures used during this investigation were in accordance with standard procedures and protocols as specified in the Analytical Support Branch Operations and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division;April, 1982 (17) or as specified by the existing United States Evironmental Protection Agency standard procedures and protocols for the contract analytical laboratory program.

References

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12. Tuohy, M. A., 1984. Structure-contour map of the top of the Principal Artesian aquifer system, in Arora, 1984.

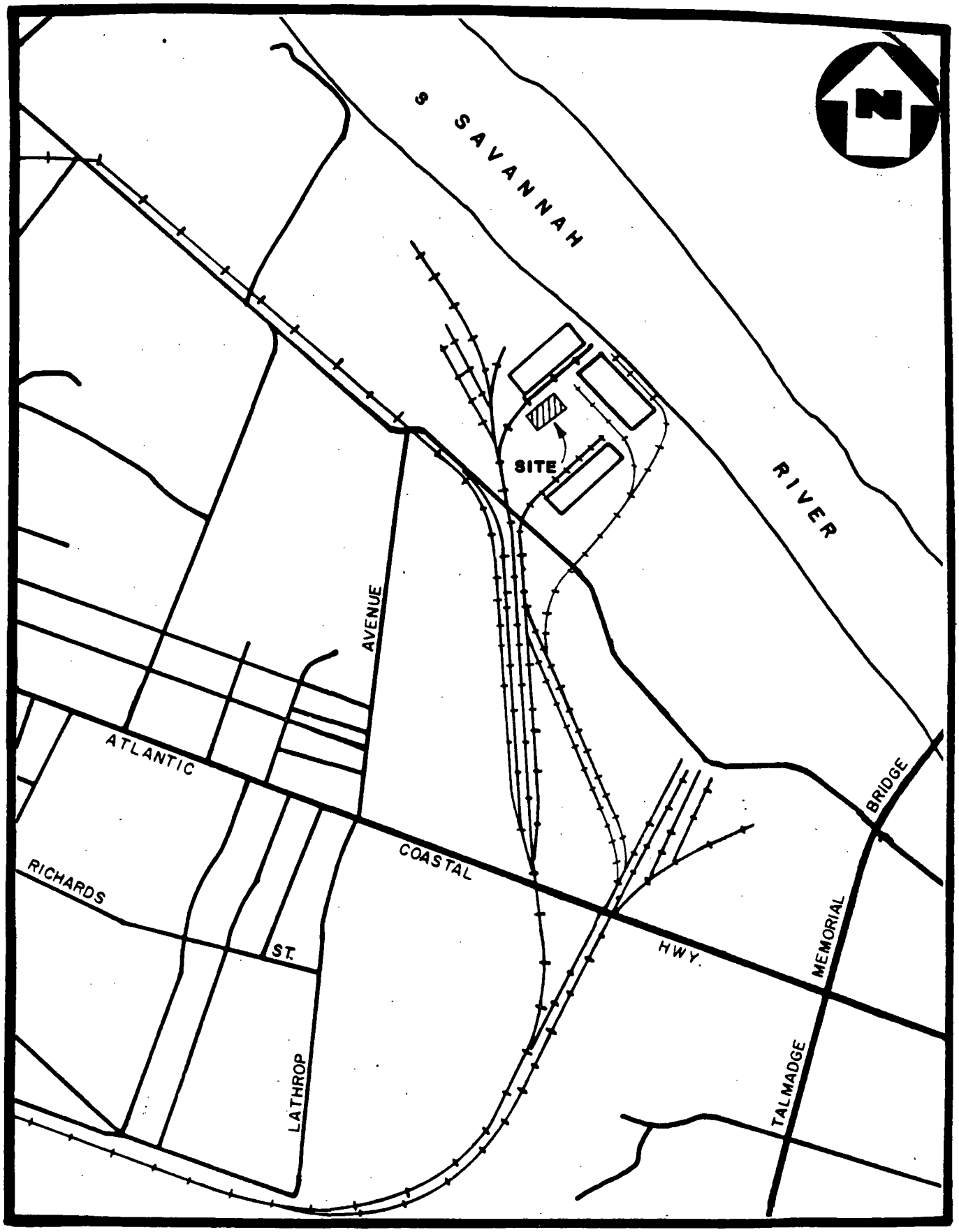
13. Natural Resources Defence Council, Inc., et al, and EPA Consent Decree. June 7, 1976.

14. "Water Quality Criteria Documents"; Federal Register. (Vol. 45, No. 231, Part 5); Friday, November 28, 1980. pp. 79318-79.

15. Department of Human Health Services, Centers for Disease Control. Memorandum concerning chemical elements in soil. May 12, 1983.

16. Water Surveillance Branch Standard Operation Procedures and Quality Assurance Manual (Draft); United States Environmental Protection Agency, Region IV, Environmental Services Division, August 29, 1980.

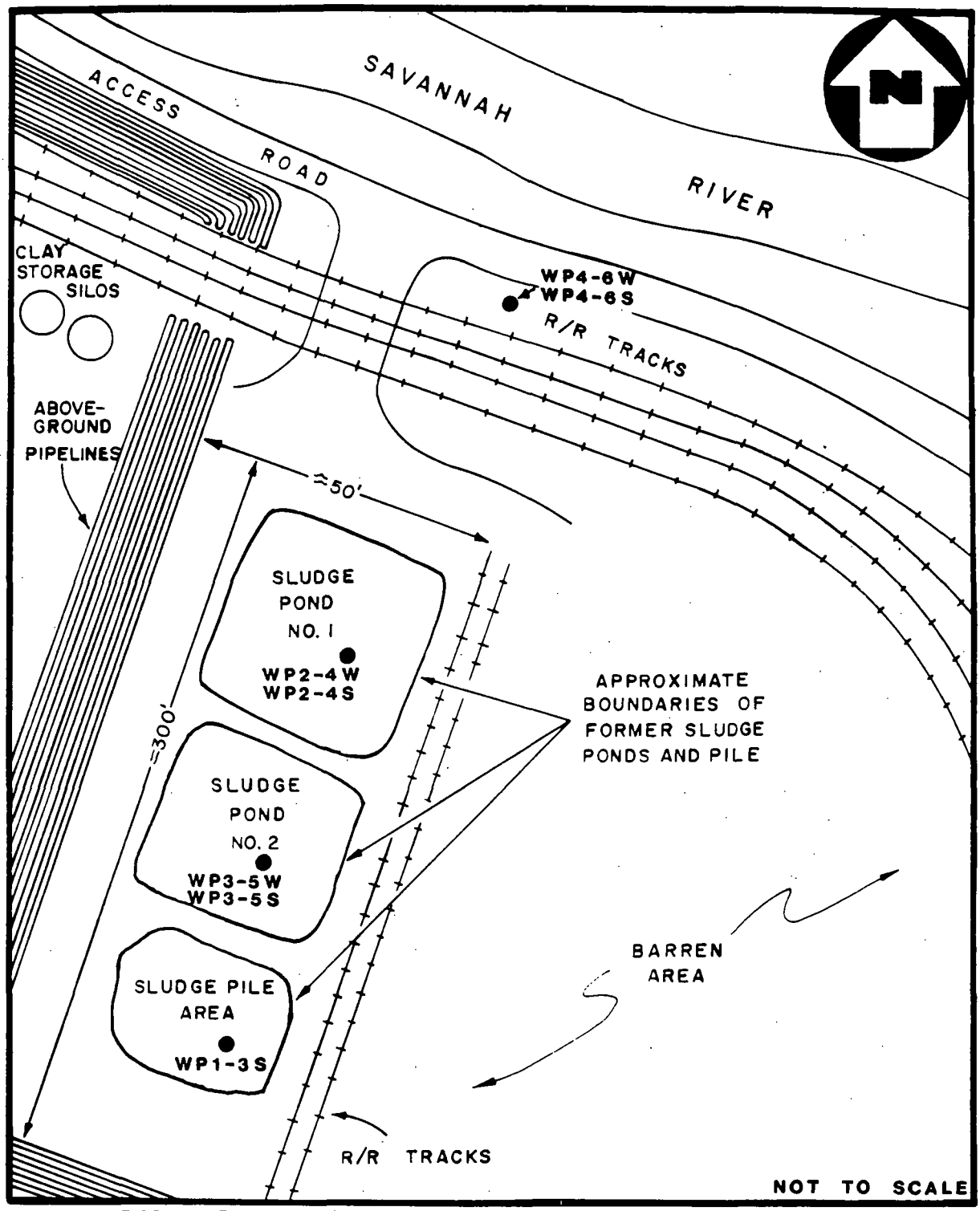
17. Analytical Support Branch Operations and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division; April, 1982.



SITE LOCATION
SWIFT AGRICULTURAL CORP.
SAVANNAH, GA.

FIGURE 1

NUS CORPORATION
A Halliburton Company



SITE SKETCH AND LOCATION OF SAMPLE POINTS SWIFT AGRICULTURAL CORPORATION SAVANNAH, GEORGIA

FIGURE 2

NUS CORPORATION
A Halliburton Company

TABLE I
DESCRIPTION OF SAMPLE CODES AND LOCATIONS
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA

Sample Code	Sample Type	Description/Locations
SA*-WP1-3S**	composite	Soil sample was collected from auger cuttings at the former sludge pile area.
WP2-4W** WP2-4S	grab composite	Water sample was collected from well point no. 2 installed in the area of the former sludge pond no. 1. Soil sample was collected from auger cuttings.
WP3-5W WP3-5S	grab composite	Water sample was collected from well point no. 3 installed in the area of the former sludge pond no. 2. Soil sample was collected from auger cuttings.
WP4-6W WP4-6S	grab composite	Water sample was collected from well point no. 4 installed between the site and the Savannah River. Soil sample was collected from auger cuttings.

* The abbreviation "SA" represents Swift Agricultural Site and will not be used in the remainder of the Tables nor in the body of the report.

** W - denotes water; S - denotes soil

TABLE II
ORGANIC ANALYSES
WATER SAMPLES
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA
(RESULTS IN UG/L)

Compound	Pond No. 1 WP2-4W	Pond No. 2 WP3-5W	Between Site and Savannah River WP4-6W
4,4'-DDT (P,P'-DDT)*	0.38	-	-
Methylene chloride*	12	12	10
Toluene*	4(A)	-	3(A)
Trichloroethene*	-	10	-
Acetone	60(A)	50(A)	30(A)
Methyl ethyl ketone	20(A)	-	-
Isopropanol	-	6(B)	30(B)
2,4-dinitrotoluene*	-	890	-
Pyrene*	-	8(A)	-

* Priority Pollutant
(A) Estimated Value
(B) Value was estimated and detection was based upon the presumptive evidence of presence of material.
\- Material was analyzed for but not detected.

Note: Data has not been subjected to a Quality Control Review.
Data should be limited to site screening.

TABLE III
ORGANIC ANALYSES
SOIL SAMPLES (DRY WEIGHT)
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA
(RESULTS IN UG/KG)

Compound	Sludge Pile WP1-3S	Pond No. 1 WP2-4S	Pond No. 2 WP3-5S	Between Site and Savannah River WP4-6S
Methylene chloride*	51	20(A)	23(A)	56
Tetrachloroethene*	13(A)	-	-	-
Toluene*	-	-	-	7(A)
Acetone	-	100(A)	100(A)	300(A)
Methylethylketone	-	100(A)	100(A)	100(A)
Isopropanol	-	-	-	80(B)
1 Unidentified compound	-	1000(A)	-	800(A)

* Priority Pollutant
(A) Estimated Value
(B) Value estimated and detection was based upon the presumptive of presence of material.
\- Material was analyzed for but not detected.

Note: Data has not been subjected to a Quality Control Review. Data should be limited to site screening.

TABLE IV
INORGANIC ANALYSES
WATER SAMPLES
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA
(RESULTS IN UG/L)

Constituents	Pond No. 1 WP2-4W	Pond No. 2 WP3-5W	Between Site and Savannah River WP4-6W
Silver*	8	6	-
Arsenic*	63	95	-
Barium	1,900	1,300	350
Beryllium*	5	5	17
Cadmium*	10	5	27
Cobalt	30	41	400
Chromium*	330	340	270
Copper*	570	480	7,200
Nickel*	120	150	300
Lead*	4,100	2,300	240
Antimony*	640	460	470
Vanadium	280	280	290
Zinc*	2,700	2,600	20,000
Mercury*	32	25	-
Aluminum	2,800,000	2,500,000	640,000
Manganese	3,400	2,700	3,000
Calcium	7,500,000	7,300,000	280,000
Magnesium	1,400,000	1,200,000	36,000
Iron	1,300,000	1,400,000	130,000
Sodium	39,000	25,000	47,000
Potassium	56,000	7,300,000	86,000
Cyanide*	5	420	77

* Priority Pollutant
\- Material was analyzed for but not detected.

Note: Data has not been subjected to a Quality Control Review. Data should be limited to site screening.

TABLE V
INORGANIC ANALYSES
SOIL SAMPLES (DRY WEIGHT)
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA
(RESULTS IN MG/KG)

Constituent	Sludge Pile WP1-3S	Pond No. 1 WP2-4S	Pond No. 2 WP3-5S	Between Site and Savannah River WP4-6S
Silver*	-	4.6	-	2.9
Arsenic*	-	-	4.2	-
Barium	31	35	26	13
Beryllium*	-	0.9	0.8	0.9
Cobalt	-	4.4	-	-
Chromium*	13	14	10	6.9
Copper*	-	8.7	6.1	19
Nickel*	-	-	9.2	-
Lead*	40	26	39	13
Antimony*	34	24	-	23
Vanadium	12	15	13	9
Zinc*	26	23	62	20
Mercury*	0.2	0.3	0.3	-
Aluminum	7,500	6,400	8,300	4,200
Manganese	34	23	45	12
Calcium	8,100	1,500	4,900	410
Magnesium	41	43	640	240
Iron	3,800	4,000	5,600	3,700
Sodium	200	22	150	150
Potassium	1,800	1,600	3,100	1,200

* Priority Pollutant
\- Material was analyzed for but not detected.

Note: Data has not been subjected to a Quality Control Review. Data should be limited to site screening.

TABLE VI
FIELD OBSERVATIONS
SWIFT AGRICULTURAL CORPORATION
SAVANNAH, GEORGIA

Sample Code	Date (1984)	Time	Temp ° C.	pH s.u.	Total Well Depth BLS (ft.)	Water Elevation BLS (ft.)
WP1	10/15	-	-	-	9.0	-
WP2-4W	10/15	1100	34.0	6.5	7.0	3.4
WP3-5W	10/16	1645	31.0	6.1	11.5	8.0
WP4-6W	10/16	1600	31.0	4.2	10.4	7.0

APPENDIX A

PESTICIDES/PCB's AND OTHER CHLORINATED COMPOUNDS

WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: H5C5303 SAMPLE TYPE: NORMAL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1100
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4448 INORG SAMPLE NO.: MDA167
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	
0.10	UG/L	ALDRIN	
0.10	UG/L	HEPTACHLOR	
0.10	UG/L	HEPTACHLOR EPOXIDE	
0.10	UG/L	ALPHA-BHC	
0.10	UG/L	BETA-BHC	
0.10	UG/L	GAMMA-BHC (LINDANE)	
0.10	UG/L	DELTA-BHC	
0.10	UG/L	ENDOSULFAN I (ALPHA)	
0.10	UG/L	DIELDRIN	
0.38	UG/L	4,4'-DDT (P,P'-DDT)	
0.10	UG/L	4,4'-DDE (P,P'-DDE)	
0.10	UG/L	4,4'-DDD (P,P'-DDD)	
0.10	UG/L	ENDRIN	
0.10	UG/L	ENDOSULFAN II (BETA)	
0.10	UG/L	ENDOSULFAN SULFATE	
0.50	UG/L	CHLORDANE (TECH. MIXTURE)	/1
0.50	UG/L	PCB-1242 (AROCLOR 1242)	
1.00	UG/L	PCB-1254 (AROCLOR 1254)	
2.00	UG/L	PCB-1221 (AROCLOR 1221)	
0.50	UG/L	PCB-1232 (AROCLOR 1232)	
0.50	UG/L	PCB-1248 (AROCLOR 1248)	
1.00	UG/L	PCB-1260 (AROCLOR 1260)	
0.50	UG/L	PCB-1016 (AROCLOR 1016)	
1.00	UG/L	TOXAPHENE	
0.10	UG/L	ENDRIN ALDEHYDE	
NA	UG/L	2,3,7,8 TCDD(DIOXIN)	
--	UG/L	CHLORDENE	/2
--	UG/L	ALPHA-CHLORDENE	/2
--	UG/L	GAMMA-CHLORDENE	/2
--	UG/L	1-HYDROXYCHLORDENE	/2
--	UG/L	GAMMA-CHLORDANE	/2
--	UG/L	TRANS-NONACHLOR	/2
--	UG/L	ALPHA-CHLORDANE	/2
--	UG/L	CIS-NONACHLOR	/2
0.50	UG/L	METHOXYCHLOR	

****

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
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5305 SAMPLE TYPE: MONOL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1645
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4450 INORG SAMPLE NO.: MDA169
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	
20	UG/L	ALDRIN	
20	UG/L	HEPTACHLOR	
20	UG/L	HEPTACHLOR EPOXIDE	
20	UG/L	ALPHA-BHC	
20	UG/L	BETA-BHC	
20	UG/L	GAMMA-BHC (LINDANE)	
20	UG/L	DELTA-BHC	
20	UG/L	ENDOSULFAN I (ALPHA)	
20	UG/L	DIELDRIN	
20	UG/L	4,4'-DDT (P,P'-DDT)	
20	UG/L	4,4'-DDE (P,P'-DDE)	
20	UG/L	4,4'-DDD (P,P'-DDD)	
20	UG/L	ENDRIN	
20	UG/L	ENDOSULFAN II (BETA)	
20	UG/L	ENDOSULFAN SULFATE	
100	UG/L	CHLORDANE (TECH. MIXTURE)	/1
100	UG/L	PCB-1242 (AROCLOR 1242)	
200	UG/L	PCB-1254 (AROCLOR 1254)	
400	UG/L	PCB-1221 (AROCLOR 1221)	
100	UG/L	PCB-1232 (AROCLOR 1232)	
100	UG/L	PCB-1248 (AROCLOR 1248)	
200	UG/L	PCB-1260 (AROCLOR 1260)	
100	UG/L	PCB-1016 (AROCLOR 1016)	
200	UG/L	TOXAPHENE	
20	UG/L	ENDRIN ALDEHYDE	
NA	UG/L	2,3,7,8 TCDD(DIOXIN)	
--	UG/L	CHLORDENE	/2
--	UG/L	ALPHA-CHLORDENE	/2
--	UG/L	GAMMA-CHLORDENE	/2
--	UG/L	1-HYDROXYCHLORDENE	/2
--	UG/L	GAMMA-CHLORDANE	/2
--	UG/L	TRANS-NONACHLOR	/2
--	UG/L	ALPHA-CHLORDANE	/2
--	UG/L	CIS-NONACHLOR	/2
100	UG/L	METHOXYCHLOR	

****

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
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.
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2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C530R SAMPLE TYPE: NORMAL

PROJECT NO.: 85-005 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1600
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4452 INORG SAMPLE NO.: MDA171
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLR DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	
0.10	UG/L	ALDRIN	
0.10	UG/L	HEPTACHLOR	
0.10	UG/L	HEPTACHLOR EPOXIDE	
0.10	UG/L	ALPHA-BHC	
0.10	UG/L	BETA-BHC	
0.10	UG/L	GAMMA-BHC (LINDANE)	
0.10	UG/L	DELTA-BHC	
0.10	UG/L	ENDOSULFAN I (ALPHA)	
0.10	UG/L	DIELDRIN	
0.10	UG/L	4,4'-DDT (P,P'-DDT)	
0.10	UG/L	4,4'-DDE (P,P'-DDE)	
0.10	UG/L	4,4'-DDD (P,P'-DDD)	
0.10	UG/L	ENDRIN	
0.10	UG/L	ENDOSULFAN II (BETA)	
0.10	UG/L	ENDOSULFAN SULFATE	
0.50	UG/L	CHLORDANE (TECH. MIXTURE)	/1
0.50	UG/L	PCB-1242 (AROCLOR 1242)	
1.00	UG/L	PCB-1254 (AROCLOR 1254)	
2.00	UG/L	PCB-1221 (AROCLOR 1221)	
0.50	UG/L	PCB-1232 (AROCLOR 1232)	
0.50	UG/L	PCB-1248 (AROCLOR 1248)	
1.00	UG/L	PCB-1260 (AROCLOR 1260)	
0.50	UG/L	PCB-1016 (AROCLOR 1016)	
1.00	UG/L	TOXAPHENE	
0.10	UG/L	ENDRIN ALDEHYDE	
NA	UG/L	2,3,7,8 TCDD(DIOXIN)	
--	UG/L	CHLORDENE	/2
--	UG/L	ALPHA-CHLORDENE	/2
--	UG/L	GAMMA-CHLORDENE	/2
--	UG/L	1-HYDROXYCHLORDENE	/2
--	UG/L	GAMMA-CHLORDANE	/2
--	UG/L	TRANS-NONACHLOR	/2
--	UG/L	ALPHA-CHLORDANE	/2
--	UG/L	CIS-NONACHLOR	/2
0.50	UG/L	METHOXYCHLOR	

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *UAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
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2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

PESTICIDES/PCB's AND OTHER CHLORINATED COMPOUNDS

SOIL/SEDIMENT SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5302 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP1-3S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1416
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4447 INORG SAMPLE NO.: MDA166
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	
200U	UG/KG	ALDRIN	
200U	UG/KG	HEPTACHLOR	
200U	UG/KG	HEPTACHLOR EPOXIDE	
200U	UG/KG	ALPHA-BHC	
200U	UG/KG	BETA-BHC	
200U	UG/KG	GAMMA-BHC (LINDANE)	
200U	UG/KG	DELTA-BHC	
200U	UG/KG	ENDOSULFAN I (ALPHA)	
200U	UG/KG	DIELDRIN	
200U	UG/KG	4,4'-DDT (P,P'-DDT)	
200U	UG/KG	4,4'-DDE (P,P'-DDE)	
200U	UG/KG	4,4'-DDD (P,P'-DDD)	
200U	UG/KG	ENDRIN	
200U	UG/KG	ENDOSULFAN II (BETA)	
200U	UG/KG	ENDOSULFAN SULFATE	
1000U	UG/KG	CHLORDANE (TECH. MIXTURE)	/1
1000U	UG/KG	PCB-1242 (AROCLOR 1242)	
2000U	UG/KG	PCB-1254 (AROCLOR 1254)	
4000U	UG/KG	PCB-1221 (AROCLOR 1221)	
1000U	UG/KG	PCB-1232 (AROCLOR 1232)	
1000U	UG/KG	PCB-1248 (AROCLOR 1248)	
2000U	UG/KG	PCB-1260 (AROCLOR 1260)	
1000U	UG/KG	PCB-1016 (AROCLOR 1016)	
2000U	UG/KG	TOXAPHENE	
200U	UG/KG	ENDRIN ALDEHYDE	
NA	UG/KG	2,3,7,8 TCDD(DIOXIN)	
--	UG/KG	CHLORDENE /2	
--	UG/KG	ALPHA-CHLORDENE	/2
--	UG/KG	GAMMA-CHLORDENE	/2
--	UG/KG	1-HYDROXYCHLORDENE	/2
--	UG/KG	GAMMA-CHLORDANE	/2
--	UG/KG	TRANS-NONACHLOR	/2
--	UG/KG	ALPHA-CHLORDANE	/2
--	UG/KG	CIS-NONACHLOR	/2
1000U	UG/KG	METHOXYCHLOR	
20	%	MOISTURE	

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
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2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5304 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1545
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4449 INORG SAMPLE NO.: MDA168
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	
200U	UG/KG	ALDRIN	
200U	UG/KG	HEPTACHLOR	
200U	UG/KG	HEPTACHLOR EPOXIDE	
200U	UG/KG	ALPHA-BHC	
200U	UG/KG	BETA-BHC	
200U	UG/KG	GAMMA-BHC (LINDANE)	
200U	UG/KG	DELTA-BHC	
200U	UG/KG	ENDOSULFAN I (ALPHA)	
200U	UG/KG	DIELDRIN	
200U	UG/KG	4,4'-DDT (P,P'-DDT)	
200U	UG/KG	4,4'-DDE (P,P'-DDE)	
200U	UG/KG	4,4'-DDD (P,P'-DDD)	
200U	UG/KG	ENDRIN	
200U	UG/KG	ENDOSULFAN II (BETA)	
200U	UG/KG	ENDOSULFAN SULFATE	
1000U	UG/KG	CHLORDANE (TECH. MIXTURE)	/1
1000U	UG/KG	PCB-1242 (AROCLOR 1242)	
2000U	UG/KG	PCB-1254 (AROCLOR 1254)	
4000U	UG/KG	PCB-1221 (AROCLOR 1221)	
1000U	UG/KG	PCB-1232 (AROCLOR 1232)	
1000U	UG/KG	PCB-1248 (AROCLOR 1248)	
2000U	UG/KG	PCB-1260 (AROCLOR 1260)	
1000U	UG/KG	PCB-1016 (AROCLOR 1016)	
2000U	UG/KG	TOXAPHENE	
200U	UG/KG	ENDRIN ALDEHYDE	
NA	UG/KG	2,3,7,8 TCDD(DIOXIN)	
--	UG/KG	CHLORDENE	/2
--	UG/KG	ALPHA-CHLORDENE	/2
--	UG/KG	GAMMA-CHLORDENE	/2
--	UG/KG	1-HYDROXYCHLORDENE	/2
--	UG/KG	GAMMA-CHLORDANE	/2
--	UG/KG	TRANS-NONACHLOR	/2
--	UG/KG	ALPHA-CHLORDANE	/2
--	UG/KG	CIS-NONACHLOR	/2
1000U	UG/KG	METHOXYCHLOR	
25	%	MOISTURE	

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
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2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5306 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 0925
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4451 INORG SAMPLE NO.: MDA170
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
20U	UG/KG	ALDRIN
20U	UG/KG	HEPTACHLOR
20U	UG/KG	HEPTACHLOR EPOXIDE
20U	UG/KG	ALPHA-BHC
20U	UG/KG	BETA-BHC
20U	UG/KG	GAMMA-BHC (LINDANE)
20U	UG/KG	DELTA-BHC
20U	UG/KG	ENDOSULFAN I (ALPHA)
20U	UG/KG	DIELDRIN
20U	UG/KG	4,4'-DDT (P,P'-DDT)
20U	UG/KG	4,4'-DDE (P,P'-DDE)
20U	UG/KG	4,4'-DDD (P,P'-DDD)
20U	UG/KG	ENDRIN
20U	UG/KG	ENDOSULFAN II (BETA)
20U	UG/KG	ENDOSULFAN SULFATE
100U	UG/KG	CHLORDANE (TECH. MIXTURE) /1
100U	UG/KG	PCB-1242 (AROCLOR 1242)
200U	UG/KG	PCB-1254 (AROCLOR 1254)
400U	UG/KG	PCB-1221 (AROCLOR 1221)
100U	UG/KG	PCB-1232 (AROCLOR 1232)
100U	UG/KG	PCB-1248 (AROCLOR 1248)
200U	UG/KG	PCB-1260 (AROCLOR 1260)
100U	UG/KG	PCB-1016 (AROCLOR 1016)
200U	UG/KG	TOXAPHENE
20U	UG/KG	ENDRIN ALDEHYDE
NA	UG/KG	2,3,7,8 TCDD(DIOXIN)
--	UG/KG	CHLORDENE /2
--	UG/KG	ALPHA-CHLORDENE /2
--	UG/KG	GAMMA-CHLORDENE /2
--	UG/KG	1-HYDROXYCHLORDENE /2
--	UG/KG	GAMMA-CHLORDANE /2
--	UG/KG	TRANS-NONACHLOR /2
--	UG/KG	ALPHA-CHLORDANE /2
--	UG/KG	CIS-NONACHLOR /2
100U	UG/KG	METHOXYCHLOR
20	%	MOISTURE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
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2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: B5C5307 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1205
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4453 INORG SAMPLE NO.: MDA172
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	
200U	UG/KG	ALDRIN	
200U	UG/KG	HEPTACHLOR	
200U	UG/KG	HEPTACHLOR EPOXIDE	
200U	UG/KG	ALPHA-BHC	
200U	UG/KG	BETA-BHC	
200U	UG/KG	GAMMA-BHC (LINDANE)	
200U	UG/KG	DELTA-BHC	
200U	UG/KG	ENDOSULFAN I (ALPHA)	
200U	UG/KG	DIELDRIN	
200U	UG/KG	4,4'-DDT (P,P'-DDT)	
200U	UG/KG	4,4'-DDE (P,P'-DDE)	
200U	UG/KG	4,4'-DDD (P,P'-DDD)	
200U	UG/KG	ENDRIN	
200U	UG/KG	ENDOSULFAN II (BETA)	
200U	UG/KG	ENDOSULFAN SULFATE	
1000U	UG/KG	CHLORDANE (TECH. MIXTURE)	/1
1000U	UG/KG	PCB-1242 (AROCLOR 1242)	
2000U	UG/KG	PCB-1254 (AROCLOR 1254)	
4000U	UG/KG	PCB-1221 (AROCLOR 1221)	
1000U	UG/KG	PCB-1232 (AROCLOR 1232)	
1000U	UG/KG	PCB-1248 (AROCLOR 1248)	
2000U	UG/KG	PCB-1260 (AROCLOR 1260)	
1000U	UG/KG	PCB-1016 (AROCLOR 1016)	
2000U	UG/KG	TOXAPHENE	
200U	UG/KG	ENDRIN ALDEHYDE	
NA	UG/KG	2,3,7,8 TCDD(DIOXIN)	
--	UG/KG	CHLORDENE	/2
--	UG/KG	ALPHA-CHLORDENE	/2
--	UG/KG	GAMMA-CHLORDENE	/2
--	UG/KG	1-HYDROXYCHLORDENE	/2
--	UG/KG	GAMMA-CHLORDANE	/2
--	UG/KG	TRANS-NONACHLOR	/2
--	UG/KG	ALPHA-CHLORDANE	/2
--	UG/KG	CIS-NONACHLOR	/2
1000U	UG/KG	METHOXYCHLOR	
30	%	MOISTURE	

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

PURGEABLE ORGANIC ANALYSES

WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5303 SAMPLE TYPE: NONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1100
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4448 INORG SAMPLE NO.: MDA167
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.
DATA REPORTED ON DRY WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
NA	UG/L	ACROLEIN
NA	UG/L	ACRYLONITRILE
10	UG/L	CHLOROMETHANE
10	UG/L	BROMOMETHANE
10	UG/L	VINYL CHLORIDE
10	UG/L	CHLOROETHANE
12	UG/L	METHYLENE CHLORIDE
10	UG/L	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
10	UG/L	1,1-DICHLOROETHANE
10	UG/L	TRANS-1,2-DICHLOROETHENE
10	UG/L	CHLOROFORM
10	UG/L	1,2-DICHLOROETHANE
10	UG/L	1,1,1-TRICHLOROETHANE
10	UG/L	CARBON TETRACHLORIDE
10	UG/L	BROMODICHLOROMETHANE
10	UG/L	1,2-DICHLOROPROPANE
10	UG/L	TRANS-1,3-DICHLOROPROPENE
10	UG/L	TRICHLOROETHENE(TRICHLOROETHYLENE)
10	UG/L	BENZENE
10	UG/L	DIBROMOCHLOROMETHANE
10	UG/L	1,1,2-TRICHLOROETHANE
10	UG/L	CIS-1,3-DICHLOROPROPENE
100	UG/L	2-CHLOROETHYLVINYL ETHER
10	UG/L	BROMOFORM
10	UG/L	1,1,2,2-TETRACHLOROETHANE
10	UG/L	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
41	UG/L	TOLUENE
10	UG/L	CHLOROBENZENE
10	UG/L	ETHYL BENZENE
10	UG/L	M-XYLENE
10	UG/L	O&P-XYLENE(MIXED)

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5305 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1645
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4450 INORG SAMPLE NO.: MDA169
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
10	UG/L	ACROLEIN
10	UG/L	ACRYLONITRILE
10	UG/L	CHLOROMETHANE
10	UG/L	BROMOMETHANE
10	UG/L	VINYL CHLORIDE
10	UG/L	CHLOROETHANE
12	UG/L	METHYLENE CHLORIDE
10	UG/L	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
10	UG/L	1,1-DICHLOROETHANE
10	UG/L	TRANS-1,2-DICHLOROETHENE
10	UG/L	CHLOROFORM
10	UG/L	1,2-DICHLOROETHANE
10	UG/L	1,1,1-TRICHLOROETHANE
10	UG/L	CARBON TETRACHLORIDE
10	UG/L	BROMODICHLOROMETHANE
10	UG/L	1,2-DICHLOROPROPANE
10	UG/L	TRANS-1,3-DICHLOROPROPENE
10	UG/L	TRICHLOROETHENE(TRICHLOROETHYLENE)
10	UG/L	BENZENE
10	UG/L	DIBROMOCHLOROMETHANE
10	UG/L	1,1,2-TRICHLOROETHANE
10	UG/L	CIS-1,3-DICHLOROPROPENE
100	UG/L	2-CHLOROETHYLVINYL ETHER
10	UG/L	BROMOFORM
10	UG/L	1,1,2,2-TETRACHLOROETHANE
10	UG/L	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
10	UG/L	TOLUENE
10	UG/L	CHLOROBENZENE
10	UG/L	ETHYL BENZENE
10	UG/L	M-XYLENE
10	UG/L	O&P-XYLENE(MIXED)

****

FOOTNOTES
*A-AVERAGE VALUE *DA-NOT ANALYZED *MAI-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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5308 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1600
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: H JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4452 INORG SAMPLE NO.: MDA171
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLG SAMPLE DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
NA	UG/L	ACROLEIN
NA	UG/L	ACRYLONITRILE
10	UG/L	CHLOROMETHANE
10	UG/L	BROMOMETHANE
10	UG/L	VINYL CHLORIDE
10	UG/L	CHLOROETHANE
10	UG/L	METHYLENE CHLORIDE
10	UG/L	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
10	UG/L	1,1-DICHLOROETHANE
10	UG/L	TRANS-1,2-DICHLOROETHENE
10	UG/L	CHLOROFORM
10	UG/L	1,2-DICHLOROETHANE
10	UG/L	1,1,1-TRICHLOROETHANE
10	UG/L	CARBON TETRACHLORIDE
10	UG/L	BROMODICHLOROMETHANE
10	UG/L	1,2-DICHLOROPROPANE
10	UG/L	TRANS-1,3-DICHLOROPROPENE
10	UG/L	TRICHLOROETHENE(TRICHLOROETHYLENE)
10	UG/L	BENZENE
10	UG/L	DIBROMOCHLOROMETHANE
10	UG/L	1,1,2-TRICHLOROETHANE
10	UG/L	CIS-1,3-DICHLOROPROPENE
100	UG/L	2-CHLOROETHYLVINYL ETHER
10	UG/L	BROMOFORM
10	UG/L	1,1,2,2-TETRACHLOROETHANE
10	UG/L	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
3.1	UG/L	TOLUENE
10	UG/L	CHLOROBENZENE
10	UG/L	ETHYL BENZENE
10	UG/L	M-XYLENE
10	UG/L	O&P-XYLENE(MIXED)

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *KAI-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 DETECTION LIMIT.

PURGEABLE ORGANIC ANALYSES, MISC.

WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85CS303 SAMPLE TYPE: NORMAL

PROJECT NO.: 85-006 PROGRAM ELEMENT: USF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1100
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4148 INORG SAMPLE NO.: MDA167
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLH DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
60J	ACETONE
20J	METHYL ETHYL KETONE
10	CARBON DISULFIDE
10	METHYL BUTYL KETONE
10	METHYL ISOBUTYL KETONE
10	STYRENE
10	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 PURGEABLE ORGANICS ANALYSIS, DISC
DATA REPORTING SHEET
WATER

SAMPLE ID.: 85C5305 SAMPLE TYPE: NORMAL

PROJECT ID.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5N
STORET STATION ID:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1645
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: M JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4450 INORG SAMPLE NO.: ZDA169
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: ACD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
50J	ACETONE
10U	METHYL ETHYL KETONE
10U	CARBON DISULFIDE
10U	METHYL BUTYL KETONE
10U	METHYL ISOBUTYL KETONE
10U	STYRENE
10U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE
6JN	ISOPROPANOL

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C530R SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1600
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: H JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4452 INORG SAMPLE NO.: MDA171
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
30J	ACETONE
100	METHYL ETHYL KETONE
1U	CARBON DISULFIDE
1U	METHYL BUTYL KETONE
1U	METHYL ISOBUTYL KETONE
1U	STYRENE
1U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE
30JN	ISOPROPANOL

****

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 DETECTION LIMIT.

PURGEABLE ORGANIC ANALYSES

SOIL/SEDIMENT SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5302 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP1-3S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1416
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4447 INORG SAMPLE NO.: MDA166
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
NA	UG/KG	ACROLEIN
NA	UG/KG	ACRYLONITRILE
5U	UG/KG	CHLOROMETHANE
5U	UG/KG	BROMOMETHANE
5U	UG/KG	VINYL CHLORIDE
5U	UG/KG	CHLOROETHANE
51	UG/KG	METHYLENE CHLORIDE
5U	UG/KG	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	UG/KG	1,1-DICHLOROETHANE
5U	UG/KG	TRANS-1,2-DICHLOROETHENE
5U	UG/KG	CHLOROFORM
5U	UG/KG	1,2-DICHLOROETHANE
5U	UG/KG	1,1,1-TRICHLOROETHANE
5U	UG/KG	CARBON TETRACHLORIDE
5U	UG/KG	BROMODICHLOROMETHANE
5U	UG/KG	1,2-DICHLOROPROPANE
5U	UG/KG	TRANS-1,3-DICHLOROPROPENE
5U	UG/KG	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	UG/KG	BENZENE
5U	UG/KG	DIBROMOCHLOROMETHANE
5U	UG/KG	1,1,2-TRICHLOROETHANE
5U	UG/KG	CIS-1,3-DICHLOROPROPENE
50U	UG/KG	2-CHLOROETHYLVINYL ETHER
5U	UG/KG	BROMOFORM
5U	UG/KG	1,1,2,2-TETRACHLOROETHANE
13J	UG/KG	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	UG/KG	TOLUENE
5U	UG/KG	CHLOROBENZENE
5U	UG/KG	ETHYL BENZENE
5U	UG/KG	M-XYLENE
5U	UG/KG	O&P-XYLENE(MIXED)
20	%	MOISTURE

****

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

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5304 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1545
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4149 INORG SAMPLE NO.: MDA168
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
NA	UG/KG	ACROLEIN
NA	UG/KG	ACRYLONITRILE
5U	UG/KG	CHLOROMETHANE
5U	UG/KG	BROMOMETHANE
5U	UG/KG	VINYL CHLORIDE
5U	UG/KG	CHLOROETHANE
20J	UG/KG	METHYLENE CHLORIDE
5U	UG/KG	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	UG/KG	1,1-DICHLOROETHANE
5U	UG/KG	TRANS-1,2-DICHLOROETHENE
5U	UG/KG	CHLOROFORM
5U	UG/KG	1,2-DICHLOROETHANE
5U	UG/KG	1,1,1-TRICHLOROETHANE
5U	UG/KG	CARBON TETRACHLORIDE
5U	UG/KG	BROMODICHLOROMETHANE
5U	UG/KG	1,2-DICHLOROPROPANE
5U	UG/KG	TRANS-1,3-DICHLOROPROPENE
5U	UG/KG	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	UG/KG	BENZENE
5U	UG/KG	DIBROMOCHLOROMETHANE
5U	UG/KG	1,1,2-TRICHLOROETHANE
5U	UG/KG	CIS-1,3-DICHLOROPROPENE
5U	UG/KG	2-CHLOROETHYLVINYL ETHER
5U	UG/KG	BROMOFORM
5U	UG/KG	1,1,2,2-TETRACHLOROETHANE
5U	UG/KG	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	UG/KG	TOLUENE
5U	UG/KG	CHLOROBENZENE
5U	UG/KG	ETHYL BENZENE
5U	UG/KG	M-XYLENE
5U	UG/KG	O&P-XYLENE(MIXED)
25	%	MOISTURE

****

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

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5306 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 0925
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4451 INORG SAMPLE NO.: MDA170
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLH SAMPLE DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
NA	UG/KG	ACROLEIN
NA	UG/KG	ACRYLONITRILE
5U	UG/KG	CHLOROMETHANE
5U	UG/KG	BROMOMETHANE
5U	UG/KG	VINYL CHLORIDE
5U	UG/KG	CHLOROETHANE
23J	UG/KG	METHYLENE CHLORIDE
5U	UG/KG	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	UG/KG	1,1-DICHLOROETHANE
5U	UG/KG	TRANS-1,2-DICHLOROETHENE
5U	UG/KG	CHLOROFORM
5U	UG/KG	1,2-DICHLOROETHANE
5U	UG/KG	1,1,1-TRICHLOROETHANE
5U	UG/KG	CARBON TETRACHLORIDE
5U	UG/KG	BROMODICHLOROMETHANE
5U	UG/KG	1,2-DICHLOROPROPANE
5U	UG/KG	TRANS-1,3-DICHLOROPROPENE
5U	UG/KG	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	UG/KG	BENZENE
5U	UG/KG	DIBROMOCHLOROMETHANE
5U	UG/KG	1,1,2-TRICHLOROETHANE
5U	UG/KG	CIS-1,3-DICHLOROPROPENE
50U	UG/KG	2-CHLOROETHYLVINYL ETHER
5U	UG/KG	BROMOFORM
5U	UG/KG	1,1,2,2-TETRACHLOROETHANE
5U	UG/KG	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	UG/KG	TOLUENE
5U	UG/KG	CHLOROBENZENE
5U	UG/KG	ETHYL BENZENE
5U	UG/KG	M-XYLENE
5U	UG/KG	O&P-XYLENE(MIXED)
20	%	MOISTURE

****

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

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5307 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1205
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4453 INORG SAMPLE NO.: MDA172
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
NA	UG/KG	ACROLEIN
NA	UG/KG	ACRYLONITRILE
5U	UG/KG	CHLOROMETHANE
5U	UG/KG	BROMOMETHANE
5U	UG/KG	VINYL CHLORIDE
5U	UG/KG	CHLOROETHANE
56	UG/KG	METHYLENE CHLORIDE
5U	UG/KG	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	UG/KG	1,1-DICHLOROETHANE
5U	UG/KG	TRANS-1,2-DICHLOROETHENE
5U	UG/KG	CHLOROFORM
5U	UG/KG	1,2-DICHLOROETHANE
5U	UG/KG	1,1,1-TRICHLOROETHANE
5U	UG/KG	CARBON TETRACHLORIDE
5U	UG/KG	BROMODICHLOROMETHANE
5U	UG/KG	1,2-DICHLOROPROPANE
5U	UG/KG	TRANS-1,3-DICHLOROPROPENE
5U	UG/KG	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	UG/KG	BENZENE
5U	UG/KG	DIBROMOCHLOROMETHANE
5U	UG/KG	1,1,2-TRICHLOROETHANE
5U	UG/KG	CIS-1,3-DICHLOROPROPENE
50U	UG/KG	2-CHLOROETHYLVINYL ETHER
5U	UG/KG	BROMOFORM
5U	UG/KG	1,1,2,2-TETRACHLOROETHANE
5U	UG/KG	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7J	UG/KG	TOLUENE
5U	UG/KG	CHLOROBENZENE
5U	UG/KG	ETHYL BENZENE
5U	UG/KG	M-XYLENE
5U	UG/KG	O&P-XYLENE(MIXED)
30	%	MOISTURE

****

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

PURGEABLE ORGANIC ANALYSES, MISC.

SOIL/SEDIMENT SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5302 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP1-3S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1416
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4447 INORG SAMPLE NO.: MDA166
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
500	ACETONE
500	METHYL ETHYL KETONE
5U	CARBON DISULFIDE
5U	METHYL BUTYL KETONE
5U	METHYL ISOBUTYL KETONE
5U	STYRENE
5U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REC IV
ATHENS GEORGIA

02/28/85 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5304 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1545
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4449 INORG SAMPLE NO.: MDA168
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PDM DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
100J	ACETONE
100J	METHYL ETHYL KETONE
5U	CARBON DISULFIDE
5U	METHYL BUTYL KETONE
5U	METHYL ISOBUTYL KETONE
5U	STYRENE
5U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: RSC5306 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-SS
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 0925
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4451 INORG SAMPLE NO.: MDA170
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLH DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UG/KG	COMPOUND NAME
100J		ACETONE
100J		METHYL ETHYL KETONE
50		CARBON DISULFIDE
50		METHYL BUTYL KETONE
50		METHYL ISOBUTYL KETONE
50		STYRENE
50		VINYL ACETATE
NA		DICHLORODIFLUOROMETHANE
NA		FLUOROTRICHLOROMETHANE

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5307 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1205
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: H JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4453 INORG SAMPLE NO.: MDA172
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
300J	ACETONE
100J	METHYL ETHYL KETONE
5U	CARBON DISULFIDE
5U	METHYL BUTYL KETONE
5U	METHYL ISOBUTYL KETONE
5U	STYRENE
5U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
NA	FLUOROTRICHLOROMETHANE
80JN	ISOPROPANOL

****

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 DETECTION LIMIT.

EXTRACTABLE ORGANIC ANALYSES

WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5303 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1100
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4448 INORG SAMPLE NO.: MDA167
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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 DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
4U	UG/L	N-NITROSODIMETHYLAMINE
4U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE
4U	UG/L	BENZIDINE
4U	UG/L	1,3-DICHLOROBENZENE
4U	UG/L	1,4-DICHLOROBENZENE
4U	UG/L	1,2-DICHLOROBENZENE
4U	UG/L	BIS(2-CHLOROETHYL) ETHER
4U	UG/L	HEXACHLOROETHANE
4U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER
4U	UG/L	N-NITROSODI-N-PROPYLAMINE
4U	UG/L	NITROBENZENE
4U	UG/L	HEXACHLOROBUTADIENE
4U	UG/L	1,2,4-TRICHLOROBENZENE
4U	UG/L	NAPHTHALENE
4U	UG/L	BIS(2-CHLOROETHOXY) METHANE
4U	UG/L	ISOPHORONE
4U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)
4U	UG/L	2-CHLORONAPHTHALENE
4U	UG/L	ACENAPHTHYLENE
4U	UG/L	ACENAPHTHENE
4U	UG/L	DIMETHYL PHTHALATE
4U	UG/L	2,4-DINITROTOLUENE
4U	UG/L	2,6-DINITROTOLUENE
4U	UG/L	4-CHLOROPHENYL PHENYL ETHER
4U	UG/L	FLUORENE
4U	UG/L	DIETHYL PHTHALATE
4U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE
4U	UG/L	HEXACHLOROBENZENE (HCB)
4U	UG/L	4-BROMOPHENYL PHENYL ETHER
4U	UG/L	PHENANTHRENE
4U	UG/L	ANTHRACENE
4U	UG/L	DI-N-BUTYLPHTHALATE
4U	UG/L	FLUORANTHENE
4U	UG/L	PYRENE
4U	UG/L	BENZYL BUTYL PHTHALATE
4U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
4U	UG/L	BENZO(A)ANTHRACENE
4U	UG/L	CHRYSENE
4U	UG/L	3,3'-DICHLOROBENZIDINE
4U	UG/L	DI-N-OCTYLPHTHALATE
4U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
4U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
4U	UG/L	BENZO-A-PYRENE
4U	UG/L	INDENO (1,2,3-CD) PYRENE
4U	UG/L	DIBENZO(A,H)ANTHRACENE
4U	UG/L	BENZO(GHI)PERYLENE
4U	UG/L	2-CHLOROPHENOL
4U	UG/L	2-NITROPHENOL
4U	UG/L	PHENOL
4U	UG/L	2,4-DIMETHYLPHENOL
4U	UG/L	2,4-DICHLOROPHENOL
4U	UG/L	2,4,6-TRICHLOROPHENOL
4U	UG/L	4-CHLORO-3-METHYLPHENOL
4U	UG/L	2,4-DINITROPHENOL
4U	UG/L	2-METHYL-4,6-DINITROPHENOL
4U	UG/L	PENTACHLOROPHENOL
4U	UG/L	4-NITROPHENOL

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5305 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1645
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4450 INORG SAMPLE NO.: MDA169
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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 DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
4U	UG/L	N-NITROSODIMETHYLAMINE
4U	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE
4U	UG/L	BENZIDINE
4U	UG/L	1,3-DICHLOROBENZENE
4U	UG/L	1,4-DICHLOROBENZENE
4U	UG/L	1,2-DICHLOROBENZENE
4U	UG/L	BIS(2-CHLOROETHYL) ETHER
4U	UG/L	HEXACHLOROETHANE
4U	UG/L	BIS(2-CHLOROISOPROPYL) ETHER
4U	UG/L	N-NITROSODI-N-PROPYLAMINE
4U	UG/L	NITROBENZENE
4U	UG/L	HEXACHLOROBUTADIENE
4U	UG/L	1,2,4-TRICHLOROBENZENE
4U	UG/L	NAPHTHALENE
4U	UG/L	BIS(2-CHLOROETHOXY) METHANE
4U	UG/L	ISOPHORONE
4U	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)
4U	UG/L	2-CHLORONAPHTHALENE
4U	UG/L	ACENAPHTHYLENE
4U	UG/L	ACENAPHTHENE
4U	UG/L	DIMETHYL PHTHALATE
890	UG/L	2,4-DINITROTOLUENE
4U	UG/L	2,6-DINITROTOLUENE
4U	UG/L	4-CHLOROPHENYL PHENYL ETHER
4U	UG/L	FLUORENE
4U	UG/L	DIETHYL PHTHALATE
4U	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE
4U	UG/L	HEXACHLOROBENZENE (HCB)
4U	UG/L	4-BROMOPHENYL PHENYL ETHER
4U	UG/L	PHENANTHRENE
4U	UG/L	ANTHRACENE
4U	UG/L	DI-N-BUTYLPHTHALATE
4U	UG/L	FLUORANTHENE
8J	UG/L	PYRENE
4U	UG/L	BENZYL BUTYL PHTHALATE
4U	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
4U	UG/L	BENZO(A)ANTHRACENE
4U	UG/L	CHRYSENE
4U	UG/L	3,3'-DICHLOROBENZIDINE
4U	UG/L	DI-N-OCTYLPHTHALATE
4U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
4U	UG/L	BENZO(B AND/OR K)FLUORANTHENE
4U	UG/L	BENZO-A-PYRENE
4U	UG/L	INDENO (1,2,3-CD) PYRENE
4U	UG/L	DIBENZO(A,H)ANTHRACENE
4U	UG/L	BENZO(GHI)PERYLENE
4U	UG/L	2-CHLOROPHENOL
4U	UG/L	2-NITROPHENOL
4U	UG/L	PHENOL
4U	UG/L	2,4-DIMETHYLPHENOL
4U	UG/L	2,4-DICHLOROPHENOL
4U	UG/L	2,4,6-TRICHLOROPHENOL
4U	UG/L	4-CHLORO-3-METHYLPHENOL
4U	UG/L	2,4-DINITROPHENOL
4U	UG/L	2-METHYL-4,6-DINITROPHENOL
4U	UG/L	PENTACHLOROPHENOL
4U	UG/L	4-NITROPHENOL

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5308 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1600
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4452 INORG SAMPLE NO.: MDA171
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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 DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
411	UG/L	N-NITROSODIMETHYLAMINE
411	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE
411	UG/L	BENZIDINE
411	UG/L	1,3-DICHLOROBENZENE
411	UG/L	1,4-DICHLOROBENZENE
411	UG/L	1,2-DICHLOROBENZENE
411	UG/L	BIS(2-CHLOROETHYL) ETHER
411	UG/L	HEXACHLOROETHANE
411	UG/L	BIS(2-CHLOROISOPROPYL) ETHER
411	UG/L	N-NITROSODI-N-PROPYLAMINE
411	UG/L	NITROBENZENE
411	UG/L	HEXACHLOROBUTADIENE
411	UG/L	1,2,4-TRICHLOROBENZENE
411	UG/L	NAPHTHALENE
411	UG/L	BIS(2-CHLOROETHOXY) METHANE
411	UG/L	ISOPHORONE
411	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)
411	UG/L	2-CHLORONAPHTHALENE
411	UG/L	ACENAPHTHYLENE
411	UG/L	ACENAPHTHENE
411	UG/L	DIMETHYL PHTHALATE
411	UG/L	2,4-DINITROTOLUENE
411	UG/L	2,6-DINITROTOLUENE
411	UG/L	4-CHLOROPHENYL PHENYL ETHER
411	UG/L	FLUORENE
411	UG/L	DIETHYL PHTHALATE
411	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE
411	UG/L	HEXACHLOROBENZENE (HCB)
411	UG/L	4-BROMOPHENYL PHENYL ETHER
411	UG/L	PHENANTHRENE
411	UG/L	ANTHRACENE
411	UG/L	DI-N-BUTYLPHTHALATE
411	UG/L	FLUORANTHENE
411	UG/L	PYRENE
411	UG/L	BENZYL BUTYL PHTHALATE
411	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE
411	UG/L	BENZO(A)ANTHRACENE
411	UG/L	CHRYSENE
411	UG/L	3,3'-DICHLOROBENZIDINE
411	UG/L	DI-N-OCTYLPHTHALATE
411	UG/L	BENZO(B AND/OR K)FLUORANTHENE
411	UG/L	BENZO(B AND/OR K)FLUORANTHENE
411	UG/L	BENZO-A-PYRENE
411	UG/L	INDENO (1,2,3-CD) PYRENE
411	UG/L	DIBENZO(A,H)ANTHRACENE
411	UG/L	BENZO(GHI)PERYLENE
411	UG/L	2-CHLOROPHENOL
411	UG/L	2-NITROPHENOL
411	UG/L	PHENOL
411	UG/L	2,4-DIMETHYLPHENOL
411	UG/L	2,4-DICHLOROPHENOL
411	UG/L	2,4,6-TRICHLOROPHENOL
411	UG/L	4-CHLORO-3-METHYLPHENOL
411	UG/L	2,4-DINITROPHENOL
411	UG/L	2-METHYL-4,6-DINITROPHENOL
411	UG/L	PENTACHLOROPHENOL
411	UG/L	4-NITROPHENOL

EXTRACTABLE ORGANIC ANALYSES, MISC.

WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5303 SAMPLE TYPE: NORMAL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-NP2-4W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1100
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4149 INORG SAMPLE NO.: MD3167
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
40	BENZOIC ACID
40	2-METHYLPHENOL
40	4-METHYLPHENOL
40	2,4,5-TRICHLOROPHENOL
40	ANILINE
40	BENZYL ALCOHOL
40	4-CHLOROANILINE
40	DIBENZOFURAN
40	2-METHYL NAPHTHALENE
40	2-NITROANILINE
40	3-NITROANILINE
40	4-NITROANILINE

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5305 SAMPLE TYPE: NONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1645
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4450 INORG SAMPLE NO.: 40A169
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
40	BENZOIC ACID
40	2-METHYLPHENOL
40	4-METHYLPHENOL
40	2,4,5-TRICHLOROPHENOL
40	ANILINE
40	BENZYL ALCOHOL
40	4-CHLOROANILINE
40	DIBENZOFURAN
40	2-METHYL NAPHTHALENE
40	2-NITROANILINE
40	3-NITROANILINE
40	4-NITROANILINE

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5308 SAMPLE TYPE: NORMAL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1600
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: H JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4452 INORG SAMPLE NO.: MDA171
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW,
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/L	COMPOUND NAME
40	BENZOIC ACID
40	2-METHYLPHENOL
40	4-METHYLPHENOL
40	2,4,5-TRICHLOROPHENOL
40	ANILINE
40	BENZYL ALCOHOL
40	4-CHLOROANILINE
40	DIBENZOFURAN
40	2-METHYL NAPHTHALENE
40	2-NITROANILINE
40	3-NITROANILINE
40	4-NITROANILINE

****

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 DETECTION LIMIT.

EXTRACTABLE ORGANIC ANALYSES

SOIL/SEDIMENT SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5302 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP1-3S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1416
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4447 INORG SAMPLE NO.: MDA166
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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 DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
2000	UG/KG	N-NITROSODIMETHYLAMINE
2000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE
2000	UG/KG	BENZIDINE
2000	UG/KG	1,3-DICHLOROBENZENE
2000	UG/KG	1,4-DICHLOROBENZENE
2000	UG/KG	1,2-DICHLOROBENZENE
2000	UG/KG	BIS(2-CHLOROETHYL) ETHER
2000	UG/KG	HEXACHLOROETHANE
2000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
2000	UG/KG	N-NITROSODI-N-PROPYLAMINE
2000	UG/KG	NITROBENZENE
2000	UG/KG	HEXACHLOROBUTADIENE
2000	UG/KG	1,2,4-TRICHLOROBENZENE
2000	UG/KG	NAPHTHALENE
2000	UG/KG	BIS(2-CHLOROETHOXY) METHANE
2000	UG/KG	ISOPHORONE
2000	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
2000	UG/KG	2-CHLORONAPHTHALENE
2000	UG/KG	ACENAPHTHYLENE
2000	UG/KG	ACENAPHTHENE
2000	UG/KG	DIMETHYL PHTHALATE
2000	UG/KG	2,4-DINITROTOLUENE
2000	UG/KG	2,6-DINITROTOLUENE
2000	UG/KG	4-CHLOROPHENYL PHENYL ETHER
2000	UG/KG	FLUORENE
2000	UG/KG	DIETHYL PHTHALATE
2000	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE
2000	UG/KG	HEXACHLOROBENZENE (HCB)
2000	UG/KG	4-BROMOPHENYL PHENYL ETHER
2000	UG/KG	PHENANTHRENE
2000	UG/KG	ANTHRACENE
2000	UG/KG	DI-N-BUTYLPHTHALATE
2000	UG/KG	FLUORANTHENE
2000	UG/KG	PYRENE
2000	UG/KG	BENZYL BUTYL PHTHALATE
2000	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
2000	UG/KG	BENZO(A)ANTHRACENE
2000	UG/KG	CHRYSENE
2000	UG/KG	3,3'-DICHLOROBENZIDINE
2000	UG/KG	DI-N-OCTYLPHTHALATE
2000	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
2000	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
2000	UG/KG	BENZO-A-PYRENE
2000	UG/KG	INDENO (1,2,3-CD) PYRENE
2000	UG/KG	DIBENZO(A,H)ANTHRACENE
2000	UG/KG	BENZO(GHI)PERYLENE
2000	UG/KG	2-CHLOROPHENOL
2000	UG/KG	2-NITROPHENOL
2000	UG/KG	PHENOL
2000	UG/KG	2,4-DIMETHYLPHENOL
2000	UG/KG	2,4-DICHLOROPHENOL
2000	UG/KG	2,4,6-TRICHLOROPHENOL
2000	UG/KG	4-CHLORO-3-METHYLPHENOL
2000	UG/KG	2,4-DINITROPHENOL
2000	UG/KG	2-METHYL-4,6-DINITROPHENOL
2000	UG/KG	PENTACHLOROPHENOL
2000	UG/KG	4-NITROPHENOL
20	%	MOISTURE

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5304 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1545
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4449 INORG SAMPLE NO.: M0A168
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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 DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
2000	UG/KG	N-NITROSODIMETHYLAMINE
2000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE
2000	UG/KG	BENZIDINE
2000	UG/KG	1,3-DICHLOROBENZENE
2000	UG/KG	1,4-DICHLOROBENZENE
2000	UG/KG	1,2-DICHLOROBENZENE
2000	UG/KG	BIS(2-CHLOROETHYL) ETHER
2000	UG/KG	HEXACHLOROETHANE
2000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
2000	UG/KG	N-NITROSODI-N-PROPYLAMINE
2000	UG/KG	NITROBENZENE
2000	UG/KG	HEXACHLOROBUTADIENE
2000	UG/KG	1,2,4-TRICHLOROBENZENE
2000	UG/KG	NAPHTHALENE
2000	UG/KG	BIS(2-CHLOROETHOXY) METHANE
2000	UG/KG	ISOPHORONE
2000	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
2000	UG/KG	2-CHLORONAPHTHALENE
2000	UG/KG	ACENAPHTHYLENE
2000	UG/KG	ACENAPHTHENE
2000	UG/KG	DIMETHYL PHTHALATE
2000	UG/KG	2,4-DINITROTOLUENE
2000	UG/KG	2,6-DINITROTOLUENE
2000	UG/KG	4-CHLOROPHENYL PHENYL ETHER
2000	UG/KG	FLUORENE
2000	UG/KG	DIETHYL PHTHALATE
2000	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE
2000	UG/KG	HEXACHLOROBENZENE (HCB)
2000	UG/KG	4-BROMOPHENYL PHENYL ETHER
2000	UG/KG	PHENANTHRENE
2000	UG/KG	ANTHRACENE
2000	UG/KG	DI-N-BUTYLPHTHALATE
2000	UG/KG	FLUORANTHENE
2000	UG/KG	PYRENE
2000	UG/KG	BENZYL BUTYL PHTHALATE
2000	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
2000	UG/KG	BENZO(A)ANTHRACENE
2000	UG/KG	CHRYSENE
2000	UG/KG	3,3'-DICHLOROBENZIDINE
2000	UG/KG	DI-N-OCTYLPHTHALATE
2000	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
2000	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
2000	UG/KG	BENZO-A-PYRENE
2000	UG/KG	INDENO (1,2,3-CD) PYRENE
2000	UG/KG	DIBENZO(A,H)ANTHRACENE
2000	UG/KG	BENZO(GHI)PERYLENE
2000	UG/KG	2-CHLOROPHENOL
2000	UG/KG	2-NITROPHENOL
2000	UG/KG	PHENOL
2000	UG/KG	2,4-DIMETHYLPHENOL
2000	UG/KG	2,4-DICHLOROPHENOL
2000	UG/KG	2,4,6-TRICHLOROPHENOL
2000	UG/KG	4-CHLORO-3-METHYLPHENOL
2000	UG/KG	2,4-DINITROPHENOL
2000	UG/KG	2-METHYL-4,6-DINITROPHENOL
2000	UG/KG	PENTACHLOROPHENOL
2000	UG/KG	4-NITROPHENOL
25	%	MOISTURE

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5306 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 0925
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4451 INORG SAMPLE NO.: MDA170
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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 DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
2000	UG/KG	N-NITROSODIMETHYLAMINE
2000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE
2000	UG/KG	BENZIDINE
2000	UG/KG	1,3-DICHLOROBENZENE
2000	UG/KG	1,4-DICHLOROBENZENE
2000	UG/KG	1,2-DICHLOROBENZENE
2000	UG/KG	BIS(2-CHLOROETHYL) ETHER
2000	UG/KG	HEXACHLOROETHANE
2000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
2000	UG/KG	N-NITROSODI-N-PROPYLAMINE
2000	UG/KG	NITROBENZENE
2000	UG/KG	HEXACHLOROBUTADIENE
2000	UG/KG	1,2,4-TRICHLOROBENZENE
2000	UG/KG	NAPHTHALENE
2000	UG/KG	BIS(2-CHLOROETHOXY) METHANE
2000	UG/KG	ISOPHORONE
2000	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
2000	UG/KG	2-CHLORONAPHTHALENE
2000	UG/KG	ACENAPHTHYLENE
2000	UG/KG	ACENAPHTHENE
2000	UG/KG	DIMETHYL PHTHALATE
2000	UG/KG	2,4-DINITROTOLUENE
2000	UG/KG	2,6-DINITROTOLUENE
2000	UG/KG	4-CHLOROPHENYL PHENYL ETHER
2000	UG/KG	FLUORENE
2000	UG/KG	DIETHYL PHTHALATE
2000	UG/KG	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE
2000	UG/KG	HEXACHLOROBENZENE (HCB)
2000	UG/KG	4-BROMOPHENYL PHENYL ETHER
2000	UG/KG	PHENANTHRENE
2000	UG/KG	ANTHRACENE
2000	UG/KG	DI-N-BUTYLPHTHALATE
2000	UG/KG	FLUORANTHENE
2000	UG/KG	PYRENE
2000	UG/KG	BENZYL BUTYL PHTHALATE
2000	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
2000	UG/KG	BENZO(A)ANTHRACENE
2000	UG/KG	CHRYSENE
2000	UG/KG	3,3'-DICHLOROBENZIDINE
2000	UG/KG	DI-N-OCTYLPHTHALATE
2000	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
2000	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
2000	UG/KG	BENZO-A-PYRENE
2000	UG/KG	INDENO (1,2,3-CD) PYRENE
2000	UG/KG	DIBENZO(A,H)ANTHRACENE
2000	UG/KG	BENZO(GHI)PERYLENE
2000	UG/KG	2-CHLOROPHENOL
2000	UG/KG	2-NITROPHENOL
2000	UG/KG	PHENOL
2000	UG/KG	2,4-DIMETHYLPHENOL
2000	UG/KG	2,4-DICHLOROPHENOL
2000	UG/KG	2,4,6-TRICHLOROPHENOL
2000	UG/KG	4-CHLORO-3-METHYLPHENOL
2000	UG/KG	2,4-DINITROPHENOL
2000	UG/KG	2-METHYL-4,6-DINITROPHENOL
2000	UG/KG	PENTACHLOROPHENOL
2000	UG/KG	4-NITROPHENOL
20	%	MOISTURE

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5307 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1205
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MCD
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4453 INORG SAMPLE NO.: MDA172
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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 DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND
2000	UG/KG	N-NITROSODIMETHYLAMINE
2000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE
2000	UG/KG	BENZIDINE
2000	UG/KG	1,3-DICHLOROBENZENE
2000	UG/KG	1,4-DICHLOROBENZENE
2000	UG/KG	1,2-DICHLOROBENZENE
2000	UG/KG	BIS(2-CHLOROETHYL) ETHER
2000	UG/KG	HEXACHLOROETHANE
2000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER
2000	UG/KG	N-NITROSODI-N-PROPYLAMINE
2000	UG/KG	NITROBENZENE
2000	UG/KG	HEXACHLOROBUTADIENE
2000	UG/KG	1,2,4-TRICHLOROBENZENE
2000	UG/KG	NAPHTHALENE
2000	UG/KG	BIS(2-CHLOROETHOXY) METHANE
2000	UG/KG	ISOPHORONE
2000	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)
2000	UG/KG	2-CHLORONAPHTHALENE
2000	UG/KG	ACENAPHTHYLENE
2000	UG/KG	ACENAPHTHENE
2000	UG/KG	DIMETHYL PHTHALATE
2000	UG/KG	2,4-DINITROTOLUENE
2000	UG/KG	2,6-DINITROTOLUENE
2000	UG/KG	4-CHLOROPHENYL PHENYL ETHER
2000	UG/KG	FLUORENE
2000	UG/KG	DIETHYL PHTHALATE
2000	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
2000	UG/KG	HEXACHLOROBENZENE (HCB)
2000	UG/KG	4-BROMOPHENYL PHENYL ETHER
2000	UG/KG	PHENANTHRENE
2000	UG/KG	ANTHRACENE
2000	UG/KG	DI-N-BUTYLPHTHALATE
2000	UG/KG	FLUORANTHENE
2000	UG/KG	PYRENE
2000	UG/KG	BENZYL BUTYL PHTHALATE
2000	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE
2000	UG/KG	BENZO(A)ANTHRACENE
2000	UG/KG	CHRYSENE
2000	UG/KG	3,3'-DICHLOROBENZIDINE
2000	UG/KG	DI-N-OCTYLPHTHALATE
2000	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
2000	UG/KG	BENZO(B AND/OR K)FLUORANTHENE
2000	UG/KG	BENZO-A-PYRENE
2000	UG/KG	INDENO (1,2,3-CD) PYRENE
2000	UG/KG	DIBENZO(A,H)ANTHRACENE
2000	UG/KG	BENZO(GHI)PERYLENE
2000	UG/KG	2-CHLOROPHENOL
2000	UG/KG	2-NITROPHENOL
2000	UG/KG	PHENOL
2000	UG/KG	2,4-DIMETHYLPHENOL
2000	UG/KG	2,4-DICHLOROPHENOL
2000	UG/KG	2,4,6-TRICHLOROPHENOL
2000	UG/KG	4-CHLORO-3-METHYLPHENOL
2000	UG/KG	2,4-DINITROPHENOL
2000	UG/KG	2-METHYL-4,6-DINITROPHENOL
2000	UG/KG	PENTACHLOROPHENOL
2000	UG/KG	4-NITROPHENOL
30	%	MOISTURE

EXTRACTABLE ORGANIC ANALYSES, MISC.

SOIL/SEDIMENT SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/28/85 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5302 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP1-3S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1416
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4447 INORG SAMPLE NO.: WDA166
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
2000U	BENZOIC ACID
2000U	2-METHYLPHENOL
2000U	4-METHYLPHENOL
2000U	2,4,5-TRICHLOROPHENOL
2000U	ANILINE
2000U	BENZYL ALCOHOL
2000U	4-CHLOROANILINE
2000U	DIBENZOFURAN
2000U	2-METHYL NAPHTHALENE
2000U	2-NITROANILINE
2000U	3-NITROANILINE
2000U	4-NITROANILINE

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5304 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1545
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: 01449 INORG SAMPLE NO.: MDA168
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS 1/: UG/KG	COMPOUND NAME
2000	BENZOIC ACID
2000	2-METHYLPHENOL
2000	4-METHYLPHENOL
2000	2,4,5-TRICHLOROPHENOL
2000	ANILINE
2000	BENZYL ALCOHOL
2000	4-CHLOROANILINE
2000	DIBENZOFURAN
2000	2-METHYL NAPHTHALENE
2000	2-NITROANILINE
2000	3-NITROANILINE
2000	4-NITROANILINE
10000	1 UNIDENTIFIED COMPOUND

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *AI-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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5306 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-SS
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 0925
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4451 INORG SAMPLE NO.: MDA170
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
2000	BENZOIC ACID
2000	2-METHYLPHENOL
2000	4-METHYLPHENOL
2000	2,4,5-TRICHLOROPHENOL
2000	ANILINE
2000	BENZYL ALCOHOL
2000	4-CHLOROANILINE
2000	DIBENZOFURAN
2000	2-METHYL NAPHTHALENE
2000	2-NITROANILINE
2000	3-NITROANILINE
2000	4-NITROANILINE

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/28/85 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5307 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1205
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4453 INORG SAMPLE NO.: MDA172
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MCD

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
200U	BENZOIC ACID
200U	2-METHYLPHENOL
200U	4-METHYLPHENOL
200U	2,4,5-TRICHLOROPHENOL
200U	ANILINE
200U	BENZYL ALCOHOL
200U	4-CHLOROANILINE
200U	DIBENZOFURAN
200U	2-METHYL NAPHTHALENE
200U	2-NITROANILINE
200U	3-NITROANILINE
200U	4-NITROANILINE
800J	1 UNIDENTIFIED COMPOUND

****

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 DETECTION LIMIT.

METAL ANALYSES

WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

01/24/85

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5303 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1100
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4448 INORG SAMPLE NO.: MDA167
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT
8	UG/L	SILVER
63	UG/L	ARSENIC
NA	UG/L	BORON
1900	UG/L	BARIUM
5	UG/L	BERYLLIUM
10	UG/L	CADMIUM
30	UG/L	COBALT
330	UG/L	CHROMIUM
570	UG/L	COPPER
NA	UG/L	MOLYBDENUM
120	UG/L	NICKEL
4100	UG/L	LEAD
640	UG/L	ANTIMONY
10U	UG/L	SELENIUM
20000U	UG/L	TIN
NA	UG/L	STRONTIUM
NA	UG/L	TELLURIUM
NA	UG/L	TITANIUM
100U	UG/L	THALLIUM
280	UG/L	VANADIUM
NA	UG/L	YTTRIUM
2700	UG/L	ZINC
NA	UG/L	ZIRCONIUM
32	UG/L	MERCURY
2800000	UG/L	ALUMINUM
3400	UG/L	MANGANESE
7500	MG/L	CALCIUM
1400	MG/L	MAGNESIUM
1300	MG/L	IRON
39	MG/L	SODIUM
56	MG/L	POTASSIUM

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

01/24/85

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: B5C5305 SAMPLE TYPE: MONKL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1645
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4450 INORG SAMPLE NO.: MDA169
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT
6	UG/L	SILVER
95	UG/L	ARSENIC
NA	UG/L	BORON
1300	UG/L	BARIUM
5	UG/L	BERYLLIUM
5	UG/L	CADMIUM
41	UG/L	COBALT
340	UG/L	CHROMIUM
480	UG/L	COPPER
NA	UG/L	MOLYBDENUM
150	UG/L	NICKEL
2300	UG/L	LEAD
460	UG/L	ANTIMONY
500	UG/L	SELENIUM
20000	UG/L	TIN
NA	UG/L	STRONTIUM
NA	UG/L	TELLURIUM
NA	UG/L	TITANIUM
1000	UG/L	THALLIUM
280	UG/L	VANADIUM
NA	UG/L	YTTRIUM
2600	UG/L	ZINC
NA	UG/L	ZIRCONIUM
25	UG/L	MERCURY
2500000	UG/L	ALUMINUM
2700	UG/L	MANGANESE
7300	MG/L	CALCIUM
1200	MG/L	MAGNESIUM
1400	MG/L	IRON
25	MG/L	SODIUM
7300	MG/L	POTASSIUM

****

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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

01/24/85

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5308 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1600
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4452 INORG SAMPLE NO.: MDA171
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT
4U	UG/L	SILVER
100U	UG/L	ARSENIC
NA	UG/L	BORON
350	UG/L	BARIUM
17	UG/L	BERYLLIUM
27	UG/L	CADMIUM
400	UG/L	COBALT
270	UG/L	CHROMIUM
7200	UG/L	COPPER
NA	UG/L	MOLYBDENUM
300	UG/L	NICKEL
240	UG/L	LEAD
470	UG/L	ANTIMONY
500	UG/L	SELENIUM
200U	UG/L	TIN
NA	UG/L	STRONTIUM
NA	UG/L	TELLURIUM
NA	UG/L	TITANIUM
100U	UG/L	THALLIUM
290	UG/L	VANADIUM
NA	UG/L	YTTRIUM
20000	UG/L	ZINC
NA	UG/L	ZIRCONIUM
0.2U	UG/L	MERCURY
640000	UG/L	ALUMINUM
3000	UG/L	MANGANESE
280	MG/L	CALCIUM
36	MG/L	MAGNESIUM
130	MG/L	IRON
47	MG/L	SODIUM
86	MG/L	POTASSIUM

****

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 DETECTION LIMIT.

METAL ANALYSES

SOIL/SEDIMENT SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

01/24/85

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5302 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP1-3S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1416
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4447 INORG SAMPLE NO.: MDA166
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT
2.4U	MG/KG	SILVER
6U	MG/KG	ARSENIC
NA	MG/KG	BORON
31	MG/KG	BARIUM
0.59U	MG/KG	BERYLLIUM
2.9U	MG/KG	CADMIUM
4.1U	MG/KG	COBALT
13	MG/KG	CHROMIUM
7.1U	MG/KG	COPPER
NA	MG/KG	MOLYBDENUM
8.8U	MG/KG	NICKEL
46	MG/KG	LEAD
34	MG/KG	ANTIMONY
3U	MG/KG	SELENIUM
12U	MG/KG	TIN
NA	MG/KG	STRONTIUM
NA	MG/KG	TELLURIUM
NA	MG/KG	TITANIUM
6U	MG/KG	THALLIUM
12	MG/KG	VANADIUM
NA	MG/KG	YTTRIUM
26	MG/KG	ZINC
NA	MG/KG	ZIRCONIUM
0.2	MG/KG	MERCURY
7500	MG/KG	ALUMINUM
34	MG/KG	MANGANESE
8100	MG/KG	CALCIUM
41	MG/KG	MAGNESIUM
3800	MG/KG	IRON
200	MG/KG	SODIUM
1800	MG/KG	POTASSIUM
15	%	MOISTURE

****

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

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

01/24/85

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5304 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1545
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4449 INORG SAMPLE NO.: MDA168
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT
4.6	MG/KG	SILVER
60	MG/KG	ARSENIC
NA	MG/KG	BORON
35	MG/KG	BARIUM
0.9	MG/KG	BERYLLIUM
3.1U	MG/KG	CADMIUM
4.4	MG/KG	COBALT
14	MG/KG	CHROMIUM
8.7	MG/KG	COPPER
NA	MG/KG	MOLYBDENUM
9.3U	MG/KG	NICKEL
26	MG/KG	LEAD
24	MG/KG	ANTIMONY
3U	MG/KG	SELENIUM
12U	MG/KG	TIN
NA	MG/KG	STRONTIUM
NA	MG/KG	TELLURIUM
NA	MG/KG	TITANIUM
6U	MG/KG	THALLIUM
15	MG/KG	VANADIUM
NA	MG/KG	YTTRIUM
23	MG/KG	ZINC
NA	MG/KG	ZIRCONIUM
0.3	MG/KG	MERCURY
6400	MG/KG	ALUMINUM
23	MG/KG	MANGANESE
1500	MG/KG	CALCIUM
43	MG/KG	MAGNESIUM
4000	MG/KG	IRON
22	MG/KG	SODIUM
1600	MG/KG	POTASSIUM
19	%	MOISTURE

****

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

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

01/24/85

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5306 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 0925
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4451 INORG SAMPLE NO.: MDA170
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT
2.4U	MG/KG	SILVER
4.2	MG/KG	ARSENIC
NA	MG/KG	BORON
26	MG/KG	BARIUM
0.8	MG/KG	BERYLLIUM
3.1U	MG/KG	CADMIUM
4.3U	MG/KG	COBALT
10	MG/KG	CHROMIUM
6.1	MG/KG	COPPER
NA	MG/KG	MOLYBDENUM
9.2	MG/KG	NICKEL
39	MG/KG	LEAD
13U	MG/KG	ANTIMONY
3U	MG/KG	SELENIUM
12U	MG/KG	TIN
NA	MG/KG	STRONTIUM
NA	MG/KG	TELLURIUM
NA	MG/KG	TITANIUM
6U	MG/KG	THALLIUM
13	MG/KG	VANADIUM
NA	MG/KG	YTTRIUM
62	MG/KG	ZINC
NA	MG/KG	ZIRCONIUM
0.3	MG/KG	MERCURY
8300	MG/KG	ALUMINUM
45	MG/KG	MANGANESE
4900	MG/KG	CALCIUM
640	MG/KG	MAGNESIUM
5600	MG/KG	IRON
150	MG/KG	SODIUM
3100	MG/KG	POTASSIUM
18	%	MOISTURE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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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 DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

01/24/85

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: H5C5307 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1205
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: H JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4453 INORG SAMPLE NO.: MDA172
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB SAMPLE DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT
2.9	MG/KG	SILVER
70	MG/KG	ARSENIC
NA	MG/KG	BORON
13	MG/KG	BARIUM
0.9	MG/KG	BERYLLIUM
3.5U	MG/KG	CADMIUM
4.8U	MG/KG	COBALT
6.9	MG/KG	CHROMIUM
14	MG/KG	COPPER
NA	MG/KG	MOLYBDENUM
100	MG/KG	NICKEL
13	MG/KG	LEAD
23	MG/KG	ANTIMONY
3U	MG/KG	SELENIUM
140	MG/KG	TIN
NA	MG/KG	STRONTIUM
NA	MG/KG	TELLURIUM
NA	MG/KG	TITANIUM
7U	MG/KG	THALLIUM
9	MG/KG	VANADIUM
NA	MG/KG	YTTRIUM
20	MG/KG	ZINC
NA	MG/KG	ZIRCONIUM
0.1U	MG/KG	MERCURY
4200	MG/KG	ALUMINUM
17	MG/KG	MANGANESE
410	MG/KG	CALCIUM
240	MG/KG	MAGNESIUM
3700	MG/KG	IRON
150	MG/KG	SODIUM
1200	MG/KG	POTASSIUM
28	%	MOISTURE

****

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
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THE MINIMUM DETECTION LIMIT.

CYANIDE ANALYSES

WATER SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.005	MG/L	CYANIDE	00720

01/24/85

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5303 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1100
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4448 INORG SAMPLE NO.: MDA167
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.42	MG/L	CYANIDE	00720

01/24/85

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5305 SAMPLE TYPE: HOWWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1645
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4450 INORG SAMPLE NO.: MDA169
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO STTF SCREENING.

****

FOOTNOTES
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.077	MG/L	CYANIDE	00720

01/24/85

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 85C5308 SAMPLE TYPE: MONWL

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1600
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4452 INORG SAMPLE NO.: MDA171
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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THE MINIMUM DETECTION LIMIT.

CYANIDE ANALYSES

SOIL/SEDIMENT SAMPLES

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.280	MG/KG	CYANIDE	00721

01/24/85

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5302 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP1-3S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1416
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4447 INORG SAMPLE NO.: MDA166
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.270	MG/KG	CYANIDE	00721

01/24/85

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5304 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP2-4S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/15/84 1545
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4449 INORG SAMPLE NO.: MDA168
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.270	MG/KG	CYANIDE	00721

01/24/85

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5306 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP3-5S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 0925
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4451 INORG SAMPLE NO.: MDA170
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.30	MG/KG	CYANIDE	00721

01/24/85

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 85C5307 SAMPLE TYPE: SEDIM

PROJECT NO.: 85-006 PROGRAM ELEMENT: NSF
SOURCE: SWIFT AGRICULTURAL
CITY: SAVANNAH STATE: GA

STATION I.D.: SA-WP4-6S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 10/16/84 1205
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: B JACKSON RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2895 ORG SAMPLE NO: D4453 INORG SAMPLE NO.: MDA172
CONTRACT LABORATORY(ORGANIC): IT
CONTRACT LABORATORY(INORGANIC): VERSAR

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: PLB DATA VERIFIED BY: MAW

REMARKS
THIS DATA HAS NOT BEEN SUBJECTED TO A QC REVIEW.
DATA SHOULD BE LIMITED TO SITE SCREENING.

****

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
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