

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

*****MEMORANDUM*****

DATE: 10/06/92

SUBJECT: Results of Metals Analysis;
92-0781 HERCULES, INC
HATTIESBUR MS
CASE NO: 18613

FROM: Robert W. Knight *Ray Bennett /for*
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOE SLYKERMAN

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

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

If you have any questions please contact me.

ATTACHMENT

INORGANIC DATA QUALIFIERS REPORT

Number: 18613
 Project Number: 92-0781
 Site: Hercules, Hattiesburgh, MS

Element	Flag	Samples Affected	Reason
<u>A. Water</u>			
Sb, Cd, Cr, Co, Pb, Mn, Ni, Se, Ag	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ca, Cu, Fe, Mg, Zn	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Cr	JN	All positives with Fe concentrations in solution > 77,000 ug/L	Suspected positive interference as noted in the blind ICS
Tl	J	All	Matrix spike recovery = 58.2%
Pb	J	All	Matrix duplicate RPD = 123.5%
<u>B. Soil</u>			
Sb, Cd, Cr, Co, Pb, Mn, Ni, Se, Ag	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ca, Cu, Fe, Mg, Na	U	All positives > IDL, but	Positives in blanks
Cr	JN	All positives with Fe concentrations in solution > 77,000 ug/L	Suspected positive interference as noted in the blind ICS
Sb	J	All	Matrix spike recovery = 47.1%
Pb	J	All	Matrix spike recovery = 74%
K	J	MDDN58	% RSD > 20% for ICP multiple exposures

10/05/92

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*** PROJECT NO. 92-0781 ***
*** SOURCE: HERCULES, INC ***
*** STATION ID: PB-01 ***
*** CASE NUMBER: 18613 ***

*** SAMPLE NO. 71237 *** SAMPLE TYPE: SURFACEWA ***
*** PROG ELEM: NSF *** COLLECTED BY: R JORDAN ***
*** CITY: HATTIESBUR *** ST: MS ***
*** COLLECTION START: 08/18/92 0720 *** STOP: 00/00/00 ***
*** MD NUMBER: DN51 ***

*** SAS NUMBER: ***

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ANALYTICAL RESULTS

UG/L	
1U	MANGANESE
0.20U	MERCURY
8U	NICKEL
410U	POTASSIUM
1U	SELENIUM
1U	SILVER
31U	SODIUM
3UJ	THALLIUM
NA	TIN
2U	VANADIUM
5U	ZINC

ANALYTICAL RESULTS

REMARKS

FOOTNOTES

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

10/05/92

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***
** PROJECT NO. 92-0781
** SOURCE: HERCULES, INC
** STATION ID: HI-SW-01
** CASE NUMBER: 18613
***
** SAMPLE NO. 71238 SAMPLE TYPE: SURFACEWA
***
** PROG ELEM: NSF
** CITY: HATTIESBUR
** COLLECTION START: 08/18/92 0910 STOP: 00/00/00
** MD NUMBER: DN52
***
** SAS NUMBER:
***

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SAS NUMBER:

ANALYTICAL RESULTS

7/31

ANALYTICAL RESULTS

Element	Concentration (ppm)
ALUMINUM	900
ANTIMONY	200
ARSENIC	30
BARIUM	88
BERYLLIUM	10
CADMIUM	20
CALCIUM	19000
CHROMIUM	30
COBALT	20
COPPER	80
IRON	460
LEAD	200
MAGNESIUM	3200

	MANGANESE	MERCURY	NICKEL	POTASSIUM	SELENIUM	SILVER	SODIUM	THALLIUM	TIN	VANADIUM	ZINC
µg/L	50	0.20U	8U	3000	1U	2U	14000	30J	NA	2	7U

REMARKS

REMARKS

FOOTNOTES

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*A-AVERAGE VALUE
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

10/05/92

METALS DATA REPORT

*** PROJECT NO. 92-0781 *** SAMPLE NO. 71239 *** SAMPLE TYPE: SURFACEWA *** PROG ELEM: NSF *** COLLECTED BY: R JORDAN ***
 *** SOURCE: HERCULES, INC *** *** CITY: HATTIESBUR *** ST: MS ***
 *** STATION ID: HI-SW-02 *** *** COLLECTION START: 08/18/92 0940 *** STOP: 00/00/00 ***
 *** CASE NUMBER: 18613 *** *** MD NUMBER: DN53 ***

SAS NUMBER:

ANALYTICAL RESULTS

UG/L
 60U ALUMINUM
 11U ANTIMONY
 3U ARSENIC
 130 BARIUM
 1U BERYLLIUM
 2U CADMIUM
 36000 CALCIUM
 26 CHROMIUM
 20U COBALT
 20U COPPER
 3700 IRON
 1UJ LEAD
 7200 MAGNESIUM

UG/L

920 MANGANESE
 0.20U MERCURY
 30U NICKEL
 5300 POTASSIUM
 1U SELENIUM
 1U SILVER
 27000 SODIUM
 3UJ THALLIUM
 NA TIN
 2U VANADIUM
 20U ZINC

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES

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

10/05/92

METALS DATA REPORT

*** PROJECT NO. 92-0781 SAMPLE NO. 71240 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES, INC
 *** STATION ID: HI-50-04
 *** CASE NUMBER: 18613
 *** SAS NUMBER:
 *** PROG ELEM: NSF COLLECTED BY: R JORDAN
 *** CITY: HATTIESBUR ST: MS
 *** COLLECTION START: 08/18/92 1030 STOP: 00/00/00
 *** MD NUMBER: DN54

ANALYTICAL RESULTS

MG/KG
 9400 ALUMINUM
 6.1UJ ANTIMONY
 6U ARSENIC
 45 BARIUM
 0.56U BERYLLIUM
 3U CADMIUM
 2000 CALCIUM
 33 CHROMIUM
 10U COBALT
 97 COPPER
 9100 IRON
 79J LEAD
 530 MAGNESIUM

MG/KG

47 MANGANESE
 0.45 MERCURY
 82 NICKEL
 470 POTASSIUM
 3U SODIUM
 0.56U SELENIUM
 9900 SILVER
 1.7U THALLIUM
 NA TIN
 17 VANADIUM
 800 ZINC
 64 PERCENT MOISTURE

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES

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

10/05/92

METALS DATA REPORT

*** PROJECT NO. 92-0781 SAMPLE NO. 71241 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES, INC
 *** STATION ID: HI-SD-03
 *** CASE NUMBER: 18613
 *** SAS NUMBER:
 *** PROG ELEM: NSF COLLECTED BY: R JORDAN
 *** CITY: HATTIESBUR ST: MS
 *** COLLECTION START: 08/18/92 1145 STOP: 00/00/00
 *** MD NUMBER: DN55

*** ANALYTICAL RESULTS
 *** MG/KG
 6100 ALUMINUM
 80J ANTIMONY
 27 ARSENIC
 44 BARIUM
 0.28U BERYLLIUM
 1U CADMIUM
 4100 CALCIUM
 48 CHROMIUM
 21 COBALT
 210 COPPER
 2100 IRON
 100J LEAD
 280 MAGNESIUM

*** ANALYTICAL RESULTS
 *** MG/KG
 28 MANGANESE
 2.9 MERCURY
 400 NICKEL
 280 POTASSIUM
 2U SELENIUM
 2U SILVER
 380 SODIUM
 0.85U THALLIUM
 NA TIN
 8.3 VANADIUM
 1100 ZINC
 29 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

10/05/92

METALS DATA REPORT

*** PROJECT NO. 92-0781 ***
 *** SOURCE: HERCULES, INC ***
 *** STATION ID: HJ-SS-04 ***
 *** CASE NUMBER: 18613 ***
 *** SAMPLE NO. 71242 ***
 *** SAMPLE TYPE: SOIL ***
 *** SAS NUMBER: ***
 *** PROG ELEM: NSF ***
 *** CITY: HATTIESBUR ***
 *** COLLECTION START: 08/18/92 ***
 *** MD NUMBER: DN56 ***
 *** COLLECTED BY: R. JORDAN ***
 *** ST: MS ***
 *** STOP: 00/00/00 ***

ANALYTICAL RESULTS

MG/KG
 3700 ALUMINUM
 2.2U ANTIMONY
 2U ARSENIC
 19 BARIUM
 0.20U BERYLLIUM
 0.41U CADMIUM
 440 CALCIUM
 5.4 CHROMIUM
 2U COBALT
 6U COPPER
 3900 IRON
 8J LEAD
 170 MAGNESIUM

MG/KG

42 MANGANESE
 0.10U MERCURY
 3U NICKEL
 190 POTASSIUM
 1U SELENIUM
 1U SILVER
 50U SODIUM
 0.61U THALLIUM
 NA TIN
 9 VANADIUM
 9.7 ZINC
 01 PERCENT MOISTURE

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES

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*NA-NOT ANALYZED
 *J-ESTIMATED VALUE
 *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN

*NAI-INTERFERENCES
 *R-QUALITY CONTROL
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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

10/05/92

METALS DATA REPORT

*** PROJECT NO. 92-0781 SAMPLE NO. 71243 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES, INC
 *** STATION ID: HI-SS-05
 *** CASE NUMBER: 18613
 *** SAS NUMBER:
 *** PROG ELEM: NSF COLLECTED BY: R JORDAN
 *** CITY: HATTIESBUR ST: MS
 *** COLLECTION START: 08/18/92 1125 STOP: 00/00/00
 *** MD NUMBER: DN57

ANALYTICAL RESULTS

MG/KG
 5400 ALUMINUM
 2.6UJ ANTIMONY
 1U ARSENIC
 24 BARIUM
 0.24U BERYLLIUM
 0.47U CADMIUM
 190 CALCIUM
 5.6 CHROMIUM
 3U COBALT
 5U COPPER
 4000 IRON
 8.5J LEAD
 270 MAGNESIUM

MG/KG

200 MANGANESE
 0.12U MERCURY
 4U NICKEL
 200 POTASSIUM
 1U SELENIUM
 0.24U SILVER
 310 SODIUM
 0.71U THALLIUM
 NA TIN
 10 VANADIUM
 14 ZINC
 15 PERCENT MOISTURE

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES

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 *NAI-INTERFERENCES
 *J-ESTIMATED VALUE
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 *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *R-REANALYSIS IS NECESSARY FOR VERIFICATION.

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

10/05/92

METALS DATA REPORT

*** PROJECT NO. 92-0781 ***
 *** SOURCE: HERCULES, INC ***
 *** STATION ID: H1-SB-05 ***
 *** CASE NUMBER: 18613 ***
 *** SAS NUMBER: 71244 ***
 *** SAMPLE TYPE: SOIL ***
 *** PROG ELEM: NSF ***
 *** CITY: HATTIESBUR ***
 *** COLLECTION START: 08/18/92 ***
 *** MD NUMBER: DN58 ***
 *** COLLECTED BY: R JORDAN ***
 *** ST: MS ***
 *** STOP: 00/00/00 ***

ANALYTICAL RESULTS

MG/KG
 2200 ALUMINUM
 2.7UJ ANTIMONY
 0.73U ARSENIC
 9.2 BARIUM
 0.24U BERYLLIUM
 0.49U CADMIUM
 50U CALCIUM
 3U CHROMIUM
 2U COBALT
 4U COPPER
 1400 IRON
 1.8J LEAD
 150 MAGNESIUM

MG/KG

72 MANGANESE
 0.12U MERCURY
 2U NICKEL
 140J POTASSIUM
 1U SELENIUM
 0.24U SILVER
 400 SODIUM
 0.73U THALLIUM
 NA TIN
 3.4 VANADIUM
 4.7 ZINC
 18 PERCENT MOISTURE

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES

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

*****MEMORANDUM*****

DATE: 10/06/92

SUBJECT: Results of Specified Analysis;
92-0781 HERCULES, INC
HATTIESBUR MS
CASE NO: 18613

FROM: Robert W. Knight *Roy Bennett / for*
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOE SLYKERMEN

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

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

If you have any questions please contact me.

ATTACHMENT

INORGANIC DATA QUALIFIERS REPORT

Number: 18613
 Project Number: 92-0781
 Site: Hercules, Hattiesburgh, MS

Element	Flag	Samples Affected	Reason
<u>A. Water</u>			
Sb, Cd, Cr, Co, Pb, Mn, Ni, Se, Ag	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ca, Cu, Fe, Mg, Zn	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Cr	JN	All positives with Fe concentrations in solution > 77,000 ug/L	Suspected positive interference as noted in the blind ICS
Tl	J	All	Matrix spike recovery = 58.2%
Pb	J	All	Matrix duplicate RPD = 123.5%
<u>B. Soil</u>			
Sb, Cd, Cr, Co, Pb, Mn, Ni, Se, Ag	U	All positives > IDL, but < CRDL	Baseline instability
Al, Ca, Cu, Fe, Mg, Na	U	All positives > IDL, but	Positives in blanks
Cr	JN	All positives with Fe concentrations in solution > 77,000 ug/L	Suspected positive interference as noted in the blind ICS
Sb	J	All	Matrix spike recovery = 47.1%
Pb	J	All	Matrix spike recovery = 74%
K	J	MDDN58	% RSD > 20% for ICP multiple exposures

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

10/05/92

SPECIFIED ANALYSIS DATA REPORT

*** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **
** PROJECT NO. 92-0781 SAMPLE NO. 71237 ** ** ** **
** SOURCE: HERCULES, INC ** ** **
** STATION ID: PB-01 ** ** **
** CASE NO.: 18613 SAS NO.: ** ** **
*** ** ** ** ** ** ** ** ** **

PROG ELEM: NSF COLLECTED BY: R JORDAN
CITY: HATTIESBURG ST: MS
COLLECTION START: 08/18/92 STOP: 00/00/00
D. NO.: MD NO: DN51

RESULTS UNITS PARAMETER
10U UG/L CYANIDE

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

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

10/05/92

SPECIFIED ANALYSIS DATA REPORT

*** PROJECT NO. 92-0781 SAMPLE NO. 71238 SAMPLE TYPE: SURFACEWA ***
 *** SOURCE: HERCULES, INC ***
 *** STATION ID: HI-SW-01 ***
 *** CASE NO.: 18613 ***
 *** SAS NO.: ***
 *** D. NO.: DN52 ***
 *** COLLECTION START: 08/18/92 0910 STOP: 00/00/00 ***
 *** MD NO: DN52 ***
 *** CITY: HATTIESBUR ST: MS ***
 *** COLLECTED BY: R. JORDAN ***
 *** PROG ELEM: NSF ***

RESULTS UNITS PARAMETER
10U UG/L CYANIDE

FOOTNOTES

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

10/05/92

SPECIFIED ANALYSIS DATA REPORT

** PROJECT NO. 92-0781 SAMPLE NO. 71239 SAMPLE TYPE: SURFACEWA
** SOURCE: HERCULES, INC
** STATION ID: HI-SW-02
** CASE NO.: 18613
**

SAS NO.:

PROG ELEM: NSF
CITY: HATTIESBUR
COLLECTION START: 08/18/92
D. NO.: DN53

COLLECTED BY: R JORDAN
ST: MS
0940
STOP: 00/00/00
MD NO: DN53

RESULTS UNITS PARAMETER
10U UG/L CYANIDE

FOOTNOTES

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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*J-ESTIMATED VALUE
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN

10/05/92

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*****
PROJECT NO. 92-0781
SOURCE: HERCULES, INC
STATION ID: HT-SD-04
CASE NO.: 18613

SAMPLE NO. 71240 SAMPLE TYPE: SOIL

SAS NO.:

*****
PROG ELEM: NSF
CITY: HATTIESBUR
COLLECTION START: 08/18/92 1030
D. NO.: DN54

*****
COLLECTED BY: R. JORDAN
ST: MS
MD NO: DN54
STOP: 00/00/00
*****

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RESULTS	UNITS	PARAMETER
1.40U	MG/KG	CYANIDE

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

10/05/92

SPECIFIED ANALYSIS DATA REPORT

*** PROJECT NO. 92-0781 SAMPLE NO. 71241 SAMPLE TYPE: SOIL ***
*** SOURCE: HERCULES, INC ***
*** STATION ID: HI-SD-03 ***
*** CASE NO.: 18613 ***
*** SAS NO.: ***
*** D. NO.: DN55 ***
*** COLLECTION START: 08/18/92 ***
*** CITY: HATTIESBUR ***
*** STATE: MS ***
*** BY: R. JORDAN ***
*** STOP: 00/00/00 ***
*** MD NO: DN55 ***

RESULTS UNITS PARAMETER
0.71U MG/KG CYANIDE

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

10/05/92

SPECIFIED ANALYSIS DATA REPORT

*** PROJECT NO. 92-0781 *** SAMPLE NO. 71242 *** SAMPLE TYPE: SOIL ***
*** SOURCE: HERCULES, INC ***
*** STATION ID: HT-SS-04 ***
*** CASE NO.: 18613 *** SAS NO.: ***

*** PROG ELEM: NSF *** COLLECTED BY: R JORDAN ***
*** CITY: HATTIESBUR *** ST: MS ***
*** COLLECTION START: 08/18/92 1010 *** STOP: 00/00/00 ***
*** D. NO.: DN56 *** MD NO: DN56 ***

RESULTS UNITS PARAMETER
0.51U MG/KG CYANIDE

FOOTNOTES

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

10/05/92

SPECIFIED ANALYSIS DATA REPORT

*** PROJECT NO. 92-0781 SAMPLE NO. 71243 SAMPLE TYPE: SOIL ***
*** SOURCE: HERCULES, INC ***
*** STATION ID: H1-S5-05 ***
*** CASE NO.: 18613 SAS NO.: ***

*** PROG ELEM: NSF COLLECTED BY: R JORDAN ***
*** CITY: HATTIESBUR ST: MS ***
*** COLLECTION START: 08/18/92 1125 STOP: 00/00/00 ***
*** D. NO.: DN57 MD NO: DN57 ***

RESULTS UNITS PARAMETER
0.59U MG/KG CYANIDE

FOOTNOTES

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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

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

10/05/92

SPECIFIED ANALYSIS DATA REPORT

*** PROJECT NO. 92-0781 SAMPLE NO. 71244 SAMPLE TYPE: SOIL ***
*** SOURCE: HERCULES, INC ***
*** STATION ID: H1-SB-05 ***
*** CASE NO.: 18613 ***
*** SAS NO.: ***
*** D. NO.: DN58 ***
*** COLLECTION START: 08/18/92 1145 STOP: 00/00/00 ***
*** CITY: HATTIESBURG ***
*** STATE: MS ***
*** COLLECTED BY: R. JORDAN ***
*** PROG ELEM: NSF ***
*** D. NO.: DN58 ***

RESULTS UNITS PARAMETER
0.61U MG/KG CYANIDE

FOOTNOTES

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

APPENDIX D

Analytical Data

SOIL ORGANICS

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69711 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SS-01

*** CASE NO.: 18341

*** UG/KG

ANALYTICAL RESULTS

SAS NO.:

UG/KG

D. NO.: DH61

ANALYTICAL RESULTS

*** PROG ELEM: NSF COLLECTED BY: C HELM
*** CITY: HATIESBURG
*** COLLECTION START: 06/24/92 0855 STOP: 00/00/00
*** ST: MS

11U	CHLOROMETHANE	11U	1,2-DICHLOROPROPANE
11U	BROMOMETHANE	11U	CIS-1,3-DICHLOROPROPENE
11U	VINYL CHLORIDE	11U	TRICHLOROETHENE (TRICHLOROETHYLENE)
11U	CHLOROETHANE	11U	DIBROMOCHLOROMETHANE
50U	METHYLENE CHLORIDE	11U	1,1,2-TRICHLOROETHANE
50U	ACETONE	11U	BENZENE
11U	CARBON DISULFIDE	11U	TRANS-1,3-DICHLOROPROPENE
11U	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	11U	BROMOFORM
11U	1,1-DICHLOROETHANE	11U	METHYL ISOBUTYL KETONE
11U	1,2-DICHLOROETHENE (TOTAL)	11U	METHYL BUTYL KETONE
11U	CHLOROFORM	11U	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U	1,2-DICHLOROETHANE	11U	1,1,2,2-TETRACHLOROETHANE
11U	METHYL ETHYL KETONE	11U	TOLUENE
11U	1,1,1-TRICHLOROETHANE	11U	CHLOROBENZENE
11U	CARBON TETRACHLORIDE	11U	ETHYL BENZENE
11U	BROMODICHLOROMETHANE	11U	STYRENE
		11U	TOTAL XYLENES
		9	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*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 QUANTIFICATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69711 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SS-01
*** CASE NO.: 18341
*** SAS NO.:
*** ANALYTICAL RESULTS

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/24/92 0855 STOP: 00/00/00

D. NO.: DH61

ANALYTICAL RESULTS

360U PHENOL
360U BIS(2-CHLOROETHYL) ETHER
360U 2-CHLOROPHENOL
360U 1,3-DICHLOROBENZENE
360U 1,4-DICHLOROBENZENE
360U 1,2-DICHLOROBENZENE
360U 2-METHYLPHENOL
360U 2,2'-CHLORISOPROPYLETHET
(3-AND/OR 4-)METHYLPHENOL
360U N-NITROSODI-N-PROPYLAMINE
360U HEXACHLOROETHANE
360U NITROBENZENE
360U ISOPHORONE
360U 2-NITROPHENOL
360U 2,4-DIMETHYLPHENOL
360U BIS(2-CHLOROETHOXY) METHANE
360U 2,4-DICHLOROPHENOL
360U 1,2,4-TRICHLOROBENZENE
360U NAPHTHALENE
360U 4-CHLOROANILINE
360U HEXACHLOROBUTADIENE
360U 4-CHLORO-3-METHYLPHENOL
360U 2-METHYLNAPHTHALENE
360U HEXACHLOROCYCLOPENTADIENE (HCCP)
360U 2,4,6-TRICHLOROPHENOL
870U 2,4,5-TRICHLOROPHENOL
360U 2-CHLORONAPHTHALENE
870U 2-NITROANILINE
360U DIMETHYL PHTHALATE
360U ACENAPHTHYLENE
360U 2,6-DINITROTOLUENE

870UR 3-NITROANILINE
360U ACENAPHTHENE
870U 2,4-DINITROPHENOL
360U 4-NITROPHENOL
360U DIBENZOFURAN
360U 2,4-DINITROTOLUENE
360U DIETHYL PHTHALATE
360U 4-CHLOROPHENYL PHENYL ETHER
360U FLUORENE
870U 4-NITROANILINE
870U 2-METHYL-4,6-DINITROPHENOL
360U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
360U 4-BROMOPHENYL PHENYL ETHER
360U HEXACHLOROBENZENE (HCB)
870U PENTACHLOROPHENOL
55J PHENANTHRENE
360U ANTHRACENE
360U CARBAZOLE
360U DI-N-BUTYLPHTHALATE
110J FLUORANTHENE
360U PYRENE
360U BENZYL BUTYL PHTHALATE
360U 3,3'-DICHLOROBENZIDINE
360U BENZO(A)ANTHRACENE
360U CHRYSENE
360U BIS(2-ETHYLHEXYL) PHTHALATE
360U DI-N-OCTYLPHTHALATE
360U BENZO(B AND/OR K)FLUORANTHENE
360U BENZO-A-PYRENE
360U INDENO (1,2,3-CD) PYRENE
360U DIBENZO(A,H)ANTHRACENE
360U BENZO(GH)PERYLENE
360U PERCENT MOISTURE 9

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

MISCELLANEOUS EXTRACTABLE COMPOUNDS -- DATA REPORT

*** PROJECT NO. 92-0629 ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: SS-01 ***
 *** CASE NO.: 18341 ***
 *** SAS NO.: ***
 *** SAMPLE NO. 69711 ***
 *** SAMPLE TYPE: SOIL ***
 *** PROG ELEM: NSF ***
 *** CITY: HATIESBURG ***
 *** COLLECTION START: 06/24/92 ***
 *** D. NO.: DH61 ***
 *** STOP: 00/00/00 ***
 *** MD NO: DC61 ***

ANALYTICAL RESULTS UG/KG

2000J 4 UNIDENTIFIED COMPOUNDS
 200JN DIMETHYLPHENANTHRENE
 700JN TETRAMETHYLPHENANTHRENE
 1000JN OCTAHYDRODIMETHYL(METHYLETHYL)PHENANTHRENE
 CARBOXYLIC ACID

FOOTNOTES

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

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 92-0629 SAMPLE NO. 69711 SAMPLE TYPE: SOIL
SOURCE: HERCULES INC
STATION ID: SS-01
CASE NUMBER: 18341
SAS NUMBER:
PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/24/92 0855 STOP: 00/00/00
D. NUMBER: DH61

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG

UG/KG

9.2U ALPHA-BHC
9.2U BETA-BHC
9.2U DELTA-BHC
1.6J GAMMA-BHC (LINDANE)
9.2U HEPTACHLOR
3.6J ALDRIN
9.2U HEPTACHLOR EPOXIDE
9.2U ENDOSULFAN I (ALPHA)
9.2U DIELDRIN
130C 4.4'-DDE (P,P'-DDE)
18U ENDRIN
18U ENDOSULFAN II (BETA)
68 4.4'-DDD (P,P'-DDD)
18U ENDOSULFAN SULFATE
31 4.4'-DDT (P,P'-DDT)

92U METHOXYCHLOR
18U ENDRIN KETONE
18U ENDRIN ALDEHYDE
26N CHLORDANE (TECH. MIXTURE) /1
26 GAMMA-CHLORDANE /2
920U ALPHA-CHLORDANE /2
180U TOXAPHENE
360U PCB-1016 (AROCOR 1016)
180U PCB-1221 (AROCOR 1221)
180U PCB-1232 (AROCOR 1232)
180U PCB-1242 (AROCOR 1242)
180U PCB-1248 (AROCOR 1248)
180U PCB-1254 (AROCOR 1254)
180U PCB-1260 (AROCOR 1260)
9 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69712 SAMPLE TYPE: SOIL
 ** SOURCE: HERCULES INC
 ** STATION ID: SB-01

*** CASE NO.: 18341
 ** SAS NO.:
 ** D. NO.: DH62

*** UG/KG
 ** ANALYTICAL RESULTS
 ** UG/KG
 ** ANALYTICAL RESULTS

12U	CHLOROMETHANE	12U	1,2-DICHLOROPROPANE
12U	BROMOMETHANE	12U	CIS-1,3-DICHLOROPROPENE
12U	VINYL CHLORIDE	12U	TRICHLOROETHENE (TRICHLOROETHYLENE)
12U	CHLOROETHANE	12U	DIBROMOCHLOROMETHANE
80U	METHYLENE CHLORIDE	12U	1,1,2-TRICHLOROETHANE
50U	ACETONE	12U	BENZENE
12U	CARBON DISULFIDE	12U	TRANS-1,3-DICHLOROPROPENE
12U	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	12U	BROMOFORM
12U	1,1-DICHLOROETHANE	12U	METHYL ISOBUTYL KETONE
12U	1,2-DICHLOROETHENE (TOTAL)	12U	METHYL BUTYL KETONE
12U	CHLOROFORM	12U	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U	1,2-DICHLOROETHANE	12U	1,1,2,2-TETRACHLOROETHANE
12U	METHYL ETHYL KETONE	12U	TOLUENE
12U	1,1,1-TRICHLOROETHANE	12U	CHLOROBENZENE
12U	CARBON TETRACHLORIDE	12U	ETHYL BENZENE
12U	BROMODICHLOROMETHANE	12U	STYRENE
		12U	TOTAL XYLENES
		17	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69712 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: SB-01
 *** CASE NO.: 18341
 *** UG/KG

PROG ELEM: NSF COLLECTED BY: C HELM
 CITY: HATIESBURG
 COLLECTION START: 06/24/92 0925 STOP: 00/00/00
 ST: MS

SAS NO.: D. NO.: DH62

ANALYTICAL RESULTS

ANALYTICAL RESULTS

390U PHENOL
 390U BIS(2-CHLOROETHYL) ETHER
 390U 2-CHLOROPHENOL
 390U 1,3-DICHLOROBENZENE
 390U 1,4-DICHLOROBENZENE
 390U 1,2-DICHLOROBENZENE
 390U 2-METHYLPHENOL
 390U 2,2'-CHLOROISOPROPYLETH
 390U (3-AND/OR 4-METHYLPHENOL
 390U N-NITROSODI-N-PROPYLAMINE
 390U HEXACHLOROETHANE
 390U NITROBENZENE
 390U ISOPHORONE
 390U 2-NITROPHENOL
 390U 2,4-DIMETHYLPHENOL
 390U BIS(2-CHLOROETHOXY) METHANE
 390U 2,4-DICHLOROPHENOL
 390U 1,2,4-TRICHLOROBENZENE
 390U NAPHTHALENE
 390U 4-CHLOROANILINE
 390U HEXACHLOROBUTADIENE
 390U 4-CHLORO-3-METHYLPHENOL
 390U 2-METHYLNAPHTHALENE
 390U HEXACHLOROCYCLOPENTADIENE (HCCP)
 390U 2,4,6-TRICHLOROPHENOL
 390U 2,4,5-TRICHLOROPHENOL
 390U 2-CHLORONAPHTHALENE
 390U 2-NITROANILINE
 390U DIMETHYL PHTHALATE
 390U ACENAPHTHYLENE
 390U 2,6-DINITROTOLUENE

950U 3-NITROANILINE
 390U ACENAPHTHENE
 950U 2,4-DINITROPHENOL
 950U 4-NITROPHENOL
 390U DIBENZOFURAN
 390U 2,4-DINITROTOLUENE
 390U DIETHYL PHTHALATE
 390U 4-CHLOROPHENYL PHENYL ETHER
 390U FLUORENE
 950U 4-NITROANILINE
 950U 2-METHYL-4,6-DINITROPHENOL
 390U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
 390U 4-BROMOPHENYL PHENYL ETHER
 390U HEXACHLOROBENZENE (HCB)
 950U PENTACHLOROPHENOL
 390U PHENANTHRENE
 390U ANTHRACENE
 390U CARBAZOLE
 390U DI-N-BUTYLPHTHALATE
 390U FLUORANTHENE
 390U PYRENE
 390U BENZYL BUTYL PHTHALATE
 390U 3,3'-DICHLOROBENZIDINE
 390U BENZO(A)ANTHRACENE
 390U CHRYSENE
 390U BIS(2-ETHYLHEXYL) PHTHALATE
 390U DI-N-OCTYLPHTHALATE
 390U BENZO(B AND/OR K)FLUORANTHENE
 390U BENZO-A-PYRENE
 390U INDENO (1,2,3-CD) PYRENE
 390U DIBENZO(A,H)ANTHRACENE
 390U BENZO(GH)PERYLENE
 17 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 92-0629 SAMPLE NO. 69712 SAMPLE TYPE: SOIL
SOURCE: HERCULES INC
STATION ID: SB-01
CASE NUMBER: 18341

SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/24/92 0925 STOP: 00/00/00
D. NUMBER: DH62

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG

2.0U ALPHA-BHC
2.0U BETA-BHC
2.0U DELTA-BHC
2.0U GAMMA-BHC (LINDANE)
2.0U HEPTACHLOR
2.0U ALDRIN
2.0U HEPTACHLOR EPOXIDE
2.0U ENDOSULFAN I (ALPHA)
3.9U DIELDRIN
3.9U 4,4'-DDE (P,P'-DDE)
3.9U ENDOSULFAN II (BETA)
3.9U 4,4'-DDD (P,P'-DDD)
3.9U ENDOSULFAN SULFATE
3.9U 4,4'-DDT (P,P'-DDT)

20U METHOXYCHLOR
3.9U ENDRIN KETONE
3.9U ENDRIN ALDEHYDE
2.0U CHLORDANE (TECH. MIXTURE) /1
2.0U GAMMA-CHLORDANE /2
2.0U ALPHA-CHLORDANE /2
200U TOXAPHENE
39U PCB-1016 (AROCOR 1016)
79U PCB-1221 (AROCOR 1221)
39U PCB-1232 (AROCOR 1232)
39U PCB-1242 (AROCOR 1242)
39U PCB-1248 (AROCOR 1248)
39U PCB-1254 (AROCOR 1254)
39U PCB-1260 (AROCOR 1260)
17 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69719 SAMPLE TYPE: SOIL ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: S5-02 ***
 *** CASE NO.: 18341 ***
 *** UG/KG ***

PROG ELEM: NSF COLLECTED BY: C HELM
 CITY: HATTESBURG ST: MS
 COLLECTION START: 06/24/92 1915 STOP: 00/00/00

SAS NO.: D. NO.: DH69

ANALYTICAL RESULTS

ANALYTICAL RESULTS

12U CHLOROMETHANE	12U 1-2-DICHLOROPROPANE
12U BROMOMETHANE	12U CIS-1,3-DICHLOROPROPENE
12U VINYL CHLORIDE	12U TRICHLOROETHENE (TRICHLOROETHYLENE)
12U CHLOROETHANE	12U DIBROMOCHLOROMETHANE
60U METHYLENE CHLORIDE	12U 1,1,2-TRICHLOROETHANE
3000J ACETONE	4J BENZENE
12U CARBON DISULFIDE	12U TRANS-1,3-DICHLOROPROPENE
12U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	12U BROMOFORM
12U 1,1-DICHLOROETHANE	830J METHYL ISOBUTYL KETONE
12U 1,2-DICHLOROETHENE (TOTAL)	12U METHYL BUTYL KETONE
12U CHLOROFORM	12U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U 1,2-DICHLOROETHANE	12U 1,1,2,2-TETRACHLOROETHANE
80 METHYL ETHYL KETONE	2500 TOLUENE
12U 1,1,1-TRICHLOROETHANE	12U CHLOROBENZENE
12U CARBON TETRACHLORIDE	4J ETHYL BENZENE
12U BROMODICHLOROMETHANE	12U STYRENE
	21 TOTAL XYLENES
	17 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

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*** PROJECT NO. 92-0629 ***
*** SOURCE: HERCULES INC ***
*** STATION ID: 55-02 ***
*** CASE NO.: 18341 ***

SAMPLE NO. 69719 SAMPLE TYPE: SOIL

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/24/92 1915 STOP: 00/00/00
D. NO.: DH69 MD NO: DC69

SAS NO.:

```

SAS NO.:

ANALYTICAL RESULTS UG/KG

TETRAHYDROFURAN
METHYLPENTANOL
CARENE
DIMETHYLMEYLENEBICYCLOHEPTANE
TRIMETHYLBICYCLOHEPTANE
2 UNIDENTIFIED COMPOUNDS

30JN
30JN
30JN
30JN
30JN
90JN

FOOTNOTES

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

08/20/22

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*** PROJECT NO. 92-0629 SAMPLE NO. 69719 SAMPLE TYPE: SOIL ***
*** SOURCE: HERCULES INC ***
*** STATION ID: SS-02 ***
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*** PROG ELEM: NSF COLLECTED BY: C HELM ***
*** CITY: HATTESBURG ST: MS ***
*** COLLECTION START: 06/24/92 1915 STOP: 00/00/00 ***

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***
CASE NO.: 18341
SAS NO.:
D. NO.: DH69

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UG/KG

 $\mu\text{g/kg}$

SAS NO :
D NO : DH69

ANALYTICAL RESULTS

12000000	PHENOL
12000000	BIS(2-CHLOROETHYL) ETHER
12000000	2-CHLOROPHENOL
12000000	1,3-DICHLOROBENZENE
12000000	1,4-DICHLOROBENZENE
12000000	1,2-DICHLOROBENZENE
12000000	2-METHYLPHENOL
12000000	2,2'-CHLOROISOPROPYLETHAR
12000000	(3-AND/OR 4-)METHYLPHENOL
12000000	N-NITROSODI-N-PROPYLAMINE
12000000	HEXACHLOROETHANE
12000000	NITROBENZENE
12000000	ISOPHORONE
12000000	2-NITROPHENOL
12000000	2,4-DIMETHYLPHENOL
12000000	BIS(2-CHLOROETHOXY) METHANE
12000000	2,4-DICHLOROPHENOL
12000000	1,2,4-TRICHLOROBENZENE
12000000	NAPHTHALENE
12000000	4-CHLOROANILINE
12000000	HEXACHLOROBUTADIENE
12000000	4-CHLORO-3-METHYLPHENOL
12000000	2-METHYLNAPHTHALENE
12000000	HEXACHLOROCYCLOPENTADIENE
12000000	2,4,6-TRICHLOROPHENOL
12000000	2,4,5-TRICHLOROPHENOL
12000000	2-CHLORONAPHTHALENE
12000000	2-NITROANILINE
12000000	DIMETHYL PHTHALATE
12000000	ACENAPHTHYLENE
12000000	2,6-DINITROTOLUENE

GG000000U	3-NITROANILINE
12000000U	ACENAPHTHENE
GG000000U	2,4-DINITROPHENOL
GG000000U	4-NITROPHENOL
12000000U	DIBENZOFURAN
12000000U	2,4-DINITROTOLUENE
12000000U	DIETHYL PHTHALATE
12000000U	4-CHLOROPHENYL PHENYL ETHER
12000000U	FLUORENE
GG000000U	4-NITROANILINE
GG000000U	2-METHYL-4,6-DINITROPHENOL
12000000U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
12000000U	4-BROMOPHENYL PHENYL ETHER
12000000U	HEXACHLOROBENZENE (HCB)
GG000000U	PENTACHLOROPHENOL
12000000U	PHENANTHRENE
12000000U	ANTHRACENE
12000000U	CARBAZOLE
12000000U	DI-N-BUTYL PHTHALATE
12000000U	FLUORANTHENE
12000000U	PYRENE
12000000U	BENZYL BUTYL PHTHALATE
12000000U	3,3'-DICHLOROBENZIDINE
12000000U	BENZO(A)ANTHRACENE
12000000U	CHRYSENE
12000000U	BIS(2-ETHYLHEXYL) PHTHALATE
12000000U	DI-N-OCTYL PHTHALATE
12000000U	BENZO(B AND/OR K)FLUORANTHENE
12000000U	BENZO-A-PYRENE
12000000U	INDENO (1,2,3-CD) PYRENE
12000000U	DIBENZO(A,H)ANTHRACENE
12000000U	BENZO(GH)PERYLENE
12000000U	PERCENT MOISTURE
17	

REMARKS

REMARKS

FOOTNOTES

FOOTNOTES***

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


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*** PROJECT NO. 92-0629 *** SAMPLE NO. 69719 *** SAMPLE TYPE: SOIL ***
*** SOURCE: HERCULES INC ***
*** STATION ID: 55-02 ***
*** CASE NO.: 18341 ***

*** SAS NO.: ***
*** D. NO.: DH69 *** MD NO: DC69 ***
*** COLLECTION START: 06/24/92 1915 *** STOP: 00/00/00 ***
*** CITY: HATIESBURG ***
*** PROG ELEM: NSF *** COLLECTED BY: C HELM ***
*** ST: MS ***

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ANALYTICAL RESULTS UG/KG

9.0E06JN	10 UNIDENTIFIED COMPOUNDS
5000000JN	METHYL (METHYLETHENYL)CYCLOHEXENE
5000000JN	METHYL (METHYLETHENYL)BENZENE
6000000JN	TRIMETHYLCYCLOHEXANEMETHANOL
5000000JN	TRIMETHYLBICYCLOHEPTANONE
8000000JN	ISOBORNEOL
1.0E07JN	TRIMETHYLCYCLOHEENEMETHANOL
7000000JN	PROPYPHENOL
2.0E07JN	TERPIN HYDRATE
7000000JN	OXYBISBENZENE
1+E06JN *	OCTAHYDRODIMETHYL (METHYLETHYL)PHENANTHRENE CARBOXYLIC ACID, METHYLESTER

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

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69719 SAMPLE TYPE: SOIL ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: SS-02 ***
 *** CASE NUMBER: 18341 ***
 *** SAS NUMBER: ***
 *** PROG ELEM: NSF COLLECTED BY: C HELM ***
 *** CITY: HATTIESBURG ST: MS ***
 *** COLLECTION START: 06/24/92 1915 STOP: 00/00/00 ***
 *** D. NUMBER: DH69 ***

UG/KG ANALYTICAL RESULTS

40U ALPHA-BHC
 60U BETA-BHC
 40U DELTA-BHC
 40U GAMMA-BHC (LINDANE)
 40U HEPTACHLOR
 40U ALDRIN
 40U HEPTACHLOR EPOXIDE
 40U ENDOSULFAN I (ALPHA)
 78U DIELDRIN
 78U 4,4'-DDE (P,P'-DDE)
 78U ENDRIN
 140U ENDOSULFAN II (BETA)
 78U 4,4'-DDD (P,P'-DDD)
 390N ENDOSULFAN SULFATE
 78U 4,4'-DDT (P,P'-DDT)

UG/KG

400U METHOXYCHLOR
 100U ENDRIN KETONE
 340N ENDRIN ALDEHYDE
 40U CHLORDANE (TECH. MIXTURE) /1
 40U GAMMA-CHLORDANE /2
 40U ALPHA-CHLORDANE /2
 400U TOXAPHENE
 780U PCB-1016 (AROCOR 1016)
 1600U PCB-1221 (AROCOR 1221)
 780U PCB-1232 (AROCOR 1232)
 780U PCB-1242 (AROCOR 1242)
 780U PCB-1248 (AROCOR 1248)
 780U PCB-1254 (AROCOR 1254)
 780U PCB-1260 (AROCOR 1260)
 17 PERCENT MOISTURE

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69720 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: 55-03
 *** CASE NO.: 18341
 *** PROG ELEM: NSF COLLECTED BY: C HELM
 *** CITY: HATIESBURG ST: MS
 *** COLLECTION START: 06/25/92 0725 STOP: 00/00/00

*** SAS NO.: D. NO.: DH70
 *** UG/KG UG/KG ANALYTICAL RESULTS ANALYTICAL RESULTS

13U	CHLOROMETHANE	13U	1,2-DICHLOROPROPANE
13U	BROMOMETHANE	13U	CIS-1,3-DICHLOROPROPENE
13U	VINYL CHLORIDE	13U	TRICHLOROETHENE (TRICHLOROETHYLENE)
13U	CHLOROETHANE	13U	DIBROMOCHLOROMETHANE
13U	METHYLENE CHLORIDE	13U	1,1,2-TRICHLOROETHANE
210U	ACETONE	13U	BENZENE
13U	CARBON DISULFIDE	13U	TRANS-1,3-DICHLOROPROPENE
13U	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	13U	BROMOFORM
13U	1,1-DICHLOROETHANE	13U	METHYL ISOBUTYL KETONE
13U	1,2-DICHLOROETHENE (TOTAL)	13U	METHYL BUTYL KETONE
13U	CHLOROFORM	13U	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
13U	1,2-DICHLOROETHANE	13U	1,1,2,2-TETRACHLOROETHANE
23	METHYL ETHYL KETONE	46	TOLUENE
13U	1,1,1-TRICHLOROETHANE	13U	CHLOROBENZENE
13U	CARBON TETRACHLORIDE	13U	ETHYL BENZENE
13U	BROMODICHLOROMETHANE	13U	STYRENE
		13U	TOTAL XYLENES
		22	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69720 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: SS-03

*** PROG ELEM: NSF COLLECTED BY: C HELM
 *** CITY: HATIESBURG ST: MS
 *** COLLECTION START: 06/25/92 0725 STOP: 00/00/00

*** CASE NO.: 18341

SAS NO.: D. NO.: DH70

ANALYTICAL RESULTS

ANALYTICAL RESULTS

4200U PHENOL
 4200U BIS(2-CHLOROETHYL) ETHER
 4200U 2-CHLOROPHENOL
 4200U 1,3-DICHLOROBENZENE
 4200U 1,4-DICHLOROBENZENE
 4200U 1,2-DICHLOROBENZENE
 4200U 2-METHYLPHENOL
 4200U 2,2'-CHLOROISOPROPYLETHYER
 4200U (3-AND/OR 4-)METHYLPHENOL
 4200U N-NITROSODI-N-PROPYLAMINE
 4200U HEXACHLOROETHANE
 4200U NITROBENZENE
 4200U ISOPHORONE
 4200U 2-NITROPHENOL
 4200U 2,4-DIMETHYLPHENOL
 4200U BIS(2-CHLOROETHOXY) METHANE
 4200U 2,4-DICHLOROPHENOL
 4200U 1,2,4-TRICHLOROBENZENE
 4200U NAPHTHALENE
 4200U 4-CHLOROANILINE
 4200U HEXACHLOROBUTADIENE
 4200U 4-CHLORO-3-METHYLPHENOL
 4200U 2-METHYLNAPHTHALENE
 4200U HEXACHLOROCYCLOPENTADIENE (HCCP)
 4200U 2,4,6-TRICHLOROPHENOL
 10000U 2,4,5-TRICHLOROPHENOL
 4200U 2-CHLORONAPHTHALENE
 10000U 2-NITROANILINE
 4200U DIMETHYL PHTHALATE
 4200U ACENAPHTHYLENE
 4200U 2,6-DINITROTOLUENE

10000U 3-NITROANILINE
 4200U ACENAPHTHENE
 10000U 2,4-DINITROPHENOL
 10000U 4-NITROPHENOL
 4200U DIBENZOFURAN
 4200U 2,4-DINITROTOLUENE
 4200U DIETHYL PHTHALATE
 4200U 4-CHLOROPHENYL PHENYL ETHER
 4200U FLUORENE
 10000U 4-NITROANILINE
 10000U 2-METHYL-4,6-DINITROPHENOL
 4200U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
 4200U 4-BROMOPHENYL PHENYL ETHER
 4200U HEXACHLOROBENZENE (HCB)
 10000U PENTACHLOROPHENOL
 4200U PHENANTHRENE
 4200U ANTHRACENE
 4200U CARBAZOLE
 4200U DI-N-BUTYL PHTHALATE
 4200U FLUORANTHENE
 4200U PYRENE
 4200U BENZYL BUTYL PHTHALATE
 4200U 3,3'-DICHLOROBENZIDINE
 4200U BENZO(A)ANTHRACENE
 4200U CHRYSENE
 4200U BIS(2-ETHYLHEXYL) PHTHALATE
 4200U DI-N-OCTYL PHTHALATE
 4200U BENZO(B AND/OR K)FLUORANTHENE
 4200U BENZO-A-PYRENE
 4200U INDENO (1,2,3-CD) PYRENE
 4200U DIBENZO(A,H)ANTHRACENE
 4200U BENZO(GHI)PERYLENE
 4200U PERCENT MOISTURE
 22

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 92-0629 SAMPLE NO. 69720 SAMPLE TYPE: SOIL
SOURCE: HERCULES INC
STATION ID: SS-03
CASE NO.: 18341
SAS NO.:
PROG ELEM: NSF COLLECTED BY: C. HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/25/92 0725 STOP: 00/00/00
D. NO.: DH70 MD NO: DC70

ANALYTICAL RESULTS UG/KG

*	OCTAHYDRODIMETHYL (METHYLETHYL) PHENANTHRENE
40000JN	CARBOXALDEHYDE
20000JN	TETRAMETHYLPHENANTHRENE
90000JN	OCTAHYDRODIMETHYL (METHYLETHYL) PHENANTHRENE
10000JN	C. CARBOXYLIC ACID, METHYLESTER
500000J	OCTAHYDRODIMETHYL (METHYLETHYL) PHENANTHRENE
	CARBOXYLIC ACID
	16 UNIDENTIFIED COMPOUNDS

FOOTNOTES

*A-AVERAGE VALUE
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69720 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: 55-03
 *** CASE NUMBER: 18341
 *** SAS NUMBER:
 *** PROG ELEM: NSF COLLECTED BY: C HELM
 *** CITY: HATIESBURG ST: MS
 *** COLLECTION START: 06/25/92 0725 STOP: 00/00/00
 *** D. NUMBER: DH70

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG

UG/KG

2.2U ALPHA-BHC
 2.2U BETA-BHC
 2.2U DELTA-BHC
 2.2U GAMMA-BHC (LINDANE)
 2.2U HEPTACHLOR
 2.2U ALDRIN
 4.6 HEPTACHLOR EPOXIDE
 2.2U ENDOSULFAN I (ALPHA)
 4.2U DIELDRIN
 4.2U 4.4'-DDE (P,P'-DDE)
 4.2U ENDRIN
 4.2U ENDOSULFAN II (BETA)
 4.2U 4.4'-DDD (P,P'-DDD)
 70U ENDOSULFAN SULFATE
 4.2U 4.4'-DDT (P,P'-DDT)

METHOXYCHLOR
 60U ENDRIN KETONE
 67 ENDRIN ALDEHYDE
 4.2U CHLORDANE (TECH. MIXTURE) /1
 2.4U GAMMA-CHLORDANE /2
 2.2U ALPHA-CHLORDANE /2
 220U TOXAPHENE
 42U PCB-1016 (AROCOR 1016)
 86U PCB-1221 (AROCOR 1221)
 42U PCB-1232 (AROCOR 1232)
 42U PCB-1242 (AROCOR 1242)
 42U PCB-1248 (AROCOR 1248)
 42U PCB-1254 (AROCOR 1254)
 42U PCB-1260 (AROCOR 1260)
 22 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69721 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: SS-04
 *** CASE NO.: 18341
 *** PROG ELEM: NSF COLLECTED BY: C HELM
 *** CITY: HATTIESBURG
 *** COLLECTION START: 06/25/92 0845 STOP: 00/00/00
 *** ST: MS

*** D. NO.: DH71
 *** ANALYTICAL RESULTS
 *** UG/KG

10U	CHLOROMETHANE	10U	1,2-DICHLOROPROPANE
10U	BROMOMETHANE	10U	CIS-1,3-DICHLOROPROPENE
10U	VINYL CHLORIDE	10U	TRICHLOROETHENE (TRICHLOROETHYLENE)
10U	CHLOROETHANE	10U	DIBROMOCHLOROMETHANE
60U	METHYLENE CHLORIDE	10U	1,1,2-TRICHLOROETHANE
60U	ACETONE	10U	BENZENE
10U	CARBON DISULFIDE	10U	TRANS-1,3-DICHLOROPROPENE
10U	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	10U	BROMOFORM
10U	1,1-DICHLOROETHANE	10U	METHYL ISOBUTYL KETONE
10U	1,2-DICHLOROETHENE (TOTAL)	10U	METHYL BUTYL KETONE
10U	CHLOROFORM	10U	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
10U	1,2-DICHLOROETHANE	10U	1,1,2,2-TETRACHLOROETHANE
10U	METHYL ETHYL KETONE	6J	TOLUENE
10U	1,1,1-TRICHLOROETHANE	10U	CHLOROBENZENE
10U	CARBON TETRACHLORIDE	10U	ETHYL BENZENE
10U	BROMODICHLOROMETHANE	10U	STYRENE
		10U	TOTAL XYLENES
		2	PERCENT MOISTURE

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE
 *K-ACTUAL VALUE
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

*NA-NOT ANALYZED
 *NAI-INTERFERENCES
 *J-ESTIMATED VALUE
 *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 IS KNOWN TO BE LESS THAN VALUE GIVEN
 *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *R-REANALYSIS IS NECESSARY FOR VERIFICATION.

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69721 SAMPLE TYPE: SOIL
 ** SOURCE: HERCULES INC
 ** STATION ID: 55-04
 ** CASE NO.: 18341
 ** PROG ELEM: NSF COLLECTED BY: C HELM
 ** CITY: HATTIESBURG ST: MS
 ** COLLECTION START: 06/25/92 0845 STOP: 00/00/00

*** SAS NO.: D. NO.: DH71
 ** UG/KG UG/KG ANALYTICAL RESULTS ANALYTICAL RESULTS

330U	PHENOL	330U	3-NITROANILINE
330U	BIS(2-CHLOROETHYL) ETHER	810U	ACENAPHTHENE
330U	2-CHLOROPHENOL	330U	2,4-DINITROPHENOL
330U	1,3-DICHLOROBENZENE	810U	4-NITROPHENOL
330U	1,4-DICHLOROBENZENE	330U	DIBENZOFURAN
330U	1,2-DICHLOROBENZENE	330U	2,4-DINITROTOLUENE
330U	2-METHYLPHENOL	330U	DIETHYL PHTHALATE
330U	2,2'-CHLOROISOPROPYLETHYER	330U	4-CHLOROPHENYL PHENYL ETHER
330U	(3-AND/OR 4-)METHYLPHENOL	330U	FLUORENE
330U	N-NITROSODI-N-PROPYLAMINE	810U	4-NITROANILINE
330U	HEXACHLOROETHANE	810U	2-METHYL-4,6-DINITROPHENOL
330U	NITROBENZENE	330U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
330U	ISOPHORONE	330U	4-BROMOPHENYL PHENYL ETHER
330U	2-NITROPHENOL	330U	HEXACHLOROBENZENE (HCB)
330U	2,4-DIMETHYLPHENOL	810U	PENTACHLOROPHENOL
330U	BIS(2-CHLOROETHOXY) METHANE	48J	PHENANTHRENE
330U	2,4-DICHLOROPHENOL	330U	ANTHRACENE
330U	1,2,4-TRICHLOROBENZENE	330U	CARBAZOLE
330U	NAPHTHALENE	330U	DI-N-BUTYLPHTHALATE
330U	4-CHLOROANILINE	330U	FLUORANTHENE
330U	HEXACHLOROBUTADIENE	330U	PYRENE
330U	4-CHLORO-3-METHYLPHENOL	330U	BENZYL BUTYL PHTHALATE
330U	2-METHYLNAPHTHALENE	330U	3,3'-DICHLOROBENZIDINE
330U	HEXACHLOROCYCLOPENTADIENE (HCCP)	330U	BENZO(A)ANTHRACENE
330U	2,4,6-TRICHLOROPHENOL	330U	CHRYSENE
810U	2,4,5-TRICHLOROPHENOL	330U	BIS(2-ETHYLHEXYL) PHTHALATE
330U	2-CHLORONAPHTHALENE	330U	DI-N-OCTYLPHTHALATE
810U	2-NITROANILINE	330U	BENZO(B AND/OR K)FLUORANTHENE
330U	DIMETHYL PHTHALATE	330U	BENZO-A-PYRENE
330U	ACENAPHTHYLENE	330U	INDENO (1,2,3-CD) PYRENE
330U	2,6-DINITROTOLUENE	330U	DIBENZO(A,H)ANTHRACENE
		330U	BENZO(GH)PERYLENE
		2	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

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

08/26/92

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** PROJECT NO. 92-0629 ***
*** SOURCE: HERCULES INC ***
*** STATION ID: SS-04 ***
*** CASE NO.: 18341 ***
*** SAMPLE NO. 69721 ***
*** SAMPLE TYPE: SOIL ***
*** D. NO.: DH71 ***
*** COLLECTION START: 06/25/92 ***
*** MD NO: DC71 ***
*** STOP: 00/00/00 ***
*** CITY: HATTIESBURG ***
*** ST: MS ***
*** COLLECTED BY: C HELM ***
*** PROG ELEM: NSF ***

ANALYTICAL RESULTS UG/KG

10000J 18 UNIDENTIFIED COMPOUNDS
* OCTAHYDRODIMETHYL(METHYLETHYL)PHENANTHRENE
20000JN CARBOXYLIC ACID, METHYLESTER

FOOTNOTES

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69721 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: SS-04
 *** CASE NUMBER: 18341
 *** SAS NUMBER:
 *** PROG ELEM: NSF COLLECTED BY: C HELM
 *** CITY: HATTIESBURG ST: MS
 *** COLLECTION START: 06/25/92 0845 STOP: 00/00/00
 *** D. NUMBER: DH71

UG/KG ANALYTICAL RESULTS

1.7U ALPHA-BHC
 1.7U BETA-BHC
 1.7U DELTA-BHC
 1.7U GAMMA-BHC (LINDANE)
 1.7U HEPTACHLOR
 1.7U ALDRIN
 1.7U HEPTACHLOR EPOXIDE
 1.7U ENDOSULFAN I (ALPHA)
 3.4U DIELDRIN
 3.4U 4,4'-DDE (P,P'-DDE)
 3.4U ENDRIN
 3.4U ENDOSULFAN II (BETA)
 3.4U 4,4'-DDD (P,P'-DDD)
 3.4U ENDOSULFAN SULFATE
 3.4U 4,4'-DDT (P,P'-DDT)

UG/KG

17U METHOXYCHLOR
 3.4U ENDRIN KETONE
 5.0U ENDRIN ALDEHYDE
 1.7U CHLORDANE (TECH. MIXTURE) /1
 1.7U GAMMA-CHLORDANE /2
 170U ALPHA-CHLORDANE /2
 34U TOXAPHENE
 68U PCB-1016 (AROCOR 1016)
 34U PCB-1221 (AROCOR 1221)
 34U PCB-1232 (AROCOR 1232)
 34U PCB-1242 (AROCOR 1242)
 34U PCB-1248 (AROCOR 1248)
 810 PCB-1254 (AROCOR 1254)
 34U PCB-1260 (AROCOR 1260)
 2 PERCENT MOISTURE

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES
 *A-AVERAGE VALUE
 *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT
 *R-OC INDICATES THAT DATA UNUSABLE. 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.
 *C-CONFIRMED BY GCMS
 *NAI-INTERFERENCES
 *J-ESTIMATED VALUE
 *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *A-AVERAGE VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *K-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT
 *R-OC INDICATES THAT DATA UNUSABLE. 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69722 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: SS-05
 *** COLLECTION START: 06/25/92 0945 STOP: 00/00/00
 *** CITY: HATIESBURG ST: MS
 *** PROG ELEM: NSF COLLECTED BY: C HELM

*** CASE NO.: 18341 SAS NO.: D. NO.: DH72
 *** UG/KG UG/KG ANALYTICAL RESULTS ANALYTICAL RESULTS

11U CHLOROMETHANE	11U 1,2-DICHLOROPROPANE
11U BROMOMETHANE	11U CIS-1,3-DICHLOROPROPENE
11U VINYL CHLORIDE	11U TRICHLOROETHENE (TRICHLOROETHYLENE)
11U CHLOROETHANE	11U DIBROMOCHLOROMETHANE
30U METHYLENE CHLORIDE	11U 1,1,2-TRICHLOROETHANE
30U ACETONE	11U BENZENE
11U CARBON DISULFIDE	11U TRANS-1,3-DICHLOROPROPENE
11U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	11U BROMOFORM
11U 1,1-DICHLOROETHANE	11U METHYL ISOBUTYL KETONE
11U 1,2-DICHLOROETHENE (TOTAL)	11U METHYL BUTYL KETONE
11U CHLOROFORM	11U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11U 1,2-DICHLOROETHANE	11U 1,1,2,2-TETRACHLOROETHANE
11U METHYL ETHYL KETONE	11U TOLUENE
11U 1,1,1-TRICHLOROETHANE	11U CHLOROBENZENE
11U CARBON TETRACHLORIDE	11U ETHYL BENZENE
11U BROMODICHLOROMETHANE	11U STYRENE
	11U TOTAL XYLENES
	6 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69722 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: 55-05
*** CASE NO.: 18341
*** SAS NO.:
*** ANALYTICAL RESULTS

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/25/92 0945 STOP: 00/00/00

*** D. NO.: DH72
*** ANALYTICAL RESULTS

350U	PHENOL	840U	3-NITROANILINE
350U	BIS(2-CHLOROETHYL) ETHER	350U	ACENAPHTHENE
350U	2-CHLOROPHENOL	840U	2,4-DINITROPHENOL
350U	1,3-DICHLOROBENZENE	840U	4-NITROPHENOL
350U	1,4-DICHLOROBENZENE	350U	DIBENZOFURAN
350U	1,2-DICHLOROBENZENE	350U	2,4-DINITROTOLUENE
350U	2-METHYLPHENOL	350U	DIETHYL PHTHALATE
350U	2,2'-CHLOROISOPROPYLETHETHER	350U	4-CHLOROPHENYL PHENYL ETHER
350U	(3-AND/OR 4-)METHYLPHENOL	350U	FLUORENE
350U	N-NITROSODI-N-PROPYLAMINE	840U	4-NITROANILINE
350U	HEXACHLOROETHANE	840U	2-METHYL-4,6-DINITROPHENOL
350U	NITROBENZENE	350U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
350U	ISOPHORONE	350U	4-BROMOPHENYL PHENYL ETHER
350U	2-NITROPHENOL	350U	HEXACHLOROBENZENE (HCB)
350U	2,4-DIMETHYLPHENOL	840U	PENTACHLOROPHENOL
350U	BIS(2-CHLOROETHOXY) METHANE	350U	PHENANTHRENE
350U	2,4-DICHLOROPHENOL	350U	ANTHRACENE
350U	1,2,4-TRICHLOROBENZENE	350U	CARBAZOLE
350U	NAPHTHALENE	350U	DI-N-BUTYLPHTHALATE
350U	4-CHLOROANILINE	350U	FLUORANTHENE
350U	HEXACHLOROBUTADIENE	350U	PYRENE
350U	4-CHLORO-3-METHYLPHENOL	350U	BENZYL BUTYL PHTHALATE
350U	2-METHYLNAPHTHALENE	350U	3,3'-DICHLOROBENZIDINE
350U	HEXACHLOROCYCLOPENTADIENE (HCCP)	350U	BENZO(A)ANTHRACENE
840U	2,4,6-TRICHLOROPHENOL	350U	CHRYSENE
840U	2,4,5-TRICHLOROPHENOL	350U	BIS(2-ETHYLHEXYL) PHTHALATE
350U	2-CHLORONAPHTHALENE	350U	DI-N-OCTYLPHTHALATE
840U	2-NITROANILINE	350U	BENZO(B AND/OR K)FLUORANTHENE
350U	DIMETHYL PHTHALATE	350U	BENZO-A-PYRENE
350U	ACENAPHTHYLENE	350U	INDENO (1,2,3-CD) PYRENE
350U	2,6-DINITROTOLUENE	350U	DIBENZO(A,H)ANTHRACENE
		350U	BENZO(GH)PERYLENE
		6	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

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***      ***      ***      ***      ***      ***      ***      ***      ***      ***
PROJECT NO. 92-0629          SAMPLE NO. 69722   SAMPLE TYPE: SOIL
SOURCE: HERCULES INC
STATION ID: S5-05
CASE NO.: 18341

***      ***      ***      ***      ***      ***      ***      ***      ***      ***
SAS NO.:                      PROG ELEM: NSF     COLLECTED BY: C HELM
                                CITY: HATIESBURG ST: MS
                                COLLECTION START: 06/25/92 0945 STOP: 00/00/00
                                D. NO.: DH72       MD NO: DC72

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***      ***      ***      ***      ***      ***      ***      ***      ***      ***
PROJECT NO. 92-0629          SAMPLE NO. 69722   SAMPLE TYPE: SOIL
SOURCE: HERCULES INC
STATION ID: S5-05
CASE NO.: 18341

***      ***      ***      ***      ***      ***      ***      ***      ***      ***
SAS NO.:                      PROGR ELEM: NSF    COLLECTED BY: C HELM
                                CITY: HATIESBURG ST: MS
                                COLLECTION START: 06/25/92 0945 STOP: 00/00/00
                                D. NO.: DH72       MD NO: DC72

***      ***      ***      ***      ***      ***      ***      ***      ***      ***

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OCTAHYDRODIMETHYL(METHYLETHYL)PHENANTHRENE
CARBOXYLIC ACID, METHYLESTER
4 UNIDENTIFIED COMPOUNDS

*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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08/20/92

SAS NUMBER:

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG

1.8U	ALPHA-BHC
1.8U	BETA-BHC
1.8U	DELTA-BHC
1.8U	GAMMA-BHC (LINDANE)
1.8U	HEPTACHLOR
1.8U	ALDRIN
1.8U	HEPTACHLOR EPOXIDE
1.8U	ENDOSULFAN I (ALPHA)
3.5U	DIELDRIN
3.5U	4,4'-DDE (P, P'-DDE)
3.5U	ENDRIN
3.5U	ENDOSULFAN II (BETA)
3.5U	4,4'-DDD (P, P'-DDD)
3.5U	ENDOSULFAN SULFATE
3.5U	4,4'-DDT (P, P'-DDT)

18U	METHOXYCHLOR	
3.5U	ENDRIN KETONE	
3.5U	ENDRIN ALDEHYDE	
	CHLORDANE (TECH.	MIXTURE) /1
1.8U	GAMMA-CHLORDANE	/2
1.8U	ALPHA-CHLORDANE	/2
180U	TOXAPHENE	
35U	PCB-1016 (AROCLOR	1016)
71U	PCB-1221 (AROCLOR	1221)
35U	PCB-1232 (AROCLOR	1232)
35U	PCB-1242 (AROCLOR	1242)
35U	PCB-1248 (AROCLOR	1248)
35U	PCB-1254 (AROCLOR	1254)
35U	PCB-1260 (AROCLOR	1260)
6	PERCENT MOISTURE	

REMARKS

REMARKS

FOOTNOTES

FOOTNOTES***

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

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69723 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SB-05
*** CASE NO.: 18341
*** UG/KG

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/25/92 0955 STOP: 00/00/00

*** ANALYTICAL RESULTS *** ANALYTICAL RESULTS ***
*** D. NO.: DH73 ***
*** UG/KG ***

12U CHLOROMETHANE	12U 1,2-DICHLOROPROPANE
12U BROMOMETHANE	12U CIS-1,3-DICHLOROPROPENE
12U VINYL CHLORIDE	12U TRICHLOROETHENE (TRICHLOROETHYLENE)
12U CHLOROETHANE	12U DIBROMOCHLOROMETHANE
30U METHYLENE CHLORIDE	12U 1,1,2-TRICHLOROETHANE
30U ACETONE	12U BENZENE
12U CARBON DISULFIDE	12U TRANS-1,3-DICHLOROPROPENE
12U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	12U BROMOFORM
12U 1,1-DICHLOROETHANE	12U METHYL ISOBUTYL KETONE
12U 1,2-DICHLOROETHENE (TOTAL)	12U METHYL BUTYL KETONE
12U CHLOROFORM	12U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
12U 1,2-DICHLOROETHANE	12U 1,1,2,2-TETRACHLOROETHANE
12U METHYL ETHYL KETONE	12U TOLUENE
12U 1,1,1-TRICHLOROETHANE	12U CHLOROBENZENE
12U CARBON TETRACHLORIDE	12U ETHYL BENZENE
12U BROMODICHLOROMETHANE	12U STYRENE
	2J TOTAL XYLENES
	18 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69723 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SB-05
*** CASE NO.: 18341
*** UG/KG

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATTIESBURG ST: MS
COLLECTION START: 06/25/92 0955 STOP: 00/00/00

*** ANALYTICAL RESULTS
*** SAS NO.: D. NO.: DH73
*** UG/KG

ANALYTICAL RESULTS

PHENOL	NA	3-NITROANILINE	NA
NA BIS(2-CHLOROETHYL) ETHER	NA	ACENAPHTHENE	NA
2-CHLOROPHENOL	NA	2,4-DINITROPHENOL	NA
1,3-DICHLOROBENZENE	NA	4-NITROPHENOL	NA
1,4-DICHLOROBENZENE	NA	DIBENZOFURAN	NA
1,2-DICHLOROBENZENE	NA	2,4-DINITROTOLUENE	NA
2-METHYLPHENOL	NA	DIETHYL PHTHALATE	NA
2,2'-CHLOROISOPROPYLETHER	NA	4-CHLOROPHENYL PHENYL ETHER	NA
NA (3-AND/OR 4-)METHYLPHENOL	NA	FLUORENE	NA
NA NITROBENZENE	NA	4-NITROANILINE	NA
NA HEXACHLOROETHANE	NA	2-METHYL-4,6-DINITROPHENOL	NA
ISOPHORONE	NA	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	NA
2-NITROPHENOL	NA	4-BROMOPHENYL PHENYL ETHER	NA
2,4-DIMETHYLPHENOL	NA	HEXACHLOROBENZENE (HCB)	NA
NA BIS(2-CHLOROETHOXY) METHANE	NA	PENTACHLOROPHENOL	NA
2,4-DICHLOROPHENOL	NA	PHENANTHRENE	NA
1,2,4-TRICHLOROBENZENE	NA	ANTHRACENE	NA
NAPHTHALENE	NA	CARBAZOLE	NA
4-CHLOROANILINE	NA	DI-N-BUTYL PHTHALATE	NA
HEXACHLOROBUTADIENE	NA	FLUORANTHENE	NA
4-CHLORO-3-METHYLPHENOL	NA	PYRENE	NA
2-METHYLNAPHTHALENE	NA	BENZYL BUTYL PHTHALATE	NA
HEXACHLOROCYCLOPENTADIENE (HCCP)	NA	3,3'-DICHLOROBENZIDINE	NA
2,4,6-TRICHLOROPHENOL	NA	BENZO(A)ANTHRACENE	NA
2,4,5-TRICHLOROPHENOL	NA	CHRYSENE	NA
2-CHLORONAPHTHALENE	NA	BIS(2-ETHYLHEXYL) PHTHALATE	NA
2-NITROANILINE	NA	DI-N-OCTYL PHTHALATE	NA
DIMETHYL PHTHALATE	NA	BENZO(B AND/OR K)FLUORANTHENE	NA
ACENAPHTHYLENE	NA	BENZO-A-PYRENE	NA
2,6-DINITROTOLUENE	NA	INDENO (1,2,3-CD) PYRENE	NA
		DIBENZO(A,H)ANTHRACENE	NA
		BENZO(GH)PERYLENE	NA
		PERCENT MOISTURE	NA

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 92-0629 SAMPLE NO. 69723 SAMPLE TYPE: SOIL
SOURCE: HERCULES INC
STATION ID: SB-05
CASE NUMBER: 18341

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/25/92 0955 STOP: 00/00/00
D. NUMBER: DH73

SAS NUMBER:

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG

UG/KG

NA ALPHA-BHC
NA BETA-BHC
NA DELTA-BHC
NA GAMMA-BHC (LINDANE)
NA HEPTACHLOR
NA ALDRIN
NA HEPTACHLOR EPOXIDE
NA ENDOSULFAN I (ALPHA)
NA DIELDRIN
NA 4,4'-DDE (P,P'-DDE)
NA ENDRIN
NA ENDOSULFAN II (BETA)
NA 4,4'-DDD (P,P'-DDD)
NA ENDOSULFAN SULFATE
NA 4,4'-DDT (P,P'-DDT)

NA METHOXYCHLOR
NA ENDRIN KETONE
NA ENDRIN ALDEHYDE
NA CHLORDANE (TECH. MIXTURE) /1
NA GAMMA-CHLORDANE /2
NA ALPHA-CHLORDANE /2
NA TOXAPHENE
NA PCB-1016 (AROCOR 1016)
NA PCB-1221 (AROCOR 1221)
NA PCB-1232 (AROCOR 1232)
NA PCB-1242 (AROCOR 1242)
NA PCB-1248 (AROCOR 1248)
NA PCB-1254 (AROCOR 1254)
NA PCB-1260 (AROCOR 1260)
NA PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

SEDIMENT

ORGANICS

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** ** ** ** ** PROJECT NO. 92-0629 SAMPLE NO. 69714 SAMPLE TYPE: SOIL
*** ** ** ** SOURCE: HERCULES INC
*** ** ** ** STATION ID: SD-01
*** ** ** ** CASE NO.: 18341
*** ** ** ** SAS NO.:
*** ** ** ** UG/KG

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATTIESBURG ST: MS
COLLECTION START: 06/24/92 1620 STOP: 00/00/00

*** ** ** ** ANALYTICAL RESULTS
*** ** ** ** ANALYTICAL RESULTS
*** ** ** ** UG/KG

13U	CHLOROMETHANE	13U	1,2-DICHLOROPROPANE
13U	BROMOMETHANE	13U	CIS-1,3-DICHLOROPROPENE
13U	VINYL CHLORIDE	13U	TRICHLOROETHENE (TRICHLOROETHYLENE)
13U	CHLOROETHANE	13U	DIBROMOCHLOROMETHANE
40U	METHYLENE CHLORIDE	13U	1,1,2-TRICHLOROETHANE
30U	ACETONE	13U	BENZENE
13U	CARBON DISULFIDE	13U	TRANS-1,3-DICHLOROPROPENE
13U	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	13U	BROMOFORM
13U	1,1-DICHLOROETHANE	13U	METHYL ISOBUTYL KETONE
13U	1,2-DICHLOROETHENE (TOTAL)	13U	METHYL BUTYL KETONE
13U	CHLOROFORM	13U	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
13U	1,2-DICHLOROETHANE	13U	1,1,2,2-TETRACHLOROETHANE
13U	METHYL ETHYL KETONE	13U	TOLUENE
13U	1,1,1-TRICHLOROETHANE	13U	CHLOROBENZENE
13U	CARBON TETRACHLORIDE	13U	ETHYL BENZENE
13U	BROMOCHLOROMETHANE	13U	STYRENE
		13U	TOTAL XYLENES
		22	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69714 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SD-01
*** CASE NO.: 18341
*** SAS NO.:
*** D. NO.: DH64
*** COLLECTED BY: C HELM
*** ST: MS
*** COLLECTION START: 06/24/92 1620 STOP: 00/00/00

UG/KG ANALYTICAL RESULTS ANALYTICAL RESULTS

420UR	PHENOL	1000UR	3-NITROANILINE
420UR	BIS(2-CHLOROETHYL) ETHER	420UR	ACENAPHTHENE
420UR	2-CHLOROPHENOL	1000UR	2,4-DINITROPHENOL
420UR	1,3-DICHLOROBENZENE	1000UR	4-NITROPHENOL
420UR	1,4-DICHLOROBENZENE	420UR	DIBENZOFURAN
420UR	1,2-DICHLOROBENZENE	420UR	2,4-DINITROTOLUENE
420UR	2-METHYLPHENOL	420UR	DIETHYL PHTHALATE
420UR	2,2'-CHLOROISOPROPYLETHET	420UR	4-CHLOROPHENYL PHENYL ETHER
420UR	(3-AND/OR 4-METHYLPHENOL	420UR	FLUORENE
420UR	N-NITROSODI-N-PROPYLAMINE	1000UR	4-NITROANILINE
420UR	HEXACHLOROETHANE	1000UR	2-METHYL-4,6-DINITROPHENOL
420UR	NITROBENZENE	420UR	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
420UR	ISOPHORONE	420UR	4-BROMOPHENYL PHENYL ETHER
420UR	2-NITROPHENOL	420UR	HEXACHLOROBENZENE (HCB)
420UR	2,4-DIMETHYLPHENOL	1000UR	PENTACHLOROPHENOL
420UR	BIS(2-CHLOROETHOXY) METHANE	420UR	PHENANTHRENE
420UR	2,4-DICHLOROPHENOL	420UR	ANTHRACENE
420UR	1,2,4-TRICHLOROBENZENE	420UR	CARBAZOLE
420UR	NAPHTHALENE	420UR	DI-N-BUTYL PHTHALATE
420UR	4-CHLOROANILINE	420UR	FLUORANTHENE
420UR	HEXACHLOROBUTADIENE	420UR	PYRENE
420UR	4-CHLORO-3-METHYLPHENOL	420UR	BENZYL BUTYL PHTHALATE
420UR	2-METHYLNAPHTHALENE	420UR	3,3'-DICHLOROBENZIDINE
420UR	HEXACHLOROCYCLOPENTADIENE (HCCP)	420UR	BENZO(A)ANTHRACENE
420UR	2,4,6-TRICHLOROPHENOL	420UR	CHRYSENE
1000UR	2,4,5-TRICHLOROPHENOL	420UR	BIS(2-ETHYLHEXYL) PHTHALATE
1000UR	2-CHLORONAPHTHALENE	420UR	DI-N-OCTYL PHTHALATE
420UR	2-NITROANILINE	420UR	BENZO(B AND/OR K)FLUORANTHENE
420UR	DIMETHYL PHTHALATE	420UR	BENZO-A-PYRENE
420UR	ACENAPHTHYLENE	420UR	INDENO (1,2,3-CD) PYRENE
420UR	2,6-DINITROTOLUENE	420UR	DIBENZO(A,H)ANTHRACENE
		420UR	BENZO(GHI)PERYLENE
		22	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** PROJECT NO. 92-0629 ***
*** SOURCE: HERCULES INC ***
*** STATION ID: SD-01 ***
*** CASE NO.: 18341 ***
*** SAMPLE NO. 69714 ***
*** SAMPLE TYPE: SOIL ***
*** COLLECTION START: 06/24/92 1620 STOP: 00/00/00 ***
*** D. NO.: DH64 MD NO: DC64 ***

SAS NO.:

ANALYTICAL RESULTS UG/KG

6000J 3 UNIDENTIFIED COMPOUNDS

*** FOOTNOTES ***

*A-AVERAGE VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTIFICATION LIMIT
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08/20/92

REMARKS

FOOTNOTES

FOOTNOTES

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69717 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SD-02
*** CASE NO.: 18341
*** UG/KG

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/24/92 1730 STOP: 00/00/00

SAS NO.: D. NO.: DH67

ANALYTICAL RESULTS

ANALYTICAL RESULTS

13U CHLOROMETHANE	13U 1,2-DICHLOROPROPANE
13U BROMOMETHANE	13U CIS-1,3-DICHLOROPROPENE
13U VINYL CHLORIDE	13U TRICHLOROETHENE (TRICHLOROETHYLENE)
13U CHLOROETHANE	13U DIBROMOCHLOROMETHANE
80U METHYLENE CHLORIDE	13U 1,1,2-TRICHLOROETHANE
80U ACETONE	13U BENZENE
13U CARBON DISULFIDE	13U TRANS-1,3-DICHLOROPROPENE
13U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	13U BROMOFORM
13U 1,1-DICHLOROETHANE	13U METHYL ISOBUTYL KETONE
13U 1,2-DICHLOROETHENE (TOTAL)	13U METHYL BUTYL KETONE
13U CHLOROFORM	13U TETRACHLOROETHENE (TETRACHLOROETHYLENE)
13U 1,2-DICHLOROETHANE	13U 1,1,2,2-TETRACHLOROETHANE
13U METHYL ETHYL KETONE	13U TOLUENE
13U 1,1,1-TRICHLOROETHANE	13U CHLOROBENZENE
13U CARBON TETRACHLORIDE	13U ETHYL BENZENE
13U BROMODICHLOROMETHANE	13U STYRENE
	13U TOTAL XYLENES
	21 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69717 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SD-02
*** CASE NO.: 18341
*** SAS NO.:
*** ANALYTICAL RESULTS

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG
COLLECTION START: 06/24/92 1730 STOP: 00/00/00
ST: MS

*** D. NO.: DH67
*** ANALYTICAL RESULTS

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
410U	PHENOL	1000U	3-NITROANILINE
410U	BIS(2-CHLOROETHYL) ETHER	410U	ACENAPHTHENE
410U	2-CHLOROPHENOL	1000U	2,4-DINITROPHENOL
410U	1,3-DICHLOROBENZENE	1000U	4-NITROPHENOL
410U	1,4-DICHLOROBENZENE	410U	DIBENZOFURAN
410U	1,2-DICHLOROBENZENE	410U	2,4-DINITROTOLUENE
410U	2-METHYLPHENOL	410U	DIETHYL PHTHALATE
410U	2,2'-CHLOROSOPROPYLETHETHER	410U	4-CHLOROPHENYL PHENYL ETHER
410U	(3-AND/OR 4-) METHYLPHENOL	410U	FLUORENE
410U	N-NITROSODI-N-PROPYLAMINE	1000U	4-NITROANILINE
410U	HEXACHLOROETHANE	1000U	2-METHYL-4,6-DINITROPHENOL
410U	NITROBENZENE	410U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
410U	ISOPHORONE	410U	4-BROMOPHENYL PHENYL ETHER
410U	2-NITROPHENOL	1000U	HEXACHLOROBENZENE (HCB)
410U	2,4-DIMETHYLPHENOL	410U	PENTACHLOROPHENOL
410U	BIS(2-CHLOROETHOXY) METHANE	410U	PHENANTHRENE
410U	2,4-DICHLOROPHENOL	410U	ANTHRACENE
410U	1,2,4-TRICHLOROBENZENE	410U	CARBAZOLE
410U	NAPHTHALENE	410U	DI-N-BUTYLPHTHALATE
410U	4-CHLOROANILINE	410U	FLUORANTHENE
410U	HEXACHLOROBUTADIENE	410U	PYRENE
410U	4-CHLORO-3-METHYLPHENOL	410U	BENZYL BUTYL PHTHALATE
410U	2-METHYLNAPHTHALENE	410U	3,3'-DICHLOROBENZIDINE
410U	HEXACHLOROCYCLOPENTADIENE (HCCP)	410U	BENZO(A)ANTHRACENE
410U	2,4,6-TRICHLOROPHENOL	410U	CHRYSENE
1000U	2,4,5-TRICHLOROPHENOL	410U	BIS(2-ETHYLHEXYL) PHTHALATE
1000U	2-CHLORONAPHTHALENE	410U	DI-N-OCTYLPHTHALATE
410U	2-NITROANILINE	410U	BENZO(B AND/OR K)FLUORANTHENE
410U	DIMETHYL PHTHALATE	410U	BENZO-A-PYRENE
410U	ACENAPHTHYLENE	410U	INDENO (1,2,3-CD) PYRENE
410U	2,6-DINITROTOLUENE	410U	DIBENZO(A,H)ANTHRACENE
		410U	BENZO(GH,I)PERYLENE
		21	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

MISCELLANEOUS EXTRACTABLE COMPOUNDS -- DATA REPORT

*** PROJECT NO. 92-0629 ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: SD-02 ***
 *** CASE NO.: 18341 ***
 *** SAMPLE NO. 69717 SAMPLE TYPE: SOIL ***
 *** SAS NO.: ***
 *** PROG ELEM: NSF COLLECTED BY: C. HELM ***
 *** CITY: HATIESBURG ST: MS ***
 *** COLLECTION START: 06/24/92 1730 STOP: 00/00/00 ***
 *** D. NO.: DH67 MD NO: DC67 ***

ANALYTICAL RESULTS UG/KG

3000J	6 UNIDENTIFIED COMPOUNDS
300JN	NONYLPHENOL
500JN	HEXADECANOIC ACID
500JN	METHYLANTHRACENE
500JN	OCTAHYDRODIMETHYL(METHYLETHYL)PHENANTHRENE
500JN	CARBOXALDEHYDE

FOOTNOTES

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

*** PROJECT NO. 92-0629 *** SAMPLE NO. 69717 *** SAMPLE TYPE: SOIL *** PROG ELEM: NSF *** COLLECTED BY: C HELM ***
 *** SOURCE: HERCULES INC *** *** ST: MS ***
 *** STATION ID: SD-02 *** *** COLLECTION START: 06/24/92 1730 *** STOP: 00/00/00 ***
 *** CASE NUMBER: 18341 *** *** D. NUMBER: DH67 ***

SAS NUMBER:

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG

UG/KG

2.2U ALPHA-BHC
 2.2U BETA-BHC
 2.2U DELTA-BHC
 2.2U GAMMA-BHC (LINDANE)
 2.2U HEPTACHLOR
 2.2U ALDRIN
 2.2U HEPTACHLOR EPOXIDE
 2.2U ENDOSULFAN I (ALPHA)
 4.2U DIELDRIN
 2.2J 4.4'-DDE (P,P'-DDE)
 4.2U ENDOSULFAN II (BETA)
 4.2U 4.4'-DDD (P,P'-DDD)
 4.2U ENDOSULFAN SULFATE
 4.2U 4.4'-DDT (P,P'-DDT)

3.6J METHOXYCHLOR
 4.2U ENDRIN KETONE
 4.2U ENDRIN ALDEHYDE
 CHLORDANE (TECH. MIXTURE) /1
 2.2U GAMMA-CHLORDANE /2
 2.2U ALPHA-CHLORDANE /2
 220U TOXAPHENE
 42U PCB-1016 (AROCOR 1016)
 85U PCB-1221 (AROCOR 1221)
 42U PCB-1232 (AROCOR 1232)
 42U PCB-1242 (AROCOR 1242)
 42U PCB-1248 (AROCOR 1248)
 42U PCB-1254 (AROCOR 1254)
 42U PCB-1260 (AROCOR 1260)
 21 PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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 *C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69718 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SD-03

*** CASE NO.: 18341
*** UG/KG
*** ANALYTICAL RESULTS

D. NO.: DH68

ANALYTICAL RESULTS

UG/KG

18000U	CHLOROMETHANE	18000U	1,2-DICHLOROPROPANE
18000U	BROMOMETHANE	18000U	CIS-1,3-DICHLOROPROPENE
18000U	VINYL CHLORIDE	18000U	TRICHLOROETHENE (TRICHLOROETHYLENE)
18000U	CHLOROETHANE	18000U	DIBROMOCHLOROMETHANE
18000U	METHYLENE CHLORIDE	18000U	1,1,2-TRICHLOROETHANE
30000U	ACETONE	18000U	BENZENE
18000U	CARBON DISULFIDE	18000U	TRANS-1,3-DICHLOROPROPENE
18000U	1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)	18000U	BROMOFORM
18000U	1,1-DICHLOROETHANE	18000U	METHYL ISOBUTYL KETONE
18000U	1,2-DICHLOROETHENE (TOTAL)	18000U	METHYL BUTYL KETONE
18000U	CHLOROFORM	18000U	TETRACHLOROETHENE (TETRACHLOROETHYLENE)
18000U	1,2-DICHLOROETHANE	18000U	1,1,2,2-TETRACHLOROETHANE
18000U	METHYL ETHYL KETONE	31000	TOLUENE
18000U	1,1,1-TRICHLOROETHANE	18000U	CHLOROBENZENE
18000U	CARBON TETRACHLORIDE	18000U	ETHYL BENZENE
18000U	BROMODICHLOROMETHANE	18000U	STYRENE
		18000U	TOTAL XYLENES
		34	PERCENT MOISTURE

REMARKS

REMARKS

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

08/20/92

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69718 SAMPLE TYPE: SOIL ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: SD-03 ***
 *** CASE NO.: 18341 ***

SAS NO.:

PROG ELEM: NSF COLLECTED BY: C HELM
 CITY: HATTIESBURG ST: MS
 COLLECTION START: 06/24/92 1815 STOP: 00/00/00
 D. NO.: DH68 MD NO: DC68

ANALYTICAL RESULTS UG/KG

50000JN	CYCLOHEXANE
30000JN	CARENE
30000JN	DIMETHYLMETHYLENEBICYCLOHEPTANE
30000JN	TRIMETHYLBICYCLOHEPTANE

FOOTNOTES

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

08/20/92

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** PROJECT NO. 92-0629 *** SAMPLE NO. 69718 *** SAMPLE TYPE: SOIL ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: SD-03 ***
 *** CASE NO.: 18341 ***
 *** SAS NO.: ***

PROG ELEM: NSF COLLECTED BY: C HELM
 CITY: HATTIESBURG ST: MS
 COLLECTION START: 06/24/92 1815 STOP: 00/00/00
 D. NO.: DH68 MD NO: DC68

ANALYTICAL RESULTS UG/KG

4+EO6JN METHYL(METHYLETHYL)CYCLOHEXANE
 3+EO6JN OXYBISBENZENE
 4+EO6JN HEXAHYDROTETRAMETHYLMETHANONAPHTHALENE
 1.OEO8JN 17 UNIDENTIFIED COMPOUNDS

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

08/20/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69725 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SD-04

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATTIESBURG ST: MS
COLLECTION START: 06/25/92 1245 STOP: 00/00/00

*** CASE NO.: 18341 SAS NO.: D. NO.: DH75
*** UG/KG ANALYTICAL RESULTS ANALYTICAL RESULTS

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

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69725 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SD-04

*** CASE NO.: 18341

D. NO.: DH75

SAS NO.:

*** UG/KG *** ANALYTICAL RESULTS *** UG/KG *** ANALYTICAL RESULTS ***

PHENOL
NA BIS(2-CHLOROETHYL) ETHER
NA 2-CHLOROPHENOL
NA 1,3-DICHLOROBENZENE
NA 1,4-DICHLOROBENZENE
NA 1,2-DICHLOROBENZENE
NA 2-METHYLPHENOL
NA 2,2'-CHLOROISOPROPYLETH
NA (3-AND/OR 4-)METHYLPHENOL
NA N-NITROSODI-N-PROPYLAMINE
NA HEXACHLOROETHANE
NA NITROBENZENE
NA ISOPHORONE
NA 2-NITROPHENOL
NA 2,4-DIMETHYLPHENOL
NA BIS(2-CHLOROETHOXY) METHANE
NA 2,4-DICHLOROPHENOL
NA 1,2,4-TRICHLOROBENZENE
NA NAPHTHALENE
NA 4-CHLOROANILINE
NA HEXACHLOROBUTADIENE
NA 4-CHLORO-3-METHYLPHENOL
NA 2-METHYLNAPHTHALENE
NA HEXACHLOROCYCLOPENTADIENE (HCCP)
NA 2,4,6-TRICHLOROPHENOL
NA 2,4,5-TRICHLOROPHENOL
NA 2-CHLORONAPHTHALENE
NA 2-NITROANILINE
NA DIMETHYL PHTHALATE
NA ACENAPHTHYLENE
NA 2,6-DINITROTOLUENE

3-NITROANILINE
NA ACENAPHTHENE
NA 2,4-DINITROPHENOL
NA 4-NITROPHENOL
NA DIBENZOFURAN
NA 2,4-DINITROTOLUENE
NA DIETHYL PHTHALATE
NA 4-CHLOROPHENYL PHENYL ETHER
NA FLUORENE
NA 4-NITROANILINE
NA 2-METHYL-4,6-DINITROPHENOL
NA N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
NA 4-BROMOPHENYL PHENYL ETHER
NA HEXACHLOROBENZENE (HCB)
NA PENTACHLOROPHENOL
NA PHENANTHRENE
NA ANTHRACENE
NA CARBAZOLE
NA DI-N-BUTYL PHTHALATE
NA FLUORANTHENE
NA PYRENE
NA BENZYL BUTYL PHTHALATE
NA 3,3'-DICHLOROBENZIDINE
NA BENZO(A)ANTHRACENE
NA CHRYSENE
NA BIS(2-ETHYLHEXYL) PHTHALATE
NA DI-N-OCTYL PHTHALATE
NA BENZO(B AND/OR K)FLUORANTHENE
NA BENZO-A-PYRENE
NA INDENO (1,2,3-CD) PYRENE
NA DIBENZO(A,H)ANTHRACENE
NA BENZO(GH)PERYLENE
NA PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69725 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: SD-04
 *** CASE NUMBER: 18341
 *** SAS NUMBER: 18341
 *** PROG ELEM: NSF COLLECTED BY: C. HELM
 *** CITY: HATIESBURG ST: MS
 *** COLLECTION START: 06/25/92 1245 STOP: 00/00/00
 *** D. NUMBER: DH75

UG/KG ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG

NA ALPHA-BHC
 NA BETA-BHC
 NA DELTA-BHC
 NA GAMMA-BHC (LINDANE)
 NA HEPTACHLOR
 NA ALDRIN
 NA HEPTACHLOR EPOXIDE
 NA ENDOSULFAN I (ALPHA)
 NA DIELDRIN
 NA 4,4'-DDE (P,P'-DDE)
 NA ENDRIN
 NA ENDOSULFAN II (BETA)
 NA 4,4'-DDD (P,P'-DDD)
 NA ENDOSULFAN SULFATE
 NA 4,4'-DDT (P,P'-DDT)

NA METHOXYCHLOR
 NA ENDRIN KETONE
 NA ENDRIN ALDEHYDE
 NA CHLORDANE (TECH. MIXTURE) /1
 NA GAMMA-CHLORDANE /2
 NA ALPHA-CHLORDANE /2
 NA TOXAPHENE
 NA PCB-1016 (AROCOR 1016)
 NA PCB-1221 (AROCOR 1221)
 NA PCB-1232 (AROCOR 1232)
 NA PCB-1242 (AROCOR 1242)
 NA PCB-1248 (AROCOR 1248)
 NA PCB-1254 (AROCOR 1254)
 NA PCB-1260 (AROCOR 1260)
 NA PERCENT MOISTURE

REMARKS

REMARKS

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

1 NOREGANICS

08/10/92

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

METALS DATA REPORT

PROJECT NO. 92-0629
SOURCE: HERCULES INC
STATION ID: SS-01
CASE NUMBER: 18341

SAS NUMBER:

SAMPLE NO. 69711 SAMPLE TYPE: SOIL

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/24/92 0855 ST
MD NUMBER: DC61

0855 STOP: 00/00/00

ANALYTICAL RESULTS

3900J	ALUMINUM
8.5U	ANTIMONY
3.7	ARSENIC
88J	BARIUM
.39	BERYLLIUM
.65U	CADMIUM
990	CALCIUM
5.1J	CHROMIUM
1.5	COBALT
20	COPPER
9000J	IRON
39J	LEAD
180	MAGNESIUM

MG/KG

ANALYTICAL RESULTS

MANGANESE
MERCURY
NICKEL
POTASSIUM
SELENIUM
SILVER
SODIUM
THALLIUM
TIN
VANADIUM
ZINC
PERCENT MOISTURE

*****REMARKS*****

REMARKS

FOOTNOTES

FOOTNOTES***

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

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

07/31/92

SPECIFIED ANALYSIS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69711 SAMPLE TYPE: SOIL ***
*** SOURCE: HERCULES INC ***
*** STATION ID: 55-01 ***
*** CASE NO.: 18341 ***
*** SAS NO.: ***
*** D. NO.: DH61 ***
*** COLLECTION START: 06/24/92 ***
*** CITY: HATIESBURG ***
*** COLLECTED BY: C HELM ***
*** ST: MS ***
*** STOP: 00/00/00 ***
*** MD NO: DC61 ***

RESULTS UNITS PARAMETER
.54U MG/KG CYANIDE

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

08/20/92

D. NUMBER: DH68

ANALYTICAL RESULTS

ANALYTICAL RESULTS

7100U	METHOXYCHLOR	
4300U	ENDRIN KETONE	
2000U	ENDRIN ALDEHYDE	
	CHLORDANE (TECH.	MIXTURE) /1
2700U	GAMMA-CHLORDANE	/2
1000U	ALPHA-CHLORDANE	/2
	TOXAPHENE	
2000U	PCB-1016 (AROCLOR	1016)
4100U	PCB-1221 (AROCLOR	1221)
2000U	PCB-1232 (AROCLOR	1232)
2000U	PCB-1242 (AROCLOR	1242)
2000U	PCB-1248 (AROCLOR	1248)
2000U	PCB-1254 (AROCLOR	1254)
2000U	PCB-1260 (AROCLOR	1260)
	PERCENT MOISTURE	
34		

REMARKS

FOOTNOTES***

- *NA-NOT ANALYZED
- *A-AVERAGE VALUE
- *K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
- *J-ESTIMATED VALUE
- *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
- *NAT-INTERFERENCES
- *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
- *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED THE NUMBER IS THE MINIMUM QUANTITATION LIMIT
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- *C-C-CONFIRMED BY GCMS
- 1. WHEN NO VALUE IS REPORTED SEE CHLORDANE CONSTITUENTS.

FOOTNOTES***

*NA-NOT ANALYZED *NAT-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*A-AVERAGE VALUE THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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*C-C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69718 SAMPLE TYPE: SOIL ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: SD-03 ***
 *** CASE NO.: 18341 ***
 *** SAS NO.: ***
 *** D. NO.: DH68 ***
 *** UG/KG ***
 *** ANALYTICAL RESULTS ***
 *** ANALYTICAL RESULTS ***
 *** UG/KG ***

PROG ELEM: NSF COLLECTED BY: C HELM
 CITY: HATIESBURG ST: MS
 COLLECTION START: 06/24/92 1815 STOP: 00/00/00

27000000	PHENOL	67000000	3-NITROANILINE
27000000	BIS(2-CHLOROETHYL) ETHER	27000000	ACENAPHTHENE
27000000	2-CHLOROPHENOL	27000000	2,4-DINITROPHENOL
27000000	1,3-DICHLOROBENZENE	27000000	4-NITROPHENOL
27000000	1,4-DICHLOROBENZENE	27000000	DIBENZOFURAN
27000000	1,2-DICHLOROBENZENE	27000000	2,4-DINITROTOLUENE
27000000	2-METHYLPHENOL	27000000	DIETHYL PHTHALATE
27000000	2,2'-CHLOROISOPROPYLETHYER	27000000	4-CHLOROPHENYL PHENYL ETHER
27000000	(3-AND/OR 4-METHYLPHENOL	27000000	FLUORENE
27000000	N-NITROSODI-N-PROPYLAMINE	27000000	4-NITROANILINE
27000000	HEXACHLOROETHANE	27000000	2-METHYL-4,6-DINITROPHENOL
27000000	NITROBENZENE	27000000	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
27000000	ISOPHORONE	27000000	4-BROMOPHENYL PHENYL ETHER
27000000	2-NITROPHENOL	27000000	HEXACHLOROBENZENE (HCB)
27000000	2,4-DIMETHYLPHENOL	27000000	PENTACHLOROPHENOL
27000000	BIS(2-CHLOROETHOXY) METHANE	27000000	PHENANTHRENE
27000000	2,4-DICHLOROPHENOL	27000000	ANTHRACENE
27000000	1,2,4-TRICHLOROBENZENE	27000000	CARBAZOLE
27000000	NAPHTHALENE	27000000	DI-N-BUTYL PHTHALATE
27000000	4-CHLOROANILINE	27000000	FLUORANTHENE
27000000	HEXACHLOROBUTADIENE	27000000	PYRENE
27000000	4-CHLORO-3-METHYLPHENOL	27000000	BENZYL BUTYL PHTHALATE
27000000	2-METHYLNAPHTHALENE	27000000	3,3'-DICHLOROBENZIDINE
27000000	HEXACHLOROCYCLOPENTADIENE (HCCP)	27000000	BENZO(A)ANTHRACENE
27000000	2,4,6-TRICHLOROPHENOL	27000000	CHRYSENE
27000000	2,4,5-TRICHLOROPHENOL	27000000	BIS(2-ETHYLHEXYL) PHTHALATE
27000000	2-CHLORONAPHTHALENE	27000000	DI-N-OCTYL PHTHALATE
27000000	2-NITROANILINE	27000000	BENZO(B AND/OR K)FLUORANTHENE
27000000	DIMETHYL PHTHALATE	27000000	BENZO-A-PYRENE
27000000	ACENAPHTHYLENE	27000000	INDENO (1,2,3-CD) PYRENE
27000000	2,6-DINITROTOLUENE	27000000	DIBENZO(A,H)ANTHRACENE
		27000000	BENZO(GHI)PERYLENE
		27000000	PERCENT MOISTURE
		34	

REMARKS

REMARKS

FOOTNOTES

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

08/10/92

METALS DATA REPORT

*** PROJECT NO. 92-0629 *** SAMPLE NO. 69712 *** SAMPLE TYPE: SOIL ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: SB-01 ***
 *** CASE NUMBER: 18341 *** SAS NUMBER: ***

PROG ELEM: NSF
 CITY: HATIESBURG
 COLLECTION START: 06/24/92 0925 STOP: 00/00/00
 MD NUMBER: DC62

ANALYTICAL RESULTS		ANALYTICAL RESULTS	
MG/KG		MG/KG	
1800J	ALUMINUM	30J	MANGANESE
9.5U	ANTIMONY	.12U	MERCURY
.98U	ARSENIC	1.7U	NICKEL
9.1J	BARIUM	87J	POTASSIUM
.24U	BERYLLIUM	.49U	SELENIUM
.73U	CADMIUM	2U	SILVER
96	CALCIUM	210U	SODIUM
4.6J	CHROMIUM	.73U	THALLIUM
1.2U	COBALT	NA	TIN
2.2U	COPPER	4.1	VANADIUM
1100J	IRON	30J	ZINC
2.5J	LEAD	18	PERCENT MOISTURE
84	MAGNESIUM		

REMARKS

REMARKS

FOOTNOTES

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

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

07/31/92

SPECIFIED ANALYSIS DATA REPORT

** PROJECT NO. 92-0629 SAMPLE NO. 69712 SAMPLE TYPE: SOIL
** SOURCE: HERCULES INC
** STATION ID: SB-01
** CASE NO.: 18341
** SAS NO.:

PROG ELEM: NSF COLLECTED BY: C HELM
CITY: HATIESBURG ST: MS
COLLECTION START: 06/24/92 0925 STOP: 00/00/00
D. NO.: DH62 MD NO: DC62

RESULTS UNITS PARAMETER
.61U MG/KG CYANIDE

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

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

08/10/92

METALS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69719 SAMPLE TYPE: SOIL
 *** SOURCE: HERCULES INC
 *** STATION ID: 55-02
 *** CASE NUMBER: 18341 SAS NUMBER:
 *** PROG ELEM: NSF COLLECTED BY: C HELM
 *** CITY: HATTIESBURG ST: MS
 *** COLLECTION START: 06/24/92 1915 STOP: 00/00/00
 *** MD NUMBER: DC69

ANALYTICAL RESULTS

MG/KG ALUMINUM 1700J
 9.3U ANTIMONY
 2.8 ARSENIC
 80J BARIUM
 .24U BERYLLIUM
 2.4 CADMIUM
 3100 CALCIUM
 12J CHROMIUM
 260 COBALT
 820 COPPER
 9600J IRON
 370J LEAD
 1200 MAGNESIUM

MG/KG

MANGANESE 170J
 MERCURY .35
 NICKEL 460
 POTASSIUM 240
 SELENIUM .47U
 SILVER 1.9U
 SODIUM 960
 THALLIUM .71U
 TIN NA
 VANADIUM 5.2
 ZINC 390J
 PERCENT MOISTURE 16

ANALYTICAL RESULTS

REMARKS

REMARKS

FOOTNOTES

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07/31/92

SPECIFIED ANALYSIS DATA REPORT

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*****
PROJECT NO      02-0620
SAMPLER NO      69719
SAMPLER TYPE    SOIL
PROG ELEM: NSF
COLLECTED BY: C HELM
*****

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 ** PROJECT NO. 92-0629
 SAMPLE NO. 69719 SAMPLE TYPE: SOIL
 PROG ELEM: NSF COLLECTED BY: C HELM
 CITY: WATFESBURG ST: MS

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*****
SOURCE: HERCULES INC
STATION ID: 55-02
COLLECTION START: 06/24/92 191515 STOP: 00/00/00
CITY: HATFIELD
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*** SAS NO.: DH69
*** D. NO.: DC69
*** MD NO: DC69
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RESULTS	UNITS	PARAMETER
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.590 MG/KG CYANIDE

FOOTNOTES

- *A-AVERAGE VALUE IS KNOWN TO BE LESS THAN AVERAGE VALUE
- *A-NOT ANALYZED
- *NAT-INTERFERENCES *J-ESTIMATED VALUE
- *NA-IIF GIVEN #1 -ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE
- *NP-PRESCRIPTIVE EVIDENCE GIVEN
- *N-PROBATIVE EVIDENCE GIVEN
- *N-RESERVE OF MATTER

*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN ZERO
*IL-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED.
THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

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

08/10/92

METALS DATA REPORT

*** PROJECT NO. 92-0629 *** SAMPLE NO. 69720 *** SAMPLE TYPE: SOIL ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: 55-03 ***
 *** CASE NUMBER: 18341 *** SAS NUMBER: ***

PROG ELEM: NSF COLLECTED BY: C HELM
 CITY: HATIESBURG ST: MS
 COLLECTION START: 06/25/92 0725 STOP: 00/00/00
 MD NUMBER: DC70

ANALYTICAL RESULTS

ANALYTICAL RESULTS

MG/KG

92J MANGANESE
 .13U MERCURY
 1.8U NICKEL
 130 POTASSIUM
 .51U SELENIUM
 2.1U SILVER
 220U SODIUM
 .77U THALLIUM
 NA TIN
 10 VANADIUM
 16J ZINC
 22 PERCENT MOISTURE

MG/KG

4000J ALUMINUM
 10U ANTIMONY
 2U ARSENIC
 26J BARIUM
 .26U BERYLLIUM
 .77U CADMIUM
 1100 CALCIUM
 5.1J CHROMIUM
 1.3U COBALT
 7.1 COPPER
 5100J IRON
 22J LEAD
 240 MAGNESIUM

REMARKS

REMARKS

FOOTNOTES

*A-AVERAGE VALUE
 *K-ACTUAL VALUE
 *U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
 *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

*NA-NOT ANALYZED
 *J-ESTIMATED VALUE
 *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
 *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN

07/31/92

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SPECIFIED ANALYSIS DATA REPORT
*****
PROJECT NO. 92-0629      SAMPLE NO. 69720  SAMPLE TYPE: SOIL
SOURCE: HERCULES INC
STATION ID: 55-03
CASE NO.: 18341

SAS NO.:

*****
PROG ELEM: NSF          COLLECTED BY: C HELM
CITY: HATTIESBURG      ST: MS
COLLECTION START: 06/25/92 0725  STOP: 00/00/00
D. NO.: DH70           MD NO: DC70
*****

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***
*** PROJECT NO. 92-0629 SAMPLE NO. 69720 SAMPLE TYPE: SOIL
*** SOURCE: HERCULES INC
*** STATION ID: SS-03
*** CASE NO. 18341
***
*** PROG ELEM: NSF COLLECTED BY: C. HELM
*** CITY: HATTIESBURG ST: MS
*** COLLECTION START: 06/25/92 O725 STOP: 00/00/00
*** D. NO.: DH70 MD NO: DC70
***
*** SAS NO.:
***

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SAS NO.:

RESULTS	UNITS	PARAMETER
.64U	MG/KG	CYANIDE

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

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

08/10/92

METALS DATA REPORT

*** PROJECT NO. 92-0629 ***
 *** SOURCE: HERCULES INC ***
 *** STATION ID: SS-04 ***
 *** CASE NUMBER: 18341 ***

SAMPLE NO. 69721 SAMPLE TYPE: SOIL

PROG ELEM: NSF
 CITY: HATIESBURG
 COLLECTION START: 06/25/92 0845
 MD NUMBER: DC71

COLLECTED BY: C. HELM
 ST: MS
 STOP: 00/00/00

ANALYTICAL RESULTS

MG/KG

2300J ALUMINUM
 8.1U ANTIMONY
 2U ARSENIC
 41J BARIUM
 .21U BERYLLIUM
 .62U CADMIUM
 570 CALCIUM
 14J CHROMIUM
 1U COBALT
 11 COPPER
 3500J IRON
 20J LEAD
 120 MAGNESIUM

ANALYTICAL RESULTS

74J MANGANESE
 .10U MERCURY
 1.5U NICKEL
 150 POTASSIUM
 .42U SELENIUM
 1.7U SILVER
 180U SODIUM
 .62U THALLIUM
 NA TIN
 6.3 VANADIUM
 11J ZINC
 04 PERCENT MOISTURE

REMARKS

REMARKS

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

07/31/92

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SPECIFIED ANALYSIS DATA REPORT
*****
PROJECT NO. 92-0629
SOURCE: HERCULES INC
STATION ID: 55-04
CASE NO.: 18341

SAMPLE NO. 69721 SAMPLE TYPE: SOIL

PROG ELEM: NSF COLLECTED BY: C. HELM
CITY: HATTIESBURG ST: MS
COLLECTION START: 06/25/92 0845 STOP: 00/00/00
D. NO.: DH71 MD NO: DC71

SAS NO.:

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RESULTS	UNITS	PARAMETER
.52U	MG/KG	CYANIDE

*****FOOTNOTES*****
 *A-AVERAGE VALUE *NA-NOT ANALYZED *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
 *II-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

08/10/92

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METALS DATA REPORT
*****
PROJECT NO. 92-0629
CITY: HATIESBURG
SOURCE: HERCULES INC
STATION ID: 55-05
CASE NUMBER: 18341

SAMPLE NO. 69722 SAMPLE TYPE: SOIL

PROG ELEM: NSF
CITY: HATIESBURG
COLLECTION START: 06/25/92
MD NUMBER: DC72

COLLECTED BY: C HELM
ST: MS
STOP: 00/00/00

SAS NUMBER:

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*****  
STATION ID: SS-05  
CASE NUMBER: 18341  
SAS NUMBER:  
WD NUMBER: DC72  
*****
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	MG/KG	ANALYTICAL RESULTS	MANCANESE	ANALYTICAL RESULTS
000	000	000	000	000

ANALYTICAL RESULTS		MG/KG	
ALUMINUM	4500J	MANGANESE	300J
ANTIMONY	8.4U	MERCURY	.11U
ARSENIC	2U	NICKEL	1.5U
BARIUM	27J	POTASSIUM	120
BERYLLIUM	.22U	SELENIUM	1U
CADMIUM	.65U	SILVER	1.7U
CALCIUM	230	SODIUM	180U
CHROMIUM	4.5J	THALLIUM	.65U
COBALT	2.3	TIN	NA
COPPER	3.2	VANADIUM	8.9
IRON	3900J	ZINC	11J
LEAD	14J	PERCENT MOISTURE	08
MAGNESIUM	160		

COPPER
3.2
3900J

*****REMARKS*****

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

07/31/92

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SPECIFIED ANALYSIS DATA REPORT
*****
PROJECT NO. 92-0629      SAMPLE NO. 69722      SAMPLE TYPE: SOIL
SOURCE: HERCULES INC
STATION ID: 55-05
CASE NO.: 18341

SAS NO.:

*****
PROG ELEM: NSF          COLLECTED BY: C. HELM
CITY: HATTIESBURG      ST: MS
COLLECTION START: 06/25/92  O945      STOP: 00/00/00
D. NO.: DH72          MD NO: DC72
*****

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RESULTS	UNITS	PARAMETER
.54U	MG/KG	CYANIDE

FOOTNOTES

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

08/10/92

METALS DATA REPORT
*** PROJECT NO. 92-0629
*** SOURCE: HERCULES INC
*** STATION ID: 58-05
*** CASE NUMBER: 18341
*** SAMPLE NO. 69723
*** SAMPLE TYPE: SOIL
*** SAS NUMBER:
*** ANALYTICAL RESULTS

MG/KG	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM	COBALT	COPPER	IRON	LEAD	MAGNESIUM
6800J	9.5U	2U	26J	.26	.73U	55	5.1J	1.9J	3.1	6200J	21J	260	
MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
80J	MANGANESE	12U	MERCURY	1.7U	NICKEL	190	POTASSIUM	.49U	SELENIUM	2U	SILVER	1800	SODIUM
												.73U	THALLIUM
												NA	TIN
												10	VANADIUM
												8.7J	ZINC
												18	PERCENT MOISTURE

REMARKS

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

07/31/92

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SPECIFIED ANALYSIS DATA REPORT
***
PROJECT NO. 92-0629   SAMPLE NO. 69723   SAMPLE TYPE: SOIL
***
SOURCE: HERCULES INC
***
STATION ID: SB-05
***
CASE NO.: 18341
***
SAS NO.:
***
D. NO.: DH73
***
COLLECTION START: 06/25/92
***
O955
***
MD NO: DC73
***
CITY: HATTIESBURG
***
ST: MS
***
PROG ELEM: NSF
***
COLLECTED BY: C HELM
***

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RESULTS	UNITS	PARAMETER
.61U	MG/KG	CYANIDE

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

SUKHLE WALKER CKGATVILUJ

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

08/26/92

PURGEABLE ORGANICS DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69715 SAMPLE TYPE: SURFACEWA
*** SOURCE: HERCULES INC
*** STATION ID: SW-01
*** COLLECTION START: 06/24/92 1610 STOP: 00/00/00

*** CASE NO.: 18341 SAS NO.: D. NO.: DH65
*** ANALYTICAL RESULTS UG/L ANALYTICAL RESULTS

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

REMARKS

REMARKS

FOOTNOTES

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

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

*** PROJECT NO. 92-0629 SAMPLE NO. 69715 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: C HELM ***
 *** SOURCE: HERCULES INC CITY: HATIESBURG ST: MS ***
 *** STATION ID: SW-01 COLLECTION START: 06/24/92 1610 STOP: 00/00/00 ***
 *** CASE NUMBER: 18341 D. NUMBER: DH65 ***

SAS NUMBER:

UG/L ANALYTICAL RESULTS

UG/L ANALYTICAL RESULTS

NA ALPHA-BHC
 NA BETA-BHC
 NA DELTA-BHC
 NA GAMMA-BHC (LINDANE)
 NA HEPTACHLOR
 NA ALDRIN
 NA HEPTACHLOR EPOXIDE
 NA ENDOSULFAN I (ALPHA)
 NA DIELDRIN
 NA 4,4'-DDE (P,P'-DDE)
 NA ENDRIN
 NA ENDOSULFAN II (BETA)
 NA 4,4'-DDD (P,P'-DDD)
 NA ENDOSULFAN SULFATE
 NA 4,4'-DDT (P,P'-DDT)

NA METHOXYCHLOR
 NA ENDRIN KETONE
 NA ENDRIN ALDEHYDE
 NA CHLORDANE (TECH. MIXTURE) /1
 NA GAMMA-CHLORDANE /2
 NA ALPHA-CHLORDANE /2
 NA TOXAPHENE
 NA PCB-1016 (AROCOR 1016)
 NA PCB-1221 (AROCOR 1221)
 NA PCB-1232 (AROCOR 1232)
 NA PCB-1242 (AROCOR 1242)
 NA PCB-1248 (AROCOR 1248)
 NA PCB-1254 (AROCOR 1254)
 NA PCB-1260 (AROCOR 1260)

REMARKS

REMARKS

FOOTNOTES

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