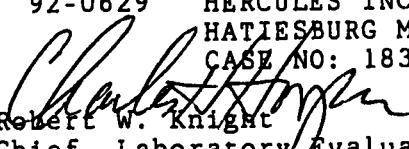


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 08/21/92

SUBJECT: Results of Pesticide/PCB Analysis;  
92-0629 HERCULES INC  
HATTIESBURG MS  
CASE NO: 18341

FROM:   
Robert W. Knight  
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

ORGANIC DATA QUALIFIER REPORT

Case Number 18341 Project Number 92-0629 SAS Number  
 Site ID. Hercules, Inc., Hattiesburg, MS.

| <u>Affected Samples</u> | <u>Compound or Fraction</u> | <u>Flag Used</u> | <u>Reason</u>                              |
|-------------------------|-----------------------------|------------------|--|
| <u>Volatiles</u>        |                             |                  |  |
| 69710                   | bromodichloromethane        | J                | <quantitation limit                        |
|                         | dibromochloromethane        | J                | <quantitation limit                        |
| 69719                   | acetone                     | J                | >quantitation range                        |
|                         | benzene                     | J                | <quantitation limit                        |
|                         | 4-methyl-2-pentanone        | J                | <quantitation limit in dilution            |
|                         | ethylbenzene                | J                | <quantitation limit                        |
| 69721                   | toluene                     | J                | <quantitation limit                        |
| 69723                   | xylenes                     | J                | <quantitation limit                        |
| <u>Extractables</u>     |                             |                  |  |
| 69711,69721             | phenanthrene                | J                | <quantitation limit                        |
| 69711                   | fluoranthene                | J                | <quantitation limit                        |
|                         | pyrene                      | J                | <quantitation limit                        |
| 69711,69717             | 3-nitroaniline              | R                | low response factor                        |
| 69714                   | all acids                   | R                | unacceptable surrogate                     |
| <u>Pesticides</u>       |                             |                  |  |
| 69711                   | gamma-chlordane             | N                | difference between column<br>quantitations |
|                         | gamma-BHC                   | J                | <quantitation limit                        |
|                         | aldrin                      | J                | <quantitation limit                        |
| 69717                   | methoxychlor                | J                | <quantitation limit                        |
| 69719                   | endosulfan sulfate          | N                | difference between column<br>quantitations |
|                         | endrin aldehyde             | N                | difference between column<br>quantitations |
| 69714                   | alpha-chlordane             | J                | <quantitation limit                        |
|                         | alpha-chlordane             | N                | difference between column<br>quantitations |
|                         | aroclor 1260                | J                | <quantitation limit                        |

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. 69710 SAMPLE TYPE: GROUNDWA  
 \*\* SOURCE: HERCULES INC  
 \*\* STATION ID: TB-01  
 \*\* CASE NUMBER: 18341  
 \*\*\* SAS NUMBER: 18341

PROG ELEM: NSF COLLECTED BY: C HELM  
 CITY: HATTIESBURG ST: MS  
 COLLECTION START: 06/24/92 0725 STOP: 00/00/00  
 D. NUMBER: DH60

\*\*\* UG/L ANALYTICAL RESULTS \*\*\* UG/L ANALYTICAL RESULTS \*\*\*

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

0.50U METHOXYCHLOR  
 0.10U ENDRIN KETONE  
 0.10U ENDRIN ALDEHYDE  
 CHLORDANE (TECH. MIXTURE) /1  
 0.050U GAMMA-CHLORDANE /2  
 0.050U ALPHA-CHLORDANE /2  
 5.0U TOXAPHENE  
 1.0U PCB-1016 (AROCLOR 1016)  
 2.0U PCB-1221 (AROCLOR 1221)  
 1.0U PCB-1232 (AROCLOR 1232)  
 1.0U PCB-1242 (AROCLOR 1242)  
 1.0U PCB-1248 (AROCLOR 1248)  
 1.0U PCB-1254 (AROCLOR 1254)  
 1.0U PCB-1260 (AROCLOR 1260)

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 92-0629 SAMPLE NO. 69711 SAMPLE TYPE: SOIL  
 SOURCE: HERCULES INC  
 STATION ID: 55-01  
 CASE NUMBER: 18341  
 SAS NUMBER: 18341

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

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)  
 9.61 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  
 26 ALPHA-CHLORDANE /2  
 920U TOXAPHENE  
 180U PCB-1016 (AROCLOR 1016)  
 360U PCB-1221 (AROCLOR 1221)  
 180U PCB-1232 (AROCLOR 1232)  
 180U PCB-1242 (AROCLOR 1242)  
 180U PCB-1248 (AROCLOR 1248)  
 180U PCB-1254 (AROCLOR 1254)  
 180U PCB-1260 (AROCLOR 1260)  
 9 PERCENT MOISTURE

\*\*\*\*REMARKS\*\*\*\*

\*\*\*\*REMARKS\*\*\*\*

\*\*\*FOOTNOTES\*\*\*  
 \*A-AVERAGE VALUE IS KNOWN TO BE LESS 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  
 \*R-OC INDICATES THAT DATA UNUSABLE. 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.  
 \*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  
 \*NAI-INTERFERENCES  
 \*R-OC INDICATES THAT DATA UNUSABLE. 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT  
 \*C-CONFIRMED BY GCMS

| ANALYTICAL RESULTS |                      | ANALYTICAL RESULTS |                              |
|--------------------|----------------------|--------------------|------------------------------|
| UG/K               |                      | UG/KG              |                              |
| 2.0U               | ALPHA-BHC            | 20U                | METHOXYCHLOR                 |
| 2.0U               | BETA-BHC             | 3.9U               | ENDRIN KETONE                |
| 2.0U               | DELTA-BHC            | 3.9U               | ENDRIN ALDEHYDE              |
| 2.0U               | GAMMA-BHC (LINDANE)  |                    | CHLORDANE (TECH. MIXTURE) /1 |
| 2.0U               | HEPTACHLOR           | 2.0U               | GAMMA-CHLORDANE /2           |
| 2.0U               | ALDRIN               | 2.00U              | ALPHA-CHLORDANE /2           |
| 2.0U               | HEPTACHLOR EPOXIDE   | 39U                | TOXAPHENE                    |
| 2.0U               | ENDOSULFAN I (ALPHA) | 79U                | PCB-1016 (AROCLOR 1016)      |
| 3.9U               | DIELDRIN             | 39U                | PCB-1221 (AROCLOR 1221)      |
| 3.9U               | 4.4'-DDE (P,P'-DDE)  | 39U                | PCB-1232 (AROCLOR 1232)      |
| 3.9U               | ENDRIN               | 39U                | PCB-1242 (AROCLOR 1242)      |
| 3.9U               | ENDOSULFAN II (BETA) | 39U                | PCB-1248 (AROCLOR 1248)      |
| 3.9U               | 4.4'-DDD (P,P'-DDD)  | 39U                | PCB-1254 (AROCLOR 1254)      |
| 3.9U               | ENDOSULFAN SULFATE   | 39U                | PCB-1260 (AROCLOR 1260)      |
| 3.9U               | 4.4'-DDT (P,P'-DDT)  | 17                 | PERCENT MOISTURE             |

\*\*\*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 \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
\*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.

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

08/20/92

PESTICIDES/PCB'S DATA REPORT

\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69713 SAMPLE TYPE: GROUNDWA  
 \*\*\* SOURCE: HERCULES INC  
 \*\*\* STATION ID: TW-01  
 \*\*\* CASE NUMBER: 18341  
 \*\*\* SAS NUMBER:  
 \*\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
 \*\*\* CITY: HATTIESBURG ST: MS  
 \*\*\* COLLECTION START: 06/24/92 1045 STOP: 00/00/00  
 \*\*\* D. NUMBER: DH63

UG/L ANALYTICAL RESULTS

0.050U ALPHA-BHC  
 0.050U BETA-BHC  
 0.050U DELTA-BHC  
 0.050U GAMMA-BHC (LINDANE)  
 0.050U HEPTACHLOR  
 0.050U ALDRIN  
 0.050U HEPTACHLOR EPOXIDE  
 0.050U ENDOSULFAN I (ALPHA)  
 0.100U DIELDRIN  
 0.100U 4,4'-DDE (P,P'-DDE)  
 0.100U ENDRIN  
 0.100U ENDOSULFAN II (BETA)  
 0.100U 4,4'-DDD (P,P'-DDD)  
 0.100U ENDOSULFAN SULFATE  
 0.100U 4,4'-DDT (P,P'-DDT)

UG/L ANALYTICAL RESULTS

0.50U METHOXYCHLOR  
 0.10U ENDRIN KETONE  
 0.10U ENDRIN ALDEHYDE  
 CHLORDANE (TECH. MIXTURE) /1  
 GAMMA-CHLORDANE /2  
 ALPHA-CHLORDANE /2  
 0.050U TOXAPHENE  
 0.50U PCB-1016 (AROCLOR 1016)  
 1.00U PCB-1221 (AROCLOR 1221)  
 2.00U PCB-1232 (AROCLOR 1232)  
 1.00U PCB-1242 (AROCLOR 1242)  
 1.00U PCB-1248 (AROCLOR 1248)  
 1.00U PCB-1254 (AROCLOR 1254)  
 1.00U PCB-1260 (AROCLOR 1260)

\*\*\*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-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  
 \*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-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

PESTICIDES/PCB'S DATA REPORT

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

UG/KG ANALYTICAL RESULTS

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  
 4.2U 4,4'-DDE (P,P'-DDE)  
 4.2U ENDRIN  
 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)

UG/KG ANALYTICAL RESULTS

22U METHOXYCHLOR  
 4.2U ENDRIN KETONE  
 4.2U ENDRIN ALDEHYDE  
 CHLORDANE (TECH. MIXTURE) /1  
 GAMMA-CHLORDANE /2  
 ALPHA-CHLORDANE /2  
 2.2U TOXAPHENE  
 1.7JN  
 220U  
 42U PCB-1016 (AROCLOR 1016)  
 85U PCB-1221 (AROCLOR 1221)  
 42U PCB-1232 (AROCLOR 1232)  
 42U PCB-1242 (AROCLOR 1242)  
 42U PCB-1248 (AROCLOR 1248)  
 42U PCB-1254 (AROCLOR 1254)  
 39J PCB-1260 (AROCLOR 1260)  
 22 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-CC INDICATES THAT DATA UNUSABLE. 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.  
 \*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-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*NAI-INTERFERENCES  
 \*R-CC INDICATES THAT DATA UNUSABLE. 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT  
 \*J-ESTIMATED VALUE  
 \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*A-AVERAGE VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN

08/20/92

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

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

\*\*\* UG/L ANALYTICAL RESULTS \*\*\* UG/L ANALYTICAL RESULTS \*\*\*

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

\*\*\*REMARKS\*\*\*

\*\*\*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  
\*NAT-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  
\*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



08/20/92

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

PESTICIDES/PCB'S DATA REPORT

\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69716 SAMPLE TYPE: SURFACEWA  
\*\*\* SOURCE: HERCULES INC  
\*\*\* STATION ID: SW-2  
\*\*\* CASE NUMBER: 18341  
\*\*\* SAS NUMBER:  
\*\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
\*\*\* CITY: HATTIESBURG ST: MS  
\*\*\* COLLECTION START: 06/24/92 1700 STOP: 00/00/00  
\*\*\* D. NUMBER: DH66

\*\*\* UG/L ANALYTICAL RESULTS \*\*\*  
\*\*\* UG/L ANALYTICAL RESULTS \*\*\*

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

\*\*\*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.
- \*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
- \*E-VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
- \*M-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
- \*R-INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
- \*C-CONFIRMED BY GCMS
- \*1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.

PESTICIDES/PCB'S DATA REPORT  
\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69717 SAMPLE TYPE: SOIL  
\*\*\* SOURCE: HERCULES INC  
\*\*\* STATION ID: SD-02  
\*\*\* CASE NUMBER: 18341  
\*\*\* SAS NUMBER: 18341  
\*\*\*

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

|      |                      |      |                              |
|------|----------------------|------|------------------------------|
| 2.2U | ALPHA-BHC            | 3.6J | METHOXYCHLOR                 |
| 2.2U | BETA-BHC             | 4.2U | ENDRIN KETONE                |
| 2.2U | DELTA-BHC            | 4.2U | ENDRIN ALDEHYDE              |
| 2.2U | GAMMA-BHC (LINDANE)  | 2.2U | CHLORDANE (TECH. MIXTURE) /1 |
| 2.2U | HEPTACHLOR           | 2.2U | GAMMA-CHLORDANE /2           |
| 2.2U | ALDRIN               | 220U | TOXAPHENE                    |
| 2.2U | HEPTACHLOR EPOXIDE   | 42U  | PCB-1016 (AROCLOR 1016)      |
| 2.2U | ENDOSULFAN I (ALPHA) | 85U  | PCB-1221 (AROCLOR 1221)      |
| 4.2U | DIELDRIN             | 42U  | PCB-1232 (AROCLOR 1232)      |
| 2.2J | 4,4'-DDE (P,P'-DDE)  | 42U  | PCB-1242 (AROCLOR 1242)      |
| 4.2U | ENDRIN               | 42U  | PCB-1248 (AROCLOR 1248)      |
| 4.2U | ENDOSULFAN II (BETA) | 42U  | PCB-1254 (AROCLOR 1254)      |
| 4.2U | 4,4'-DDD (P,P'-DDD)  | 42U  | PCB-1260 (AROCLOR 1260)      |
| 4.2U | ENDOSULFAN SULFATE   |      |                              |
| 4.2U | 4,4'-DDT (P,P'-DDT)  | 21   | 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-OC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
\*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.

\*\* CASE NUMBER: 18341 SAS NUMBER: D. NUMBER: DH68

ANALYTICAL RESULTS ANALYTICAL RESULTS

| UG/KG | ANALYTICAL RESULTS   | UG/KG  | ANALYTICAL RESULTS           |
|-------|----------------------|--------|------------------------------|
| 1000  | ALPHA-BHC            | 71000  | METHOXYCHLOR                 |
| 1000  | BETA-BHC             | 4300   | ENDRIN KETONE                |
| 1000  | DELTA-BHC            | 2000   | ENDRIN ALDEHYDE              |
| 1000  | GAMMA-BHC (LINDANE)  |        | CHLORDANE (TECH. MIXTURE) /1 |
| 2100  | HEPTACHLOR           | 27000  | GAMMA-CHLORDANE /2           |
| 3100  | ALDRIN               | 1000   | ALPHA-CHLORDANE /2           |
| 1000  | HEPTACHLOR EPOXIDE   | 100000 | TOXAPHENE                    |
| 4300  | ENDOSULFAN I (ALPHA) | 20000  | PCB-1016 (AROCLOR 1016)      |
| 4700  | DIELDRIN             | 41000  | PCB-1221 (AROCLOR 1221)      |
| 2000  | 4,4'-DDE (P,P'-DDE)  | 20000  | PCB-1232 (AROCLOR 1232)      |
| 2000  | ENDRIN               | 20000  | PCB-1242 (AROCLOR 1242)      |
| 2000  | ENDOSULFAN II (BETA) | 20000  | PCB-1248 (AROCLOR 1248)      |
| 2000  | 4,4'-DDD (P,P'-DDD)  | 20000  | PCB-1254 (AROCLOR 1254)      |
| 18000 | ENDOSULFAN SULFATE   | 20000  | PCB-1260 (AROCLOR 1260)      |
| 6500  | 4,4'-DDT (P,P'-DDT)  | 34     | PERCENT MOISTURE             |

\*\*\*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
- \*NAI-INTERFERENCES
- \*J-ESTIMATED VALUE
- \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL KNOWN TO BE GREATER 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.
- 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.

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: 55-02  
 CASE NUMBER: 18341  
 SAS NUMBER: 18341  
 PROG ELEM: NSF COLLECTED BY: C HELM  
 CITY: HATIESBURG ST: MS  
 COLLECTION START: 06/24/92 1915 STOP: 00/00/00  
 D. NUMBER: DH69

ANALYTICAL RESULTS

ANALYTICAL RESULTS

UG/KG  
 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  
 4000U TOXAPHENE  
 780U PCB-1016 (AROCLOR 1016)  
 780U PCB-1221 (AROCLOR 1221)  
 780U PCB-1232 (AROCLOR 1232)  
 780U PCB-1242 (AROCLOR 1242)  
 780U PCB-1248 (AROCLOR 1248)  
 780U PCB-1254 (AROCLOR 1254)  
 780U PCB-1260 (AROCLOR 1260)  
 17 PERCENT MOISTURE

\*\*\*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  
 \*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

PESTICIDES/PCB'S DATA REPORT

\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69720 SAMPLE TYPE: SOIL  
 \*\*\* SOURCE: HERCULES INC  
 \*\*\* STATION ID: S5-03  
 \*\*\* CASE NUMBER: 18341  
 \*\*\* SAS NUMBER:  
 \*\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
 \*\*\* CITY: HATTIESBURG ST: MS  
 \*\*\* COLLECTION START: 06/25/92 0725 STOP: 00/00/00  
 \*\*\* D. NUMBER: DH70

UG/KG ANALYTICAL RESULTS

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)

UG/KG ANALYTICAL RESULTS

60U METHOXYCHLOR  
 67 ENDRIN KETONE  
 4.2U ENDRIN ALDEHYDE  
 CHLORDANE (TECH. MIXTURE) /1  
 2.4U GAMMA-CHLORDANE /2  
 2.2U ALPHA-CHLORDANE /2  
 220U TOXAPHENE  
 42U PCB-1016 (AROCLOR 1016)  
 86U PCB-1221 (AROCLOR 1221)  
 42U PCB-1232 (AROCLOR 1232)  
 42U PCB-1242 (AROCLOR 1242)  
 42U PCB-1248 (AROCLOR 1248)  
 42U PCB-1254 (AROCLOR 1254)  
 42U PCB-1260 (AROCLOR 1260)  
 22 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  
 \*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-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  
 \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
 \*C-CONFIRMED BY GCMS

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: S5-04  
 \*\*\* CASE NUMBER: 18341  
 \*\*\* SAS NUMBER:  
 \*\*\* 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 ANALYTICAL RESULTS

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

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. 69722 SAMPLE TYPE: SOIL  
 \*\*\* SOURCE: HERCULES INC  
 \*\*\* STATION ID: 55-05  
 \*\*\* CASE NUMBER: 18341  
 \*\*\* SAS NUMBER:  
 \*\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
 \*\*\* CITY: HATIESBURG ST: MS  
 \*\*\* COLLECTION START: 06/25/92 0945 STOP: 00/00/00  
 \*\*\* D. NUMBER: DH72

UG/KG ANALYTICAL RESULTS

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)

UG/KG

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

ANALYTICAL RESULTS

\*\*\*\*REMARKS\*\*\*\*

\*\*\*\*REMARKS\*\*\*\*

\*\*\*FOOTNOTES\*\*\*  
 \*A-AVERAGE VALUE IS KNOWN TO BE LESS 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.  
 \*R-QC 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  
 \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*R-OC INDICATES THAT DATA UNUSABLE. 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.  
 \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*J-ESTIMATED VALUE  
 \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*R-OC INDICATES THAT DATA UNUSABLE. 1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.  
 \*C-CONFIRMED BY GCMS

08/20/92

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

PESTICIDES/PCB'S DATA REPORT

\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69723 SAMPLE TYPE: SOIL  
\*\*\* SOURCE: HERCULES INC  
\*\*\* STATION ID: SB-05  
\*\*\* CASE NUMBER: 18841  
\*\*\* SAS NUMBER: 18841  
\*\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
\*\*\* CITY: HATTIESBURG ST: MS  
\*\*\* COLLECTION START: 06/25/92 0955 STOP: 00/00/00  
\*\*\* D. NUMBER: DH73

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

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

\*\*\*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 WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*U-MATERIAL THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
\*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

PESTICIDES/PCB'S DATA REPORT

\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69724 SAMPLE TYPE: GROUNDWA  
 \*\*\* SOURCE: HERCULES INC  
 \*\*\* STATION ID: TW-05  
 \*\*\* CASE NUMBER: 18341  
 \*\*\* SAS NUMBER:  
 \*\*\* COLLECTION START: 06/25/92 1050 STOP: 00/00/00  
 \*\*\* D. NUMBER: DH74  
 \*\*\* CITY: HATIESBURG  
 \*\*\* COLLECTED BY: C HELM  
 \*\*\* ST: MS

\*\*\* UG/L ANALYTICAL RESULTS

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

\*\*\* UG/L ANALYTICAL RESULTS

0.50U METHOXYCHLOR  
 0.10U ENDRIN KETONE  
 0.10U ENDRIN ALDEHYDE  
 --- CHLORDANE (TECH. MIXTURE) /1  
 0.050U GAMMA-CHLORDANE /2  
 0.050U ALPHA-CHLORDANE /2  
 5.0U TOXAPHENE  
 1.0U PCB-1016 (AROCLOR 1016)  
 2.0U PCB-1221 (AROCLOR 1221)  
 1.0U PCB-1232 (AROCLOR 1232)  
 1.0U PCB-1242 (AROCLOR 1242)  
 1.0U PCB-1248 (AROCLOR 1248)  
 1.0U PCB-1254 (AROCLOR 1254)  
 1.0U PCB-1260 (AROCLOR 1260)

\*\*\*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 KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*R-OC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

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)

\*\*\* UG/KG ANALYTICAL RESULTS

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 (AROCLOR 1016)  
 NA PCB-1221 (AROCLOR 1221)  
 NA PCB-1232 (AROCLOR 1232)  
 NA PCB-1242 (AROCLOR 1242)  
 NA PCB-1248 (AROCLOR 1248)  
 NA PCB-1254 (AROCLOR 1254)  
 NA PCB-1260 (AROCLOR 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  
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 \*C-CONFIRMED BY GCMS  
 \*NA-NOT ANALYZED  
 \*J-ESTIMATED VALUE  
 \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*I-INTERFERENCES  
 \*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

PESTICIDES/PCB'S DATA REPORT

\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69726 SAMPLE TYPE: GROUNDWA  
 \*\*\* SOURCE: HERCULES INC  
 \*\*\* STATION ID: MW-81  
 \*\*\* CASE NUMBER: 18341  
 \*\*\* SAS NUMBER: 18341  
 \*\*\* PROG ELEM: NSF COLLECTED BY: C. HELM  
 \*\*\* CITY: HATIESBURG ST: MS  
 \*\*\* COLLECTION START: 06/25/92 1330 STOP: 00/00/00  
 \*\*\* D. NUMBER: DH76

ANALYTICAL RESULTS

UG/L

| ANALYTICAL RESULTS   | UG/L   | ANALYTICAL RESULTS           |
|----------------------|--------|------------------------------|
| ALPHA-BHC            | 0.050U | METHOXYCHLOR                 |
| BETA-BHC             | 0.10U  | ENDRIN KETONE                |
| DELTA-BHC            | 0.050U | ENDRIN ALDEHYDE              |
| GAMMA-BHC (LINDANE)  | 0.050U | CHLORDANE (TECH. MIXTURE) /1 |
| HEPTACHLOR           | 0.050U | GAMMA-CHLORDANE /2           |
| ALDRIN               | 0.050U | ALPHA-CHLORDANE /2           |
| HEPTACHLOR EPOXIDE   | 1.0U   | TOXAPHENE                    |
| ENDOSULFAN I (ALPHA) | 2.0U   | PCB-1016 (AROCLOR 1016)      |
| DIELDRIN             | 1.0U   | PCB-1221 (AROCLOR 1221)      |
| 4,4'-DDE (P,P'-DDE)  | 1.0U   | PCB-1232 (AROCLOR 1232)      |
| ENDRIN               | 1.0U   | PCB-1242 (AROCLOR 1242)      |
| ENDOSULFAN II (BETA) | 1.0U   | PCB-1248 (AROCLOR 1248)      |
| 4,4'-DDD (P,P'-DDD)  | 1.0U   | PCB-1254 (AROCLOR 1254)      |
| ENDOSULFAN SULFATE   | 1.0U   | PCB-1260 (AROCLOR 1260)      |
| 4,4'-DDT (P,P'-DDT)  | 1.0U   |                              |

\*\*\*REMARKS\*\*\*

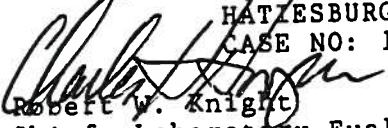
\*\*\*FOOTNOTES\*\*\*  
 \*A-AVERAGE VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT. TO BE GREATER THAN VALUE GIVEN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

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

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 08/21/92

SUBJECT: Results of Extractable Organic Analysis;  
92-0629 HERCULES INC  
HATTIESBURG MS  
CASE NO: 18341

FROM:   
Robert W. Knight  
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

ORGANIC DATA QUALIFIER REPORT

Case Number 18341 Project Number 92-0629 SAS Number  
 Site ID. Hercules, Inc., Hattiesburg, MS.

| <u>Affected Samples</u> | <u>Compound or Fraction</u> | <u>Flag Used</u> | <u>Reason</u>                              |
|-------------------------|-----------------------------|------------------|--|
| <u>Volatiles</u>        |                             |                  |  |
| 69710                   | bromodichloromethane        | J                | <quantitation limit                        |
|                         | dibromochloromethane        | J                | <quantitation limit                        |
| 69719                   | acetone                     | J                | >quantitation range                        |
|                         | benzene                     | J                | <quantitation limit                        |
|                         | 4-methyl-2-pentanone        | J                | <quantitation limit in dilution            |
|                         | ethylbenzene                | J                | <quantitation limit                        |
| 69721                   | toluene                     | J                | <quantitation limit                        |
| 69723                   | xylenes                     | J                | <quantitation limit                        |
| <u>Extractables</u>     |                             |                  |  |
| 69711, 69721            | phenanthrene                | J                | <quantitation limit                        |
| 69711                   | fluoranthene                | J                | <quantitation limit                        |
|                         | pyrene                      | J                | <quantitation limit                        |
| 69711, 69717            | 3-nitroaniline              | R                | low response factor                        |
| 69714                   | all acids                   | R                | unacceptable surrogate                     |
| <u>Pesticides</u>       |                             |                  |  |
| 69711                   | gamma-chlordane             | N                | difference between column<br>quantitations |
|                         | gamma-BHC                   | J                | <quantitation limit                        |
|                         | aldrin                      | J                | <quantitation limit                        |
| 69717                   | methoxychlor                | J                | <quantitation limit                        |
| 69719                   | endosulfan sulfate          | N                | difference between column<br>quantitations |
|                         | endrin aldehyde             | N                | difference between column<br>quantitations |
| 69714                   | alpha-chlordane             | J                | <quantitation limit                        |
|                         | alpha-chlordane             | N                | difference between column<br>quantitations |
|                         | aroclor 1260                | J                | <quantitation limit                        |

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

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 92-0629 SAMPLE NO. 69710 SAMPLE TYPE: GROUNDWA  
 SOURCE: HERCULES INC  
 STATION ID: TB-01  
 COLLECTION START: 06/24/92 0725 STOP: 00/00/00  
 CITY: HATIESBURG ST: MS  
 PROG ELEM: NSF COLLECTED BY: C HELM  
 ANALYTICAL RESULTS

CASE NO.: 18341 SAS NO.: D. NO.: DH60  
 UG/L UG/L ANALYTICAL RESULTS

| ANALYTICAL RESULTS                   | ANALYTICAL RESULTS                       |
|--------------------------------------|--|
| 10U PHENOL                           | 25U 3-NITROANILINE                       |
| 10U BIS(2-CHLOROETHYL) ETHER         | 10U ACENAPHTHENE                         |
| 10U 2-CHLOROPHENOL                   | 25U 2,4-DINITROPHENOL                    |
| 10U 1,3-DICHLOROBENZENE              | 25U 4-NITROPHENOL                        |
| 10U 1,4-DICHLOROBENZENE              | 10U DIBENZOFURAN                         |
| 10U 1,2-DICHLOROBENZENE              | 10U 2,4-DINITROTOLUENE                   |
| 10U 2-METHYLPHENOL                   | 10U DIETHYL PHTHALATE                    |
| 10U 2,2'-CHLOROISOPROPYLEETHER       | 10U 4-CHLOROPHENYL PHENYL ETHER          |
| 10U (3-AND/OR 4-METHYLPHENOL         | 10U FLUORENE                             |
| 10U N-NITROSODI-N-PROPYLAMINE        | 25U 4-NITROANILINE                       |
| 10U HEXACHLOROETHANE                 | 25U 2-METHYL-4,6-DINITROPHENOL           |
| 10U NITROBENZENE                     | 10U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| 10U ISOPHORONE                       | 10U 4-BROMOPHENYL PHENYL ETHER           |
| 10U 2-NITROPHENOL                    | 10U HEXACHLOROBENZENE (HCB)              |
| 10U 2,4-DIMETHYLPHENOL               | 25U PENTACHLOROPHENOL                    |
| 10U BIS(2-CHLOROETHOXY) METHANE      | 10U PHENANTHRENE                         |
| 10U 2,4-DICHLOROPHENOL               | 10U ANTHRACENE                           |
| 10U 1,2,4-TRICHLOROBENZENE           | 10U CARBAZOLE                            |
| 10U NAPHTHALENE                      | 10U DI-N-BUTYL PHTHALATE                 |
| 10U 4-CHLOROANILINE                  | 10U FLUORANTHENE                         |
| 10U HEXACHLOROBUTADIENE              | 10U PYRENE                               |
| 10U 4-CHLORO-3-METHYLPHENOL          | 10U BENZYL BUTYL PHTHALATE               |
| 10U 2-METHYLNAPHTHALENE              | 10U 3,3'-DICHLOROBENZIDINE               |
| 10U HEXACHLOROCYCLOPENTADIENE (HCCP) | 10U BENZO(A)ANTHRACENE                   |
| 25U 2,4,6-TRICHLOROPHENOL            | 10U CHRYSENE                             |
| 25U 2,4,5-TRICHLOROPHENOL            | 10U BIS(2-ETHYLHEXYL) PHTHALATE          |
| 10U 2-CHLORONAPHTHALENE              | 10U DI-N-OCTYL PHTHALATE                 |
| 25U 2-NITROANILINE                   | 10U BENZO(B AND/OR K)FLUORANTHENE        |
| 10U DIMETHYL PHTHALATE               | 10U BENZO-A-PYRENE                       |
| 10U ACENAPHTHYLENE                   | 10U INDENO(1,2,3-CD) PYRENE              |
| 10U 2,6-DINITROTOLUENE               | 10U DIBENZO(A,H)ANTHRACENE               |
|                                      | 10U BENZO(GHI)PERYLENE                   |

\*\*\*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  
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08/20/92

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

EXTRACTABLE ORGANICS DATA REPORT  
\*\*\*  
PROJECT NO. 92-0629  
SOURCE: HERCULES INC  
STATION ID: SS-01

\*\*\*  
PROG FLEM: NSF  
CITY: HATTIESBURG  
COLLECTION START: 06/24/92 0855 STOP: 00/00/00

CASE NO.: 18341  
\*\*\*  
SAS NO.:  
D. NO.: DH61  
UG/KG  
ANALYTICAL RESULTS

ANALYTICAL RESULTS

| UG/KG | ANALYTICAL RESULTS               | UG/KG | ANALYTICAL RESULTS                   |
|-------|----------------------------------|-------|--------------------------------------|
| 360U  | PHENOL                           | 870U  | 3-NITROANILINE                       |
| 360U  | BIS(2-CHLOROETHYL) ETHER         | 360U  | ACENAPHTHENE                         |
| 360U  | 2-CHLOROPHENOL                   | 870U  | 2,4-DINITROPHENOL                    |
| 360U  | 1,3-DICHLOROBENZENE              | 870U  | 4-NITROPHENOL                        |
| 360U  | 1,4-DICHLOROBENZENE              | 360U  | DIBENZOFURAN                         |
| 360U  | 1,2-DICHLOROBENZENE              | 360U  | 2,4-DINITROTOLUENE                   |
| 360U  | 2-METHYLPHENOL                   | 360U  | DIETHYL PHTHALATE                    |
| 360U  | 2,2'-CHLOROISOPROPYLETHER        | 360U  | 4-CHLOROPHENYL PHENYL ETHER          |
| 360U  | (3-AND/OR 4-)METHYLPHENOL        | 360U  | FLUORENE                             |
| 360U  | N-NITROSODI-N-PROPYLAMINE        | 870U  | 4-NITROANILINE                       |
| 360U  | HEXACHLOROETHANE                 | 870U  | 2-METHYL-4,6-DINITROPHENOL           |
| 360U  | NITROBENZENE                     | 360U  | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| 360U  | ISOPHORONE                       | 360U  | 4-BROMOPHENYL PHENYL ETHER           |
| 360U  | 2-NITROPHENOL                    | 360U  | HEXACHLOROBENZENE (HCB)              |
| 360U  | 2,4-DIMETHYLPHENOL               | 870U  | PENTACHLOROPHENOL                    |
| 360U  | BIS(2-CHLOROETHOXY) METHANE      | 55J   | PHENANTHRENE                         |
| 360U  | 2,4-DICHLOROPHENOL               | 360U  | ANTHRACENE                           |
| 360U  | 1,2,4-TRICHLOROBENZENE           | 360U  | CARBAZOLE                            |
| 360U  | NAPHTHALENE                      | 360U  | DI-N-BUTYLPHTHALATE                  |
| 360U  | 4-CHLOROANILINE                  | 110J  | FLUORANTHENE                         |
| 360U  | HEXACHLOROBUTADIENE              | 100J  | PYRENE                               |
| 360U  | 4-CHLORO-3-METHYLPHENOL          | 360U  | BENZYL BUTYL PHTHALATE               |
| 360U  | 2-METHYLNAPHTHALENE              | 360U  | 3,3'-DICHLOROBENZIDINE               |
| 360U  | HEXACHLOROCYCLOPENTADIENE (HCCP) | 360U  | BENZO(A)ANTHRACENE                   |
| 360U  | 2,4,6-TRICHLOROPHENOL            | 360U  | CHRYSENE                             |
| 870U  | 2,4,5-TRICHLOROPHENOL            | 360U  | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 360U  | 2-CHLORONAPHTHALENE              | 360U  | DI-N-OCTYLPHTHALATE                  |
| 870U  | 2-NITROANILINE                   | 360U  | BENZO(B AND/OR K)FLUORANTHENE        |
| 360U  | DIMETHYL PHTHALATE               | 360U  | BENZO-A-PYRENE                       |
| 360U  | ACENAPHTHYLENE                   | 360U  | INDENO (1,2,3-CD) PYRENE             |
| 360U  | 2,6-DINITROTOLUENE               | 360U  | DIBENZO(A,H)ANTHRACENE               |
|       |                                  | 360U  | BENZO(GH)PERYLENE                    |
|       |                                  | 360U  | 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
- \*NA1-INTERFERENCES
- \*J-ESTIMATED VALUE
- \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL KNOWN TO BE GREATER THAN VALUE GIVEN

08/20/92

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

EXTRACTABLE ORGANICS DATA REPORT  
\*\*\*  
\*\* PROJECT NO. 92-0629  
\*\* SOURCE: HERCULES INC  
\*\* STATION ID: SB-01  
\*\*

\*\*\*  
\*\* PROG ELEM: NSF  
\*\* CITY: HATIESBURG  
\*\* COLLECTION START: 06/24/92  
\*\* STOP: 00/00/00  
\*\*

\*\*\*  
\*\* CASE NO.: 18341  
\*\* SAS NO.:  
\*\* D. NO.: DH62  
\*\* UG/KG  
\*\* ANALYTICAL RESULTS  
\*\* ANALYTICAL RESULTS  
\*\*

| UG/KG | SAS NO.: | D. NO.: | 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'-CHLOROISOPROPYLETHER            |
| 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  |          |         | HEXACHLOROBTADIENE                   |
| 390U  |          |         | 4-CHLORO-3-METHYLPHENOL              |
| 390U  |          |         | 2-METHYLNAPHTHALENE                  |
| 390U  |          |         | HEXACHLOROCYCLOPENTADIENE (HCCP)     |
| 390U  |          |         | 2,4,6-TRICHLOROPHENOL                |
| 950U  |          |         | 2,4,5-TRICHLOROPHENOL                |
| 390U  |          |         | 2-CHLORONAPHTHALENE                  |
| 950U  |          |         | 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  |          |         | BENZOL(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\*\*\*  
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\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN ANALYZED  
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\*J-INTERFERENCES  
\*NAI-INTERFERENCES  
\*N-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.

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* \*\* \*\* \*\* \*\*  
PROJECT NO. 92-0629 SAMPLE NO. 69713 SAMPLE TYPE: GROUNDWA  
SOURCE: HERCULES INC  
STATION ID: TW-01  
\*\*\* \*\* \*\* \*\* \*\*  
PROG ELEM: NSF COLLECTED BY: C HELM  
CITY: HATIESBURG ST: MS  
COLLECTION START: 06/24/92 1045 STOP: 00/00/00  
\*\*\* \*\* \*\* \*\* \*\*

\*\*\* \*\* \*\* \*\* \*\*  
CASE NO.: 18341 SAS NO.: \*\* \*\* \*\* \*\*  
D. NO.: DH63  
UG/L  
ANALYTICAL RESULTS  
ANALYTICAL RESULTS  
\*\*\* \*\* \*\* \*\* \*\*

| UG/L | ANALYTICAL RESULTS               | UG/L | ANALYTICAL RESULTS                   |
|------|----------------------------------|------|--------------------------------------|
| 10U  | PHENOL                           | 25U  | 3-NITROANILINE                       |
| 10U  | BIS(2-CHLOROETHYL) ETHER         | 10U  | ACENAPHTHENE                         |
| 10U  | 2-CHLOROPHENOL                   | 25U  | 2,4-DINITROPHENOL                    |
| 10U  | 1,3-DICHLOROBENZENE              | 25U  | 4-NITROPHENOL                        |
| 10U  | 1,4-DICHLOROBENZENE              | 10U  | DIBENZOFURAN                         |
| 10U  | 1,2-DICHLOROBENZENE              | 10U  | 2,4-DINITROTOLUENE                   |
| 10U  | 2-METHYLPHENOL                   | 10U  | DIETHYL PHTHALATE                    |
| 10U  | 2,2'-CHLOROISOPROPYLETHER        | 10U  | 4-CHLOROPHENYL PHENYL ETHER          |
| 10U  | (3-AND/OR 4-)METHYLPHENOL        | 10U  | FLUORENE                             |
| 10U  | N-NITROSODI-N-PROPYLAMINE        | 25U  | 4-NITROANILINE                       |
| 10U  | HEXACHLOROETHANE                 | 25U  | 2-METHYL-4,6-DINITROPHENOL           |
| 10U  | NITROBENZENE                     | 10U  | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| 10U  | ISOPHORONE                       | 10U  | 4-BROMOPHENYL PHENYL ETHER           |
| 10U  | 2-NITROPHENOL                    | 10U  | HEXACHLOROBENZENE (HCB)              |
| 10U  | 2,4-DIMETHYLPHENOL               | 25U  | PENTACHLOROPHENOL                    |
| 10U  | BIS(2-CHLOROETHOXY) METHANE      | 10U  | PHENANTHRENE                         |
| 10U  | 2,4-DICHLOROPHENOL               | 10U  | ANTHRACENE                           |
| 10U  | 1,2,4-TRICHLOROBENZENE           | 10U  | CARBAZOLE                            |
| 10U  | NAPHTHALENE                      | 10U  | DI-N-BUTYLPHTHALATE                  |
| 10U  | 4-CHLOROANILINE                  | 10U  | FLUORANTHENE                         |
| 10U  | HEXACHLOROBUTADIENE              | 10U  | PYRENE                               |
| 10U  | 4-CHLORO-3-METHYLPHENOL          | 10U  | BENZYL BUTYL PHTHALATE               |
| 10U  | 2-METHYLNAPHTHALENE              | 10U  | 3,3'-DICHLOROBENZIDINE               |
| 10U  | HEXACHLOROCYCLOPENTADIENE (HCCP) | 10U  | BENZO(A)ANTHRACENE                   |
| 10U  | 2,4,6-TRICHLOROPHENOL            | 10U  | CHRYSENE                             |
| 25U  | 2,4,5-TRICHLOROPHENOL            | 10U  | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 10U  | 2-CHLORONAPHTHALENE              | 10U  | DI-N-OCTYLPHTHALATE                  |
| 25U  | 2-NITROANILINE                   | 10U  | BENZO(B AND/OR K)FLUORANTHENE        |
| 10U  | DIMETHYL PHTHALATE               | 10U  | BENZO-A-PYRENE                       |
| 10U  | ACENAPHTHYLENE                   | 10U  | INDENO (1,2,3-CD) PYRENE             |
| 10U  | 2,6-DINITROTOLUENE               | 10U  | DIBENZO(A,H)ANTHRACENE               |
|      |                                  | 10U  | BENZO(GH,I)PERYLENE                  |

\*\*\*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.

\*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.

08/20/92

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 92-0629 SAMPLE NO. 69714 SAMPLE TYPE: SOIL  
SOURCE: HERCULES INC STATION ID: SD-01

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

CASE NO.: 18341

D. NO.: DH64

SAS NO.:

ANALYTICAL RESULTS

ANALYTICAL RESULTS

| UG/KG | UG/KG  |                                      |
|-------|--------|--------------------------------------|
| 420UR | 1000UR | 3-NITROANILINE                       |
| 420UR | 420U   | ACENAPHTHENE                         |
| 420UR | 1000UR | 2,4-DINITROPHENOL                    |
| 420UR | 1000UR | 4-NITROPHENOL                        |
| 420UR | 420U   | DIBENZOFURAN                         |
| 420UR | 420U   | 2,4-DINITROTOLUENE                   |
| 420UR | 420U   | DIETHYL PHTHALATE                    |
| 420UR | 420U   | 4-CHLOROPHENYL PHENYL ETHER          |
| 420UR | 420U   | FLUORENE                             |
| 420UR | 1000U  | 4-NITROANILINE                       |
| 420UR | 1000UR | 2-METHYL-4,6-DINITROPHENOL           |
| 420UR | 420U   | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| 420UR | 420U   | 4-BROMOPHENYL PHENYL ETHER           |
| 420UR | 420U   | HEXACHLOROBENZENE (HCB)              |
| 420UR | 1000UR | PENTACHLOROPHENOL                    |
| 420UR | 420U   | PHENANTHRENE                         |
| 420UR | 420U   | ANTHRACENE                           |
| 420UR | 420U   | CARBAZOLE                            |
| 420UR | 420U   | DI-N-BUTYL PHTHALATE                 |
| 420UR | 420U   | FLUORANTHENE                         |
| 420UR | 420U   | PYRENE                               |
| 420UR | 420U   | BENZYL BUTYL PHTHALATE               |
| 420UR | 420U   | 3,3'-DICHLOROBENZIDINE               |
| 420UR | 420U   | BENZO(A)ANTHRACENE                   |
| 420UR | 420U   | CHRYSENE                             |
| 420UR | 420U   | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 420UR | 420U   | DI-N-OCTYL PHTHALATE                 |
| 420UR | 420U   | BENZO(B AND/OR K)FLUORANTHENE        |
| 420UR | 420U   | BENZO-A-PYRENE                       |
| 420UR | 420U   | INDENO (1,2,3-CD) PYRENE             |
| 420UR | 420U   | DIBENZO(A,H)ANTHRACENE               |
| 420UR | 420U   | BENZO(GHI)PERYLENE                   |
| 420UR | 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. 69715 SAMPLE TYPE: SURFACEWA  
 \*\*\* SOURCE: HERCULES INC  
 \*\*\* STATION ID: SW-01  
 \*\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
 \*\*\* CITY: HATIESBURG ST: MS  
 \*\*\* COLLECTION START: 06/24/92 1610 STOP: 00/00/00

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

| UG/L | ANALYTICAL RESULTS               | UG/L | ANALYTICAL RESULTS                   |
|------|----------------------------------|------|--------------------------------------|
| NA   | PHENOL                           | NA   | 3-NITROANILINE                       |
| 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   | (3-AND/OR 4-)METHYLPHENOL        | NA   | FLUORENE                             |
| NA   | N-NITROSODI-N-PROPYLAMINE        | NA   | 4-NITROANILINE                       |
| NA   | HEXACHLOROETHANE                 | NA   | 2-METHYL-4,6-DINITROPHENOL           |
| NA   | NITROBENZENE                     | NA   | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| NA   | ISOPHORONE                       | NA   | 4-BROMOPHENYL PHENYL ETHER           |
| NA   | 2-NITROPHENOL                    | NA   | HEXACHLOROBENZENE (HCB)              |
| NA   | 2,4-DIMETHYLPHENOL               | NA   | PENTACHLOROPHENOL                    |
| NA   | BIS(2-CHLOROETHOXY) METHANE      | NA   | PHENANTHRENE                         |
| NA   | 2,4-DICHLOROPHENOL               | NA   | ANTHRACENE                           |
| NA   | 1,2,4-TRICHLOROBENZENE           | NA   | CARBAZOLE                            |
| NA   | NAPHTHALENE                      | NA   | DI-N-BUTYLPHTHALATE                  |
| NA   | 4-CHLOROANILINE                  | NA   | FLUORANTHENE                         |
| NA   | HEXACHLOROBUTADIENE              | NA   | PYRENE                               |
| NA   | 4-CHLORO-3-METHYLPHENOL          | NA   | BENZYL BUTYL PHTHALATE               |
| NA   | 2-METHYLNAPHTHALENE              | NA   | 3,3'-DICHLOROBENZIDINE               |
| NA   | HEXACHLOROCYCLOPENTADIENE (HCCP) | NA   | BENZO(A)ANTHRACENE                   |
| NA   | 2,4,6-TRICHLOROPHENOL            | NA   | CHRYSENE                             |
| NA   | 2,4,5-TRICHLOROPHENOL            | NA   | BIS(2-ETHYLHEXYL) PHTHALATE          |
| NA   | 2-CHLORONAPHTHALENE              | NA   | DI-N-OCTYLPHTHALATE                  |
| NA   | 2-NITROANILINE                   | NA   | BENZO(B AND/OR K)FLUORANTHENE        |
| NA   | DIMETHYL PHTHALATE               | NA   | BENZO-A-PYRENE                       |
| NA   | ACENAPHTHYLENE                   | NA   | INDENO (1,2,3-CD) PYRENE             |
| NA   | 2,6-DINITROTOLUENE               | NA   | DIBENZO(A,H)ANTHRACENE               |
|      |                                  | NA   | BENZO(GHI)PERYLENE                   |

\*\*\*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  
 \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*M-INTERFERENCES \*NA-NOT ANALYZED  
 \*O-DETECTED THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*P-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED  
 \*R-OC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

08/20/92

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

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69716 SAMPLE TYPE: SURFACEWA  
\*\*\* SOURCE: HERCULES INC  
\*\*\* STATION ID: SW-2  
\*\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
\*\*\* CITY: HATTIESBURG ST: MS  
\*\*\* COLLECTION START: 06/24/92 1700 STOP: 00/00/00

\*\*\* CASE NO.: 18341 SAS NO.: D. NO.: DH66  
\*\*\* UG/L UG/L ANALYTICAL RESULTS

| ANALYTICAL RESULTS                  | ANALYTICAL RESULTS                      |
|-------------------------------------|---|
| NA PHENOL                           | 3-NITROANILINE                          |
| 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'-CHLOROISOPROPYLETH          | NA 4-CHLOROPHENYL PHENYL ETHER          |
| NA (3-AND/OR 4-METHYLPHENOL         | NA FLUORENE                             |
| NA N-NITROSODI-N-PROPYLAMINE        | NA 4-NITROANILINE                       |
| NA HEXACHLOROETHANE                 | NA 2-METHYL-4,6-DINITROPHENOL           |
| NA NITROBENZENE                     | NA N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| NA ISOPHORONE                       | NA 4-BROMOPHENYL PHENYL ETHER           |
| NA 2-NITROPHENOL                    | NA HEXACHLOROBENZENE (HCB)              |
| NA 2,4-DIMETHYLPHENOL               | NA PHENANTHRENE                         |
| NA BIS(2-CHLOROETHOXY) METHANE      | NA ANTHRACENE                           |
| NA 2,4-DICHLOROPHENOL               | NA CARBAZOLE                            |
| NA 1,2,4-TRICHLOROBENZENE           | NA DI-N-BUTYL PHTHALATE                 |
| NA NAPHTHALENE                      | NA FLUORANTHENE                         |
| NA 4-CHLOROANILINE                  | NA PYRENE                               |
| NA HEXACHLOROBTADIENE               | NA BENZYL BUTYL PHTHALATE               |
| NA 4-CHLORO-3-METHYLPHENOL          | NA BENZO(A)ANTHRACENE                   |
| NA 2-METHYLNAPHTHALENE              | NA 3,3'-DICHLOROBENZIDINE               |
| NA HEXACHLOROCYCLOPENTADIENE (HCCP) | NA CHRYSENE                             |
| NA 2,4,6-TRICHLOROPHENOL            | NA BIS(2-ETHYLHEXYL) PHTHALATE          |
| NA 2,4,5-TRICHLOROPHENOL            | NA DI-N-OCTYL PHTHALATE                 |
| NA 2-CHLORONAPHTHALENE              | NA BENZO(B AND/OR K)FLUORANTHENE        |
| NA 2-NITROANILINE                   | NA BENZO(A-PYRENE                       |
| NA DIMETHYL PHTHALATE               | NA INDENO (1.2.3-CD) PYRENE             |
| NA ACENAPHTHYLENE                   | NA DIBENZO(A,H)ANTHRACENE               |
| NA 2,6-DINITROTOLUENE               | NA BENZO(GHI)PERYLENE                   |

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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08/20/92

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

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* PROJECT NO. 92-0629 SAMPLE NO. 69717 SAMPLE TYPE: SOIL  
\*\*\* SOURCE: HERCULES INC  
\*\*\* STATION ID: 5D-02  
\*\*\* CASE NO.: 18341  
\*\*\* SAS NO.:  
\*\*\* D. NO.: DH67  
\*\*\* ANALYTICAL RESULTS  
\*\*\* ANALYTICAL RESULTS  
\*\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
\*\*\* CITY: HATTIESBURG ST: MS  
\*\*\* COLLECTION START: 06/24/92 1730 STOP: 00/00/00

1000U 3-NITROANILINE  
410U ACENAPHTHENE  
1000U 2,4-DINITROPHENOL  
1000U 4-NITROPHENOL  
410U DIBENZOFURAN  
410U 2,4-DINITROTOLUENE  
410U DIETHYL PHTHALATE  
410U 4-CHLOROPHENYL PHENYL ETHER  
410U FLUORENE  
1000U 4-NITROANILINE  
1000U 2-METHYL-4,6-DINITROPHENOL  
410U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
410U 4-BROMOPHENYL PHENYL ETHER  
1000U HEXACHLOROBENZENE (HCB)  
410U PHENANTHRENE  
410U ANTHRACENE  
410U CARBAZOLE  
410U DI-N-BUTYL PHTHALATE  
410U FLUORANTHENE  
410U PYRENE  
410U BENZYL BUTYL PHTHALATE  
410U 3,3'-DICHLOROBENZIDINE  
410U BENZO(A)ANTHRACENE  
410U CHRYSENE  
410U BIS(2-ETHYLHEXYL) PHTHALATE  
410U DI-N-OCTYL PHTHALATE  
410U BENZO(B AND/OR K)FLUORANTHENE  
410U BENZO-A-PYRENE  
410U INDENO (1,2,3-CD) PYRENE  
410U DIBENZO(A,H)ANTHRACENE  
410U BENZO(GH)PERYLENE  
410U PERCENT MOISTURE  
21

410U PHENOL  
410U BIS(2-CHLOROETHYL) ETHER  
410U 2-CHLOROPHENOL  
410U 1,3-DICHLOROBENZENE  
410U 1,4-DICHLOROBENZENE  
410U 1,2-DICHLOROBENZENE  
410U 2-METHYLPHENOL  
410U 2,2'-CHLOROISOPROPYLETHYR  
410U (3-AND/OR 4-METHYLPHENOL  
410U N-NITROSODI-N-PROPYLAMINE  
410U HEXACHLOROETHANE  
410U NITROBENZENE  
410U ISOPHORONE  
410U 2-NITROPHENOL  
410U 2,4-DIMETHYLPHENOL  
410U BIS(2-CHLOROETHOXY) METHANE  
410U 2,4-DICHLOROPHENOL  
410U 1,2,4-TRICHLOROBENZENE  
410U NAPHTHALENE  
410U 4-CHLOROANILINE  
410U HEXACHLOROBUTADIENE  
410U 4-CHLORO-3-METHYLPHENOL  
410U 2-METHYLNAPHTHALENE  
410U HEXACHLOROCYCLOPENTADIENE (HCCP)  
410U 2,4,6-TRICHLOROPHENOL  
1000U 2,4,5-TRICHLOROPHENOL  
1000U 2-CHLORONAPHTHALENE  
410U 2-NITROANILINE  
410U DIMETHYL PHTHALATE  
410U ACENAPHTHYLENE  
410U 2,6-DINITROTOLUENE

\*\*\* REMARKS \*\*\*  
\*\*\* 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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08/20/92

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

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 92-0629 SAMPLE NO. 69718 SAMPLE TYPE: SOIL  
SOURCE: HERCULES INC  
STATION ID: SD-03  
PROG ELEM: NSF COLLECTED BY: C HELM  
CITY: HATTIESBURG ST: MS  
COLLECTION START: 06/24/92 1815 STOP: 00/00/00

CASE NO.: 18341 SAS NO.: D. NO.: DH68  
UG/KG ANALYTICAL RESULTS UG/KG ANALYTICAL RESULTS

| UG/KG    | ANALYTICAL RESULTS               | UG/KG    | ANALYTICAL RESULTS                   |
|----------|----------------------------------|----------|--------------------------------------|
| 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 | PHENANTHRENE                         |
| 27000000 | BIS(2-CHLOROETHOXY) METHANE      | 27000000 | ANTHRACENE                           |
| 27000000 | 2,4-DICHLOROPHENOL               | 27000000 | CARBAZOLE                            |
| 27000000 | 1,2,4-TRICHLOROBENZENE           | 27000000 | DI-N-BUTYL PHTHALATE                 |
| 27000000 | NAPHTHALENE                      | 27000000 | FLUORANTHENE                         |
| 27000000 | 4-CHLOROANILINE                  | 27000000 | PYRENE                               |
| 27000000 | HEXACHLOROBUTADIENE              | 27000000 | BENZYL BUTYL PHTHALATE               |
| 27000000 | 4-CHLORO-3-METHYLPHENOL          | 27000000 | BENZO(A)ANTHRACENE                   |
| 27000000 | 2-METHYLNAPHTHALENE              | 27000000 | 3,3'-DICHLOROBENZIDINE               |
| 27000000 | HEXACHLOROCYCLOPENTADIENE (HCCP) | 27000000 | CHRYSENE                             |
| 27000000 | 2,4,6-TRICHLOROPHENOL            | 27000000 | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 27000000 | 2,4,5-TRICHLOROPHENOL            | 27000000 | DI-N-OCTYL PHTHALATE                 |
| 27000000 | 2-CHLORONAPHTHALENE              | 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 \*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: SD-03  
\*\* CASE NO.: 18341  
\*\*  
\*\*\*  
\*\* SAMPLE NO. 69718 SAMPLE TYPE: SOIL  
\*\*  
\*\* 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 IS KNOWN TO BE LESS THAN VALUE GIVEN \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE UF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE GREATER 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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\*\*\* SOURCE: NO. 24-0049 \*\*\*  
 \*\*\* SOURCE: HERCULES INC \*\*\*  
 \*\*\* STATION ID: S3-02 \*\*\*  
 \*\*\* CA : 18341 \*\*\*  
 \*\*\*  
 \*\*\* SAMPLE NO. 69719 SAMPLE TYPE: SOIL \*\*\*  
 \*\*\* SAS NO.: \*\*\*  
 \*\*\*  
 \*\*\* PROG ELEM: NSF COLLECTED BY: C. HELM \*\*\*  
 \*\*\* CITY: HATTIESBURG ST: MS \*\*\*  
 \*\*\* COLLECTION START: 06/24/92 1915 STOP: 00/00/00 \*\*\*  
 \*\*\* D. NO.: DH69 MD NO: DC69 \*\*\*

ANALYTICAL RESULTS UG/KG

|           |  |
|-----------|--|
| 9.0E06JN  | 10 UNIDENTIFIED COMPOUNDS                  |
| 500000JN  | METHYL(METHYLETHYL)CYCLOHEXENE             |
| 500000JN  | METHYL(METHYLETHYL)BENZENE                 |
| 600000JN  | TRIMETHYLCYCLOHEXANEMETHANOL               |
| 500000JN  | TRIMETHYLBICYCLOHEPTANONE                  |
| 800000JN  | ISOBORNEOL                                 |
| 1.0E07JN  | TRIMETHYLCYCLOHEENEMETHANOL                |
| 700000JN  | PROPYLPHENOL                               |
| 2.0E07JN  | TERPIN HYDRATE                             |
| 700000JN  | OXVIBENZENE                                |
| 1+E06JN * | OCTAHYDRODIMETHYL(METHYLETHYL)PHENANTHRENE |
|           | CARBOXYLIC ACID, METHYLESTER               |

\*\*\*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.  
 \*NAI-INTERFERENCES  
 \*J-ESTIMATED VALUE  
 \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN



\*\*\* PRODUCT NO. 92-0629 \*\*\* DATA REPORT  
 \*\*\* SAMPLE NO. 69720 \*\*\* SAMPLE TYPE: SOIL  
 \*\*\* SAS NO.: 18341 \*\*\*

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

ANALYTICAL RESULTS UG/KG

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

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

08/02

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT  
\*\*\*  
\*\* PROJECT NO. 92-0629  
\*\* SOURCE: HERCULES INC  
\*\* STATION ID: SS-04  
\*\* CASE NO.: 18341  
\*\*  
\*\* SAS NO.:  
\*\*  
\*\* SAMPLE NO. 69721 SAMPLE TYPE: SOIL  
\*\*  
\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
\*\* CITY: HATIESBURG ST: MS  
\*\* COLLECTION START: 06/25/92 0845 STOP: 00/00/00  
\*\* D. NO.: DH71 MD NO: DC71  
\*\*

ANALYTICAL RESULTS UG/KG

10000J \* 18 UNIDENTIFIED COMPOUNDS  
20000J \* OCTAHYDRODIMETHYL(METHYLETHYL)PHENANTHRENE  
\* 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.  
\*R-GC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT  
 PKT NO. 92-0629  
 STATION: HERCULES INC  
 CASE NO.: 18341  
 SAMPLE NO. 69722  
 SAMPLE TYPE: SOIL  
 SAS NO.:  
 PROG ELEM: NSF  
 CITY: HATIESBURG  
 COLLECTION START: 06/25/92  
 D. NO.: DH72  
 COLLECTED BY: C HELM  
 ST: MS  
 STOP: 00/00/00  
 MD NO: DC72

ANALYTICAL RESULTS UG/KG

\* OCTAHYDRODIMETHYL (METHYLETHYL)PHENANTHRENE  
 400JN  
 4000J 4 UNIDENTIFIED COMPOUNDS  
 CARBOXYLIC ACID, METHYLESTER

\*\*\*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.  
 \*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  
 \*R-OC 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. 69724 SAMPLE TYPE: GROUNDWA  
\*\* SOURCE: HERCULES INC  
\*\* STATION ID: TW-05  
\*\* CASE NO.: 18341  
\*\*  
\*\*\*

\*\*\*  
\*\* PROG ELEM: NSF  
\*\* CITY: HATIESBURG  
\*\* COLLECTION START: 06/25/92 1050 STOP: 00/00/00  
\*\* D. NO.: DH74 MD NO: DC74  
\*\*  
\*\*\*

\*\*\*  
\*\* COLLECTED BY: C HELM  
\*\* ST: MS  
\*\*  
\*\*\*

ANALYTICAL RESULTS UG/L

200J 7 UNIDENTIFIED COMPOUNDS

\*\*\*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 \*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. 69726 SAMPLE TYPE: GROUNDWA  
\*\* SOURCE: HERCULES, INC  
\*\* STATION ID: MW-81  
\*\* CASE NO.: 18341  
\*\*  
\*\*\*  
\*\* SAS NO.:  
\*\*  
\*\*\*  
\*\* PROG ELEM: NSF COLLECTED BY: C HELM  
\*\* CITY: HATIESBURG ST: MS  
\*\* COLLECTION START: 06/25/92 1330 STOP: 00/00/00  
\*\* D. NO.: DH76 MD NO: DC76  
\*\*

ANALYTICAL RESULTS UG/L

30J 1 UNIDENTIFIED COMPOUND

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

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

EXTRACTABLE ORGANICS DATA REPORT

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

SAS NO.: \* \* \* \* \*  
UG/KG  
ANALYTICAL RESULTS

| UG/KG    | ANALYTICAL RESULTS               | UG/KG    | ANALYTICAL RESULTS                   |
|----------|----------------------------------|----------|--------------------------------------|
| 1200000U | PHENOL                           | 3000000U | 3-NITROANILINE                       |
| 1200000U | BIS(2-CHLOROETHYL) ETHER         | 3000000U | ACENAPHTHENE                         |
| 1200000U | 2-CHLOROPHENOL                   | 3000000U | 2,4-DINITROPHENOL                    |
| 1200000U | 1,3-DICHLOROBENZENE              | 1200000U | 4-NITROPHENOL                        |
| 1200000U | 1,4-DICHLOROBENZENE              | 1200000U | DIBENZOFURAN                         |
| 1200000U | 1,2-DICHLOROBENZENE              | 1200000U | 2,4-DINITROTOLUENE                   |
| 1200000U | 2-METHYLPHENOL                   | 1200000U | DIETHYL PHTHALATE                    |
| 1200000U | 2,2-CHLOROISOPROPYLETHER         | 1200000U | 4-CHLOROPHENYL PHENYL ETHER          |
| 1200000U | (3-AND/OR 4-METHYLPHENOL)        | 1200000U | FLUORENE                             |
| 1200000U | N-NITROSODI-N-PROPYLAMINE        | 3000000U | 4-NITROANILINE                       |
| 1200000U | HEXACHLOROETHANE                 | 3000000U | 2-METHYL-4,6-DINITROPHENOL           |
| 1200000U | NITROBENZENE                     | 1200000U | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| 1200000U | ISOPHORONE                       | 1200000U | 4-BROMOPHENYL PHENYL ETHER           |
| 1200000U | 2-NITROPHENOL                    | 1200000U | HEXACHLOROBENZENE (HCB)              |
| 1200000U | 2,4-DIMETHYLPHENOL               | 1200000U | PENTACHLOROPHENOL                    |
| 1200000U | BIS(2-CHLOROETHOXY) METHANE      | 1200000U | PHENANTHRENE                         |
| 1200000U | 2,4-DICHLOROPHENOL               | 1200000U | ANTHRACENE                           |
| 1200000U | 1,2,4-TRICHLOROBENZENE           | 1200000U | CARBAZOLE                            |
| 1200000U | NAPHTHALENE                      | 1200000U | DI-N-BUTYL PHTHALATE                 |
| 1200000U | 4-CHLOROANILINE                  | 1200000U | FLUORANTHENE                         |
| 1200000U | HEXACHLOROBUTADIENE              | 1200000U | PYRENE                               |
| 1200000U | 4-CHLORO-3-METHYLPHENOL          | 1200000U | BENZYL BUTYL PHTHALATE               |
| 1200000U | 2-METHYLNAPHTHALENE              | 1200000U | 3,3-DICHLOROBENZIDINE                |
| 1200000U | HEXACHLOROCYCLOPENTADIENE (HCCP) | 1200000U | BENZO(A)ANTHRACENE                   |
| 1200000U | 2,4,6-TRICHLOROPHENOL            | 1200000U | CHRYSENE                             |
| 3000000U | 2,4,5-TRICHLOROPHENOL            | 1200000U | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 1200000U | 2-CHLORONAPHTHALENE              | 1200000U | DI-N-OCTYL PHTHALATE                 |
| 1200000U | 2-NITROANILINE                   | 1200000U | BENZO(B AND/OR K)FLUORANTHENE        |
| 1200000U | DIMETHYL PHTHALATE               | 1200000U | BENZO-A-PYRENE                       |
| 1200000U | ACENAPHTHYLENE                   | 1200000U | INDENO (1,2,3-CD) PYRENE             |
| 1200000U | 2,6-DINITROTOLUENE               | 1200000U | DIBENZO(A,H)ANTHRACENE               |
|          |                                  | 1200000U | BENZO(GHI)PERYLENE                   |
|          |                                  | 1200000U | PERCENT MOISTURE                     |

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

- \*A-AVERAGE VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
- \*K-ACTUAL VALUE WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
- \*U-MATERIAL WAS ANALYZED BUT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
- \*R-QC INDICATES THAT DATA UNUSABLE.
- \*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
- \*N-INTERFERENCES
- \*MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
- \*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. 69723 SAMPLE TYPE: SOIL  
 SOURCE: HERCULES INC  
 STATION ID: SB-05  
 CASE NO.: 18341 SAS NO.:  
 UG/KG ANALYTICAL RESULTS UG/KG ANALYTICAL RESULTS

| ANALYTICAL RESULTS               | ANALYTICAL RESULTS                   |
|----------------------------------|--------------------------------------|
| PHENOL                           | 3-NITROANILINE                       |
| BIS(2-CHLOROETHYL) ETHER         | ACENAPHTHENE                         |
| 2-CHLOROPHENOL                   | 2,4-DINITROPHENOL                    |
| 1,3-DICHLOROBENZENE              | 4-NITROPHENOL                        |
| 1,4-DICHLOROBENZENE              | DIBENZOFURAN                         |
| 2-DICHLOROBENZENE                | 2,4-DINITROTOLUENE                   |
| 2-METHYLPHENOL                   | DIETHYL PHTHALATE                    |
| 2,2-CHLORISOPROPYLETHER          | 4-CHLOROPHENYL PHENYL ETHER          |
| (3-AND/OR 4-METHYLPHENOL         | FLUORENE                             |
| N-NITROSODI-N-PROPYLAMINE        | 4-NITROANILINE                       |
| HEXACHLOROETHANE                 | 2-METHYL-4,6-DINITROPHENOL           |
| NITROBENZENE                     | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| ISOPHORONE                       | 4-BROMOPHENYL PHENYL ETHER           |
| 2-NITROPHENOL                    | HEXACHLOROENZENE (HCB)               |
| 2,4-DIMETHYLPHENOL               | PENANTHRENE                          |
| BIS(2-CHLOROETHOXY) METHANE      | ANTHRACENE                           |
| 2,4-DICHLOROPHENOL               | CARBAZOLE                            |
| 1,2,4-TRICHLOROBENZENE           | DI-N-BUTYL PHTHALATE                 |
| NAPHTHALENE                      | FLUORANTHENE                         |
| 4-CHLOROANILINE                  | PYRENE                               |
| HEXACHLOROBUTADIENE              | BENZYL BUTYL PHTHALATE               |
| 4-CHLORO-3-METHYLPHENOL          | 3,3'-DICHLOROBENZIDINE               |
| 2-METHYLNAPHTHALENE              | BENZO(A)ANTHRACENE                   |
| HEXACHLOROCYCLOPENTADIENE (HCCP) | CHRYSENE                             |
| 2,4,6-TRICHLOROPHENOL            | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 2,4,5-TRICHLOROPHENOL            | DI-N-OCTYL PHTHALATE                 |
| 2-CHLORONAPHTHALENE              | BENZO(B AND/OR K)FLUORANTHENE        |
| 2-NITROANILINE                   | BENZO(A-PYRENE                       |
| DIMETHYL PHTHALATE               | INDENO (1,2,3-CD) PYRENE             |
| ACENAPHTHYLENE                   | DIBENZO(A,H)ANTHRACENE               |
| 2,6-DINITROTOLUENE               | BENZO(GH)PERYLENE                    |
|                                  | 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 \*I-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 UNSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

PROJECT NO: 92-0629      SAMPLE NO: 69711      SAMPLE TYPE: SOIL      FROM STATE: MISSISSIPPI  
SOURCE: HERCULES INC      CITY: HATTIESBURG      STOP: 00/00/00  
STATION ID: SS-O1      COLLECTION START: 06/24/92      MD NO: DC61  
CASE NO.: 18341      SAS NO.:      D. NO.: DH61

ANALYTICAL RESULTS UG/KG

2000J 4 UNIDENTIFIED COMPOUNDS  
200JN DIMETHYLPHENANTHRENE  
700JN TETRAMETHYLPHENANTHRENE  
\* OCTAHYDRODIME THYL (METHYLETHYL) PHENANTHRENE  
1000JN CARBOXYLIC ACID

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



EXTRACTABLE ORGANICS DATA REPORT  
 PROJECT NO. 92-0629 SAMPLE NO. 69725 SAMPLE TYPE: SOIL  
 SOURCE: HERCULES INC  
 STATION ID: SD-04  
 CASE NO.: 18341 SAS NO.:  
 UG/KG ANALYTICAL RESULTS UG/KG ANALYTICAL RESULTS  
 D. NO.: DH75  
 PROG ELEM: NSF COLLECTED BY: C HELM  
 CITY: HATTIESBURG ST: MS  
 COLLECTION START: 06/25/92 1245 STOP: 00/00/00

| NA | PHENOL                           | NA | 3-NITROANILINE                       |
|----|----------------------------------|----|--------------------------------------|
| 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 | 2-METHYLPHENOL                   | NA | 2,4-DINITROTOLUENE                   |
| NA | 2,2'-CHLOROISOPROPYLETHER        | NA | DIETHYL PHTHALATE                    |
| NA | (3-AND/OR 4-)METHYLPHENOL        | NA | 4-CHLOROPHENYL PHENYL ETHER          |
| NA | N-NITROSODI-N-PROPYLAMINE        | NA | FLUORENE                             |
| NA | HEXACHLOROETHANE                 | NA | 4-NITROANILINE                       |
| NA | NITROBENZENE                     | 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 | BIS(2-CHLOROETHOXY) METHANE      | NA | PENANTHRENE                          |
| NA | 2,4-DICHLOROPHENOL               | NA | ANTHRACENE                           |
| NA | 1,2,4-TRICHLOROBENZENE           | NA | CARBAZOLE                            |
| NA | NAPHTHALENE                      | NA | DI-N-BUTYL PHTHALATE                 |
| NA | 4-CHLORANILINE                   | NA | FLUORANTHENE                         |
| NA | HEXACHLOROBUTADIENE              | NA | PYRENE                               |
| NA | 4-CHLORO-3-METHYLPHENOL          | NA | BENZYL BUTYL PHTHALATE               |
| NA | 2-METHYLNAPHTHALENE              | NA | 3,3'-DICHLOROBENZIDINE               |
| NA | HEXACHLOROCYCLOPENTADIENE (HCCP) | NA | CHRYSENE                             |
| NA | 2,4,6-TRICHLOROPHENOL            | NA | BIS(2-ETHYLHEXYL) PHTHALATE          |
| NA | 2,4,5-TRICHLOROPHENOL            | NA | DI-N-OCTYL PHTHALATE                 |
| NA | 2-CHLORONAPHTHALENE              | NA | BENZO(B AND/OR K)FLUORANTHENE        |
| NA | 2-NITROANILINE                   | NA | BENZO-A-PYRENE                       |
| NA | DIMETHYL PHTHALATE               | NA | INDENO (1,2,3-CD) PYRENE             |
| NA | ACENAPHTHYLENE                   | NA | DIENZO(A,H)ANTHRACENE                |
| NA | 2,6-DINITROTOLUENE               | NA | BENZO(GH)PERYLENE                    |
|    |                                  |    | 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 UNSUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

EXTRACTABLE ORGANICS DATA REPORT  
 PROJECT NO. 92-0629 SAMPLE NO. 69726 SAMPLE TYPE: GROUNDWA  
 SOURCE: HERCULES INC  
 STATION ID: MW-81  
 PROG ELEM: NSF COLLECTED BY: C HELM  
 CITY: HATTESBURG ST: MS  
 COLLECTION START: 06/25/92 1330 STOP: 00/00/00

CASE NO.: 18341 SAS NO.:  
 UG/L ANALYTICAL RESULTS UG/L ANALYTICAL RESULTS

| UG/L | ANALYTICAL RESULTS               | UG/L | ANALYTICAL RESULTS                   |
|------|----------------------------------|------|--------------------------------------|
| 10U  | PHENOL                           | 25U  | 3-NITROANILINE                       |
| 10U  | BIS(2-CHLOROETHYL) ETHER         | 10U  | ACENAPHTHENE                         |
| 10U  | 2-CHLOROPHENOL                   | 10U  | 2,4-DINITROPHENOL                    |
| 10U  | 1,3-DICHLOROBENZENE              | 25U  | 4-NITROPHENOL                        |
| 10U  | 1,4-DICHLOROBENZENE              | 10U  | DIBENZOFURAN                         |
| 10U  | 1,2-DICHLOROBENZENE              | 10U  | 2,4-DINITROTOLUENE                   |
| 10U  | 2-METHYLPHENOL                   | 10U  | DIETHYL PHTHALATE                    |
| 10U  | 2,2'-CHLOROISOPROPYLETHANOL      | 10U  | 4-CHLOROPHENYL PHENYL ETHER          |
| 10U  | (3-AND/OR 4-)METHYLPHENOL        | 10U  | FLUORENE                             |
| 10U  | N-NITROSODI-N-PROPYLAMINE        | 25U  | 4-NITROANILINE                       |
| 10U  | HEXACHLOROETHANE                 | 25U  | 2-METHYL-4,6-DINITROPHENOL           |
| 10U  | NITROBENZENE                     | 10U  | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| 10U  | ISOPHORONE                       | 10U  | 4-BROMOPHENYL PHENYL ETHER           |
| 10U  | 2-NITROPHENOL                    | 10U  | HEXACHLOROBENZENE (HCB)              |
| 10U  | 2,4-DIMETHYLPHENOL               | 25U  | PHENANTHRENE                         |
| 10U  | BIS(2-CHLOROETHOXY) METHANE      | 10U  | ANTHRACENE                           |
| 10U  | 2,4-DICHLOROPHENOL               | 10U  | CARBAZOLE                            |
| 10U  | 1,2,4-TRICHLOROBENZENE           | 10U  | DI-N-BUTYL PHTHALATE                 |
| 10U  | NAPHTHALENE                      | 10U  | FLUORANTHENE                         |
| 10U  | 4-CHLOROANILINE                  | 10U  | PYRENE                               |
| 10U  | HEXACHLOROBTADIENE               | 10U  | BENZYL BUTYL PHTHALATE               |
| 10U  | 4-CHLORO-3-METHYLPHENOL          | 10U  | 3,3'-DICHLOROBENZIDINE               |
| 10U  | 2-METHYLNAPHTHALENE              | 10U  | BENZO(A)ANTHRACENE                   |
| 10U  | HEXACHLOROCYCLOPENTADIENE (HCCP) | 10U  | CHRYSENE                             |
| 10U  | 2,4,6-TRICHLOROPHENOL            | 10U  | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 25U  | 2,4,5-TRICHLOROPHENOL            | 10U  | DI-N-OCTYL PHTHALATE                 |
| 10U  | 2-NITRONAPHTHALENE               | 10U  | BENZO(B AND/OR K)FLUORANTHENE        |
| 10U  | 2-CHLORONAPHTHALENE              | 10U  | BENZO-A-PYRENE                       |
| 25U  | DIMETHYL PHTHALATE               | 10U  | INDENO (1,2,3-CD) PYRENE             |
| 10U  | ACENAPHTHYLENE                   | 10U  | DIBENZO(A,H)ANTHRACENE               |
| 10U  | 2,6-DINITROTOLUENE               | 10U  | BENZO(GHI)PERYLENE                   |

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
 \*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*I-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. 92-0679 SAMPLE NO. 69724 SAMPLE TYPE: GROUNDWA  
 SOURCE: HERCULES INC  
 STATION ID: TW-05  
 SAS NO.:  
 D. NO.: DH74  
 PROG ELEM: NSF COLLECTED BY: C HELM  
 CITY: HATTESBURG ST: MS  
 COLLECTION START: 06/25/92 1050 STOP: 00/00/00

UG/L ANALYTICAL RESULTS UG/L ANALYTICAL RESULTS

|     |                                  |     |                                      |
|-----|----------------------------------|-----|--------------------------------------|
| 10U | PHENOL                           | 25U | 3-NITROANILINE                       |
| 10U | BIS(2-CHLOROETHYL) ETHER         | 10U | ACENAPHTHENE                         |
| 10U | 2-CHLOROPHENOL                   | 25U | 2,4-DINITROPHENOL                    |
| 10U | 1,3-DICHLOROBENZENE              | 25U | 4-NITROPHENOL                        |
| 10U | 1,4-DICHLOROBENZENE              | 10U | DIBENZOFURAN                         |
| 10U | 1,2-DICHLOROBENZENE              | 10U | 2,4-DINITROTOLUENE                   |
| 10U | 2-METHYLPHENOL                   | 10U | DIETHYL PHTHALATE                    |
| 10U | 2,2'-CHLORODISOPROPYLETHAN       | 10U | 4-CHLOROPHENYL PHENYL ETHER          |
| 10U | (3-AND/OR 4-)METHYLPHENOL        | 10U | FLUORENE                             |
| 10U | N-NITROSODI-N-PROPYLAMINE        | 25U | 4-NITROANILINE                       |
| 10U | HEXACHLOROETHANE                 | 25U | 2-METHYL-4,6-DINITROPHENOL           |
| 10U | NITROBENZENE                     | 10U | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| 10U | ISOPHORONE                       | 10U | 4-BROMOPHENYL PHENYL ETHER           |
| 10U | 2-NITROPHENOL                    | 25U | HEXACHLOROENZENE (HCB)               |
| 10U | 2,4-DIMETHYLPHENOL               | 10U | PHENANTHRENE                         |
| 10U | BIS(2-CHLOROETHOXY) METHANE      | 10U | ANTHRACENE                           |
| 10U | 2,4-DICHLOROPHENOL               | 10U | CARBAZOLE                            |
| 10U | 1,2,4-TRICHLOROBENZENE           | 10U | DI-N-BUTYL PHTHALATE                 |
| 10U | NAPHTHALENE                      | 10U | FLUORANTHENE                         |
| 10U | 4-CHLOROANILINE                  | 10U | PYRENE                               |
| 10U | HEXACHLOROBTADIENE               | 10U | BENZYL BUTYL PHTHALATE               |
| 10U | 4-CHLORO-3-METHYLPHENOL          | 10U | 3,3'-DICHLOROBENZIDINE               |
| 10U | 2-METHYLNAPHTHALENE              | 10U | BENZO(A)ANTHRACENE                   |
| 10U | HEXACHLOROCYCLOPENTADIENE (HCCP) | 10U | CHRYSENE                             |
| 10U | 2,4,6-TRICHLOROPHENOL            | 10U | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 25U | 2,4,5-TRICHLOROPHENOL            | 10U | DI-N-OCTYL PHTHALATE                 |
| 10U | 2-CHLORONAPHTHALENE              | 10U | BENZO(B AND/OR K) FLUORANTHENE       |
| 25U | 2-NITRONAPHTHALENE               | 10U | BENZO-A-PYRENE                       |
| 10U | DIMETHYL PHTHALATE               | 10U | INDENO (1,2,3-CD) PYRENE             |
| 10U | ACENAPHTHYLENE                   | 10U | DIBENZO(A,H)ANTHRACENE               |
| 10U | 2,6-DINITROTOLUENE               | 10U | BENZO(GHI)PERYLENE                   |

\*\*\*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  
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 \*R-QC INDICATES THAT DATA UNSABLE. 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: 69714 SAMPLE TYPE: SOIL  
SOURCE: HERCULES INC  
STATION ID: SD-01  
CASE NO.: 18341  
SAS NO.:  
PROG ELEM: NSF COLLECTED BY: C HELM  
CITY: HATTIESBURG ST: MS  
COLLECTION START: 06/24/92 MD NO: DC64 STOP: 00/00/00  
D. NO.: DH64

ANALYTICAL RESULTS UG/KG  
6000J 3 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*  
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT  
\*R-OC INDICATES THAT DATA UNSABLE. 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. 69717 SAMPLE TYPE: SOIL  
 SOURCE: HERCULES INC  
 STATION ID: SD-02  
 CASE NO.: 18341 SAS NO.:  
 PROG ELEM: NSF COLLECTED BY: C HELM  
 CITY: HATTIESBURG ST: MS STOP: 00/00/00  
 COLLECTION START: 06/24/92 MD NO: DC67  
 D. NO.: DH67

ANALYTICAL RESULTS UG/KG  
 6 UNIDENTIFIED COMPOUNDS  
 3000UJ NONYLPHENOL  
 3000UJ HEXADECANOIC ACID  
 5000UJ METHYLANTHRACENE  
 5000UJ OCTAHYDRODIMEHYL (METHYLETHYL)PHENANTHRENE  
 5000UJ CARBOXYALDEHYDE

\*\*\*FOOTNOTES\*\*\*  
 \*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 \*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.  
 \*NA-NOT ANALYZED \*NA1-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 92-0629      SAMPLE NO. 69720      SAMPLE TYPE: SOIL

SOURCE: HERCULES INC

STATION ID: SS-03

CASE NO.: 18341

ANALYTICAL RESULTS

SAS NO.:

D. NO.: DH70

UG/KG      ANALYTICAL RESULTS      UG/KG

PROG ELEM: NSF      COLLECTED BY: C HELM

CITY: HATTIESBURG      ST: MS

COLLECTION START: 06/25/92      0725      STOP: 00/00/00

| UG/KG  | ANALYTICAL RESULTS               | UG/KG  | ANALYTICAL RESULTS                   |
|--------|----------------------------------|--------|--------------------------------------|
| 4200U  | PHENOL                           | 10000U | 3-NITROANILINE                       |
| 4200U  | BIS(2-CHLOROETHYL) ETHER         | 4200U  | ACENAPHTHENE                         |
| 4200U  | 2-CHLOROPHENOL                   | 10000U | 2,4-DINITROPHENOL                    |
| 4200U  | 1,3-DICHLOROBENZENE              | 10000U | 4-NITROPHENOL                        |
| 4200U  | 1,4-DICHLOROBENZENE              | 4200U  | DIBENZOFURAN                         |
| 4200U  | 1,2-DICHLOROBENZENE              | 4200U  | 2,4-DINITROTOLUENE                   |
| 4200U  | 2-METHYLPHENOL                   | 4200U  | DIETHYL PHTHALATE                    |
| 4200U  | 2,2'-CHLOROISOPROPYL ETHER       | 4200U  | 4-CHLOROPHENYL PHENYL ETHER          |
| 4200U  | (3-AND/OR 4-)METHYLPHENOL        | 4200U  | FLUORENE                             |
| 4200U  | N-NITROSODI-N-PROPYLAMINE        | 10000U | 4-NITROANILINE                       |
| 4200U  | HEXACHLOROETHANE                 | 10000U | 2-METHYL-4,6-DINITROPHENOL           |
| 4200U  | NITROBENZENE                     | 4200U  | N-NITROSODIPHENYLAMINE/DIPHENYLAMINE |
| 4200U  | ISOPHORONE                       | 4200U  | 4-BROMOPHENYL PHENYL ETHER           |
| 4200U  | 2-NITROPHENOL                    | 4200U  | HEXACHLOROBENZENE (HCB)              |
| 4200U  | 2,4-DIMETHYLPHENOL               | 10000U | PENTACHLOROPHENOL                    |
| 4200U  | BIS(2-CHLOROETHOXY) METHANE      | 4200U  | ANTHRACENE                           |
| 4200U  | 2,4-DICHLOROPHENOL               | 4200U  | CARBAZOLE                            |
| 4200U  | 1,2,4-TRICHLOROBENZENE           | 4200U  | DI-N-BUTYL PHTHALATE                 |
| 4200U  | NAPHTHALENE                      | 4200U  | FLUORANTHENE                         |
| 4200U  | 4-CHLOROANILINE                  | 4200U  | PYRENE                               |
| 4200U  | HEXACHLOROBTADIENE               | 4200U  | BENZYL BUTYL PHTHALATE               |
| 4200U  | 4-CHLORO-3-METHYLPHENOL          | 4200U  | FLUORANTHENE                         |
| 4200U  | 2-METHYLNAPHTHALENE              | 4200U  | 3,3'-DICHLOROBNZIDINE                |
| 4200U  | HEXACHLOROCYCLOPENTADIENE (HCCP) | 4200U  | BENZO(A)ANTHRACENE                   |
| 4200U  | 2,4,6-TRICHLOROPHENOL            | 4200U  | CHRYSENE                             |
| 10000U | 2-CHLORONAPHTHALENE              | 4200U  | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 10000U | 2-NITROANILINE                   | 4200U  | DI-N-OCTYL PHTHALATE                 |
| 4200U  | DIMETHYL PHTHALATE               | 4200U  | BENZO(B AND/OR K)FLUORANTHENE        |
| 4200U  | ACENAPHTHYLENE                   | 4200U  | BENZO-A-PYRENE                       |
| 4200U  | 2,6-DINITROTOLUENE               | 4200U  | INDENO (1,2,3-CD) PYRENE             |
|        |                                  | 4200U  | DIBENZO(A,H)ANTHRACENE               |
|        |                                  | 4200U  | 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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EXTRACTABLE ORGANICS DATA REPORT  
 PROJECT NO. 92-0629 SAMPLE NO. 69721 SAMPLE TYPE: SOIL  
 SOURCE: HERCULES INC. STATION ID: 55-04  
 PROG ELEM: NSF COLLECTED BY: C HELM  
 CITY: HATIESBURG ST: MS  
 COLLECTION START: 06/25/92 0845 STOP: 00/00/00

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

| UG/KG | ANALYTICAL RESULTS               | UG/KG | ANALYTICAL RESULTS                   |
|-------|----------------------------------|-------|--------------------------------------|
| 330U  | PHENOL                           | 810U  | 3-NITROANILINE                       |
| 330U  | BIS(2-CHLOROETHYL) ETHER         | 330U  | ACENAPHTHENE                         |
| 330U  | 2-CHLOROPHENOL                   | 810U  | 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-CHLOROISOPROPYL ETHER          | 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  | HEXACHLOROENZENE (HCB)               |
| 330U  | 2,4-DIMETHYLPHENOL               | 810U  | PHENANTHRENE                         |
| 330U  | BIS(2-CHLOROETHOXY) METHANE      | 48J   | ANTHRACENE                           |
| 330U  | 2,4-DICHLOROPHENOL               | 330U  | CARBAZOLE                            |
| 330U  | 1,2,4-TRICHLOROBENZENE           | 330U  | DI-N-BUTYL PHTHALATE                 |
| 330U  | NAPHTHALENE                      | 330U  | FLUORANTHENE                         |
| 330U  | 4-CHLOROANILINE                  | 330U  | PYRENE                               |
| 330U  | HEXACHLOROBTADIENE               | 330U  | BENZYL BUTYL PHTHALATE               |
| 330U  | 4-CHLORO-3-METHYLPHENOL          | 330U  | 3,3'-DICHLOROBENZIDINE               |
| 330U  | 2-METHYLNAPHTHALENE              | 330U  | BENZO(A)ANTHRACENE                   |
| 330U  | HEXACHLOROCYCLOPENTADIENE (HCCP) | 330U  | CHRYSENE                             |
| 810U  | 2,4,5-TRICHLOROPHENOL            | 330U  | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 330U  | 2-CHLORONAPHTHALENE              | 330U  | DI-N-OCTYL PHTHALATE                 |
| 810U  | 2-NITROANILINE                   | 330U  | BENZO(B AND/OR K) FLUORANTHENE       |
| 810U  | 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\*\*\*  
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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: SS-05 \*\*\*  
 \*\*\* CASE NO.: 18341 \*\*\* SAS NO.:  
 UG/KG ANALYTICAL RESULTS D. NO.: DH72  
 UG/KG ANALYTICAL RESULTS

| UG/KG | ANALYTICAL RESULTS               | UG/KG | 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              | 350U  | 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'-CHLORISOPROPYLETHER         | 350U  | 4-CHLOROPHENYL PHENYL ETHER          |
| 350U  | (3-AND/OR 4-)METHYLPHENOL        | 350U  | FLUORENE                             |
| 350U  | N-NITROSODI-N-PROPYLAMINE        | 840U  | 4-NITROANILINE                       |
| 350U  | HEXACHLOROETHANE                 | 350U  | 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  | BIS(2-CHLOROETHOXY) METHANE      | 840U  | PHENANTHRENE                         |
| 350U  | 2,4-DICHLOROPHENOL               | 350U  | ANTHRACENE                           |
| 350U  | 1,2,4-TRICHLOROBENZENE           | 350U  | CARBAZOLE                            |
| 350U  | NAPHTHALENE                      | 350U  | DI-N-BUTYL PHTHALATE                 |
| 350U  | 4-CHLORANILINE                   | 350U  | FLUORANTHENE                         |
| 350U  | HEXACHLOROBUTADIENE              | 350U  | PYRENE                               |
| 350U  | 4-CHLORO-3-METHYLPHENOL          | 350U  | BENZYL BUTYL PHTHALATE               |
| 350U  | 2-METHYLNAPHTHALENE              | 350U  | BENZO(A)ANTHRACENE                   |
| 350U  | HEXACHLOROCYCLOPENTADIENE (HCCP) | 350U  | CHRYSENE                             |
| 350U  | 2,4,6-TRICHLOROPHENOL            | 350U  | BIS(2-ETHYLHEXYL) PHTHALATE          |
| 840U  | 2-CHLORONAPHTHALENE              | 350U  | DI-N-OCTYL PHTHALATE                 |
| 350U  | 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(GHI)PERYLENE                   |
|       |                                  | 6     | PERCENT MOISTURE                     |

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*  
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 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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