MISSISSIPPI
STATE CHEMICAL LABORATORY
BOX CR – MISSISSIPPI STATE, MISSISSIPPI 39762
TELEPHONE: (662) 325-3428 FAX (662) 325-7807

DR. KEVIN L. ARMBRUST
State Chemist

DR. PAUL J. BRIGNAC
Director, IAS Division

January 22, 2008

Analysis No. 39,763-764

Analysis of Soil Marked:

Received on 1-7-08 from MS Dept. of Env. Quality

Address 1542 Old Whitfield Road Pearl, MS 39208 Attn: Jackie Key

RESULTS:

MSCL NO.	39,763	39,764
DEQ #	34811	34812
ANALYTE	**FOUND (Wet Weight)**	
Dioxathion	655ppm	458ppm
Moisture	18.30%	13.60%

Quality Control

Compound	Dioxathion
Matrix Blank	ND
Spiking Level (ppm)	0.40
Level found (ppm)	0.47
Recovery %	118

Lower Limit of Quantification (ppm) = 0.05
ND = None Detected

Analytical Methods

Modification of the following methods:

EPA Method 3545 Pressurized Fluid Extraction (PFE)
EPA Method 3510C Separatory Funnel Liquid-Liquid Extraction

Pesticide determination by GC/MS

Kevin L. Armbrust
State Chemist

PLEASE GIVE NUMBER WHEN REFERRING TO THIS ANALYSIS

14171/0-07

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control Laboratory
1542 Old Whitfield Road
Pearl MS 39208
601-961-5701

Sample Results

To: WILLIAM MCKERCHER

Sample ID:	AA34811
Location Name:	HERCULES INCORPOATION
Location Description:	DELNAV AREA ONE
Location Code:	GARD
Other No.:	
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3047
Requested By:	WILLIAM MCKERCHER
Date Collected:	11/28/07
Time Collected:	15:30
Sample Collector:	WMCKERCHER
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	11/30/2007
Time Received at Lab:	1005

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST
4,4'-DDD	8081	<MQL	µg/kg	34	ESCARBROUGH
4,4'-DDE	8081	<MQL	µg/kg	34	ESCARBROUGH
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Chlordane Tech	8081	<MQL	µg/kg	67	ESCARBROUGH
Chlorpyrifos	8081	<MQL	µg/kg	10	ESCARBROUGH
delta-BHC	8081	<MQL	µg/kg	16	ESCARBROUGH
Dicofol	8081	<MQL	µg/kg	10	ESCARBROUGH
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Mirex	8081	<MQL	µg/kg	10	ESCARBROUGH
Toxaphene	8081	<MQL	µg/kg	58.0	ESCARBROUGH
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TCMX	8081	104	%	38-134	ESCARBROUGH
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	16000	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/kg	16000	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/kg	3300	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/kg	3300	JSHELL
2-Chlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/kg	3300	JSHELL
2-Methylphenol	8270	<MQL	µg/kg	3300	JSHELL
2-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
2-Nitrophenol	8270	<MQL	µg/kg	3300	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	6600	JSHELL
3-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	16000	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	3300	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	3300	JSHELL
4-Chloroaniline	8270	<MQL	µg/kg	3300	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	3300	JSHELL
4-Methylphenol	8270	<MQL	µg/kg	3300	JSHELL
4-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
4-Nitrophenol	8270	<MQL	µg/kg	16000	JSHELL
Acenaphthene	8270	Trace 1150	µg/kg	3300	JSHELL
Acenaphthylene	8270	<MQL	µg/kg	3300	JSHELL
Anthracene	8270	Trace 1670	µg/kg	3300	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/kg	3300	JSHELL

Benzo[b]fluoranthene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/kg	3300	JSHELL
Benzoic Acid	8270	<MQL	µg/kg	16000	JSHELL
Benzyl alcohol	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	3300	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Ethylhexyl)phthalate	8270	35600	µg/kg	3300	JSHELL
Butylbenzylphthalate	8270	4790	µg/kg	3300	JSHELL
Carbazole	8270	<MQL	µg/kg	3300	JSHELL
Chrysene	8270	<MQL	µg/kg	3300	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	3300	JSHELL
Dibenzofuran	8270	<MQL	µg/kg	3300	JSHELL
Diethylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Dimethylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Di-n-butylphthalate	8270	Trace 1270	µg/kg	3300	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Fluoranthene	8270	4410	µg/kg	3300	JSHELL
Fluorene	8270	Trace 1460	µg/kg	3300	JSHELL
Hexachlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/kg	3300	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	3300	JSHELL
Hexachloroethane	8270	<MQL	µg/kg	3300	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/kg	3300	JSHELL
Isophorone	8270	<MQL	µg/kg	3300	JSHELL
Naphthalene	8270	Trace 1070	µg/kg	3300	JSHELL
Nitrobenzene	8270	<MQL	µg/kg	3300	JSHELL
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	3300	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	3300	JSHELL
Pentachlorophenol	8270	<MQL	µg/kg	6600	JSHELL
Phenanthrene	8270	8150	µg/kg	3300	JSHELL
Phenol	8270	<MQL	µg/kg	3300	JSHELL
Pyrene	8270	Trace 3100	µg/kg	3300	JSHELL
2,4,6-Tribromophenol	8270	83	%	19-122	JSHELL
2-Fluorobiphenyl	8270	*125	%	30-115	JSHELL
2-Fluorophenol	8270	70	%	25-121	JSHELL
Nitrobenzene-d5	8270	98	%	23-120	JSHELL
Phenol-d5	8270	78	%	24-113	JSHELL
p-Terphenyl-d14	8270	125	%	18-137	JSHELL
1,1,1,2-Tetrachloroethane	8260S	<MQL	µg/kg	200	BBATES
1,1,1-Trichloroethane	8260S	<MQL	µg/kg	200	BBATES

1,1,2,2-Tetrachloroethane	8260S	<MQL	µg/kg	200	BBATES
1,1,2-Trichloroethane	8260S	<MQL	µg/kg	200	BBATES
1,1-Dichloroethane	8260S	<MQL	µg/kg	200	BBATES
1,1-Dichloroethene	8260S	<MQL	µg/kg	200	BBATES
1,1-Dichloropropene	8260S	<MQL	µg/kg	200	BBATES
1,2,3-Trichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
1,2,3-Trichloropropane	8260S	<MQL	µg/kg	200	BBATES
1,2,4-Trichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
1,2,4-Trimethylbenzene	8260S	<MQL	µg/kg	200	BBATES
1,2-Dibromo-3-chloropropane	8260S	<MQL	µg/kg	200	BBATES
1,2-Dibromoethane	8260S	<MQL	µg/kg	200	BBATES
1,2-Dichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
1,2-Dichloroethane	8260S	<MQL	µg/kg	200	BBATES
1,2-Dichloropropane	8260S	<MQL	µg/kg	200	BBATES
1,3,5-Trimethylbenzene	8260S	<MQL	µg/kg	200	BBATES
1,3-Dichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
1,3-Dichloropropane	8260S	<MQL	µg/kg	200	BBATES
1,4-Dichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
2,2-Dichloropropane	8260S	<MQL	µg/kg	200	BBATES
2-Butanone (MEK)	8260S	<MQL	µg/kg	200	BBATES
2-Chlorotoluene	8260S	<MQL	µg/kg	200	BBATES
2-Hexanone	8260S	<MQL	µg/kg	200	BBATES
4-Chlorotoluene	8260S	<MQL	µg/kg	200	BBATES
4-Isopropyltoluene	8260S	<MQL	µg/kg	200	BBATES
4-Methyl-2-pentanone (MIBK)	8260S	<MQL	µg/kg	200	BBATES
Acetone	8260S	<MQL	µg/kg	200	BBATES
Benzene	8260S	77.5 trace	µg/kg	200	BBATES
Bromobenzene	8260S	<MQL	µg/kg	200	BBATES
Bromochloromethane	8260S	<MQL	µg/kg	200	BBATES
Bromodichloromethane	8260S	<MQL	µg/kg	200	BBATES
Bromoform	8260S	<MQL	µg/kg	200	BBATES
Bromomethane	8260S	<MQL	µg/kg	200	BBATES
Carbon Tetrachloride	8260S	<MQL	µg/kg	200	BBATES
Chlorobenzene	8260S	<MQL	µg/kg	200	BBATES
Chloroethane	8260S	<MQL	µg/kg	200	BBATES
Chloroform	8260S	<MQL	µg/kg	200	BBATES
Chloromethane	8260S	<MQL	µg/kg	200	BBATES
cis-1,2-Dichloroethene	8260S	<MQL	µg/kg	200	BBATES
cis-1,3-Dichloropropene	8260S	<MQL	µg/kg	200	BBATES
Dibromochloromethane	8260S	<MQL	µg/kg	200	BBATES
Dibromomethane	8260S	<MQL	µg/kg	200	BBATES
Dichlorodifluoromethane	8260S	<MQL	µg/kg	200	BBATES

Ethylbenzene	8260S	8.25 trace	µg/kg	200	BBATES
Hexachlorobutadiene	8260S	<MQL	µg/kg	200	BBATES
Isopropylbenzene	8260S	<MQL	µg/kg	200	BBATES
m & p -Xylene	8260S	25.8 trace	µg/kg	200	BBATES
Methyl tertiary butyl ether	8260S	<MQL	µg/kg	200	BBATES
Methylene Chloride	8260S	<MQL	µg/kg	200	BBATES
Naphthalene	8260S	<MQL	µg/kg	200	BBATES
n-Butylbenzene	8260S	<MQL	µg/kg	200	BBATES
n-Propylbenzene	8260S	<MQL	µg/kg	200	BBATES
o - Xylene	8260S	12.6 trace	µg/kg	200	BBATES
sec-Butylbenzene	8260S	<MQL	µg/kg	200	BBATES
Styrene	8260S	<MQL	µg/kg	200	BBATES
tert-Butylbenzene	8260S	<MQL	µg/kg	200	BBATES
Tetrachloroethene	8260S	<MQL	µg/kg	200	BBATES
Toluene	8260S	23.6 trace	µg/kg	200	BBATES
trans-1,2-Dichloroethene	8260S	<MQL	µg/kg	200	BBATES
trans-1,3-dichloropropene	8260S	<MQL	µg/kg	200	BBATES
Trichloroethene	8260S	<MQL	µg/kg	200	BBATES
Trichlorofluoromethane	8260S	<MQL	µg/kg	200	BBATES
Vinyl Chloride	8260S	<MQL	µg/kg	200	BBATES
1,2-Dichloroethane-d4	8260S	112	%	80-120	BBATES
Dibromofluromethane	8260S	103	%	80-118	BBATES
p-Bromoflurobenzene	8260S	108	%	80-115	BBATES
Toluene-d8	8260S	91	%	80-118	BBATES

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated

>: greater than
z: surrogate
COC Date: Date Chain of Custody Signed
COC TIME: Time Chain of Custody

SAMPLE COMMENTS

WHERE TAKEN: AREA BESIDE SUMP AT MW -7

Semi-Vol:

1) TIC: Phosphorodithioic Acid, O,O-diethyl ester. --- Est. Conc. = 37,500 ug

2) TIC: Dioxathion --- Est. Conc. = 37,500 ug/Kg

3) Note - The recovery of the surrogate 2-Fluouo-1,1'-biphenyl is high

and outside method limits. JES

*Pesticide: Surrogate recovery high due to sample interference. ES

Sample Validation Date 1/25/08

Validated By

Date Report Printed 1/31/2008

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name HERCULES INC
County Code FORREST NPDES Permit No. _____
Discharge No. _____ Date Requested 11/30/07
Sample Point Identification Delwan Area 1
Requested By William McKercher Data To William McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKercher
Where Taken Area beside sump at MW-17

	Type	Parameters	Preservative	Date	Time
1.	Soil	VOC- 8260	NONE	11/28/07	1530
2.	Soil	SVOC- 8270	NONE	11/28/07	1530
3.	Soil	Dioxithion	NONE	11/28/07	1530
4.	Soil	Pesticide	NONE	11/28/07	1530
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Tony Sawyer Date 11-30-07 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3077 34811

MISSISSIPPI
STATE CHEMICAL LABORATORY
BOX CR – MISSISSIPPI STATE, MISSISSIPPI 39762
TELEPHONE: (662) 325-3428 FAX (662) 325-7807

DR. KEVIN L. ARMBRUST
State Chemist

DR. PAUL J. BRIGNAC
Director, IAS Division

January 22, 2008

Analysis No. 39,763-764

Analysis of Soil Marked:

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Attn: Jackie Key

Address 1542 Old Whitfield Road Pearl, MS 39208

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Pesticide determination by GC/MS

Kevin L. Armbrust

State Chemist

PLEASE GIVE NUMBER WHEN REFERRING TO THIS ANALYSIS

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control Laboratory
1542 Old Whitfield Road
Pearl MS 39208
601-961-5701

Sample Results

To: WILLIAM MCKERCHER

Sample ID:	AA34812
Location Name:	HERCULES INCORPOATION
Location Description:	DELNAV AREA TWO
Location Code:	GARD
Other No.:	
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3047
Requested By:	WILLIAM MCKERCHER
Date Collected:	11/28/07
Time Collected:	15:50
Sample Collector:	WMCKERCHER
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	11/30/2007
Time Received at Lab:	1005

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Alpha-Chlordane	8081	<MQL	µg/kg	5.4	ESCARBROUGH
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Chlordane Tech	8081	<MQL	µg/kg	67	ESCARBROUGH
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2,4,5-Trichlorophenol	8270	<MQL	µg/kg	16000	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/kg	16000	JSHELL
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2-Chloronaphthalene	8270	<MQL	µg/kg	3300	JSHELL
2-Chlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/kg	3300	JSHELL
2-Methylphenol	8270	<MQL	µg/kg	3300	JSHELL
2-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
2-Nitrophenol	8270	<MQL	µg/kg	3300	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	6600	JSHELL
3-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	16000	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	3300	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	3300	JSHELL
4-Chloroaniline	8270	<MQL	µg/kg	3300	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	3300	JSHELL
4-Methylphenol	8270	<MQL	µg/kg	3300	JSHELL
4-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
4-Nitrophenol	8270	<MQL	µg/kg	16000	JSHELL
Acenaphthene	8270	<MQL	µg/kg	3300	JSHELL
Acenaphthylene	8270	<MQL	µg/kg	3300	JSHELL
Anthracene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/kg	3300	JSHELL

Benzo[b]fluoranthene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/kg	3300	JSHELL
Benzoic Acid	8270	<MQL	µg/kg	16000	JSHELL
Benzyl alcohol	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	3300	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	3300	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Carbazole	8270	<MQL	µg/kg	3300	JSHELL
Chrysene	8270	<MQL	µg/kg	3300	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	3300	JSHELL
Dibenzofuran	8270	<MQL	µg/kg	3300	JSHELL
Diethylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Dimethylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Fluoranthene	8270	<MQL	µg/kg	3300	JSHELL
Fluorene	8270	<MQL	µg/kg	3300	JSHELL
Hexachlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/kg	3300	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	3300	JSHELL
Hexachloroethane	8270	<MQL	µg/kg	3300	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/kg	3300	JSHELL
Isophorone	8270	<MQL	µg/kg	3300	JSHELL
Naphthalene	8270	<MQL	µg/kg	3300	JSHELL
Nitrobenzene	8270	<MQL	µg/kg	3300	JSHELL
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	3300	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	3300	JSHELL
Pentachlorophenol	8270	<MQL	µg/kg	6600	JSHELL
Phenanthrene	8270	<MQL	µg/kg	3300	JSHELL
Phenol	8270	<MQL	µg/kg	3300	JSHELL
Pyrene	8270	<MQL	µg/kg	3300	JSHELL
2,4,6-Tribromophenol	8270	90	%	19-122	JSHELL
2-Fluorobiphenyl	8270	*129	%	30-115	JSHELL
2-Fluorophenol	8270	74	%	25-121	JSHELL
Nitrobenzene-d5	8270	102	%	23-120	JSHELL
Phenol-d5	8270	80	%	24-113	JSHELL
p-Terphenyl-d14	8270	128	%	18-137	JSHELL
1,1,1,2-Tetrachloroethane	8260S	<MQL	µg/kg	200	BBATES
1,1,1-Trichloroethane	8260S	<MQL	µg/kg	200	BBATES

1,1,2,2-Tetrachloroethane	8260S	<MQL	µg/kg	200	BBATES
1,1,2-Trichloroethane	8260S	<MQL	µg/kg	200	BBATES
1,1-Dichloroethane	8260S	<MQL	µg/kg	200	BBATES
1,1-Dichloroethene	8260S	<MQL	µg/kg	200	BBATES
1,1-Dichloropropene	8260S	<MQL	µg/kg	200	BBATES
1,2,3-Trichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
1,2,3-Trichloropropane	8260S	<MQL	µg/kg	200	BBATES
1,2,4-Trichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
1,2,4-Trimethylbenzene	8260S	<MQL	µg/kg	200	BBATES
1,2-Dibromo-3-chloropropane	8260S	<MQL	µg/kg	200	BBATES
1,2-Dibromoethane	8260S	<MQL	µg/kg	200	BBATES
1,2-Dichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
1,2-Dichloroethane	8260S	<MQL	µg/kg	200	BBATES
1,2-Dichloropropane	8260S	<MQL	µg/kg	200	BBATES
1,3,5-Trimethylbenzene	8260S	<MQL	µg/kg	200	BBATES
1,3-Dichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
1,3-Dichloropropane	8260S	<MQL	µg/kg	200	BBATES
1,4-Dichlorobenzene	8260S	<MQL	µg/kg	200	BBATES
2,2-Dichloropropane	8260S	<MQL	µg/kg	200	BBATES
2-Butanone (MEK)	8260S	<MQL	µg/kg	200	BBATES
2-Chlorotoluene	8260S	<MQL	µg/kg	200	BBATES
2-Hexanone	8260S	<MQL	µg/kg	200	BBATES
4-Chlorotoluene	8260S	<MQL	µg/kg	200	BBATES
4-Isopropyltoluene	8260S	<MQL	µg/kg	200	BBATES
4-Methyl-2-pentanone (MIBK)	8260S	<MQL	µg/kg	200	BBATES
Acetone	8260S	<MQL	µg/kg	200	BBATES
Benzene	8260S	<MQL	µg/kg	200	BBATES
Bromobenzene	8260S	<MQL	µg/kg	200	BBATES
Bromochloromethane	8260S	<MQL	µg/kg	200	BBATES
Bromodichloromethane	8260S	<MQL	µg/kg	200	BBATES
Bromoform	8260S	<MQL	µg/kg	200	BBATES
Bromomethane	8260S	<MQL	µg/kg	200	BBATES
Carbon Tetrachloride	8260S	<MQL	µg/kg	200	BBATES
Chlorobenzene	8260S	<MQL	µg/kg	200	BBATES
Chloroethane	8260S	<MQL	µg/kg	200	BBATES
Chloroform	8260S	<MQL	µg/kg	200	BBATES
Chloromethane	8260S	<MQL	µg/kg	200	BBATES
cis-1,2-Dichloroethene	8260S	<MQL	µg/kg	200	BBATES
cis-1,3-Dichloropropene	8260S	<MQL	µg/kg	200	BBATES
Dibromochloromethane	8260S	<MQL	µg/kg	200	BBATES
Dibromomethane	8260S	<MQL	µg/kg	200	BBATES
Dichlorodifluoromethane	8260S	<MQL	µg/kg	200	BBATES

Ethylbenzene	8260S	<MQL	µg/kg	200	BBATES
Hexachlorobutadiene	8260S	<MQL	µg/kg	200	BBATES
Isopropylbenzene	8260S	<MQL	µg/kg	200	BBATES
m & p -Xylene	8260S	8.55 trace	µg/kg	200	BBATES
Methyl tertiary butyl ether	8260S	<MQL	µg/kg	200	BBATES
Methylene Chloride	8260S	<MQL	µg/kg	200	BBATES
Naphthalene	8260S	<MQL	µg/kg	200	BBATES
n-Butylbenzene	8260S	<MQL	µg/kg	200	BBATES
n-Propylbenzene	8260S	<MQL	µg/kg	200	BBATES
o - Xylene	8260S	<MQL	µg/kg	200	BBATES
sec-Butylbenzene	8260S	<MQL	µg/kg	200	BBATES
Styrene	8260S	<MQL	µg/kg	200	BBATES
tert-Butylbenzene	8260S	<MQL	µg/kg	200	BBATES
Tetrachloroethene	8260S	30.2 trace	µg/kg	200	BBATES
Toluene	8260S	120 trace	µg/kg	200	BBATES
trans-1,2-Dichloroethene	8260S	<MQL	µg/kg	200	BBATES
trans-1,3-dichloropropene	8260S	<MQL	µg/kg	200	BBATES
Trichloroethene	8260S	<MQL	µg/kg	200	BBATES
Trichlorofluoromethane	8260S	<MQL	µg/kg	200	BBATES
Vinyl Chloride	8260S	<MQL	µg/kg	200	BBATES
1,2-Dichloroethane-d4	8260S	116	%	80-120	BBATES
Dibromofluromethane	8260S	109	%	80-118	BBATES
p-Bromoflurobenzene	8260S	104	%	80-115	BBATES
Toluene-d8	8260S	92	%	80-118	BBATES

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

ABBREVIATIONS / DEFINITIONS

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated

>: greater than
z: surrogate
COC Date: Date Chain of Custody Signed
COC TIME: Time Chain of Custody

SAMPLE COMMENTS

WHERE TAKEN: AREA NORTH OF SUMP AT MW-17

Semi-Vol:

1) TIC: Triethylphosphorothioate --- Est. Conc. = 40,200 ug/Kg.

2) TIC: Phosphorodithioic Acid, O,O-diethyl ester --- Est. Conc. = 49,100 u

3) TIC: Dioxathion --- Est. Conc. = 58,900 ug/Kg.

4) Note - The recovery of surrogate compound 2-Fluoro-1,1'-biphenyl is high and outside method limits.

*Pesticide: Surrogate recovery high due to sample interference. ES

Sample Validation Date 1/25/08

Validated By

Date Report Printed 1/31/2008

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name HERCULES INC
County Code FORREST CO NPDES Permit No. _____
Discharge No. _____ Date Requested 11/30/07
Sample Point Identification Delwav Area 2
Requested By William McKerchar Data To William McKerchar
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKerchar
Where Taken Area north of sump at MW-17

	Type	Parameters	Preservative	Date	Time
1.	Soil	VOC-8260	NONE	11/28/07	1550
2.	Soil	SVOC-8270	NONE	11/28/07	1550
3.	Soil	Dioxithion	NONE	11/28/07	1550
4.	Soil	Pesticides	NONE	11/28/07	1550
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Tammy Davis Date 11-30-07 Time 1105
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 34812

MISSISSIPPI
STATE CHEMICAL LABORATORY
BOX CR — MISSISSIPPI STATE, MISSISSIPPI 39762
TELEPHONE: (662) 325-3428 FAX (662) 325-7807

DR. KEVIN L. ARMBRUST
State Chemist

DR. PAUL J. BRIGNAC
Director, IAS Division

January 22, 2008

Analysis No. 39,763-764

Analysis of Soil Marked:

Received on 1-7-08 from MS Dept. of Env. Quality
Attn: Jackie Key

Address 1542 Old Whitfield Road Pearl, MS 39208

RESULTS:

MSCL NO.	39,763	39,764
DEQ #	34811	34812
ANALYTE	**FOUND (Wet Weight)**	
Dioxathion	**655ppm**	**458ppm**
Moisture	18.30%	13.60%

Quality Control

Compound	**Dioxathion**
Matrix Blank	ND
Spiking Level (ppm)	0.40
Level found (ppm)	0.47
Recovery %	118

Lower Limit of Quantification (ppm) = 0.05
ND = None Detected

Analytical Methods

Modification of the following methods:

EPA Method 3545 Pressurized Fluid Extraction (PFE)
EPA Method 3510C Separatory Funnel Liquid-Liquid Extraction

Pesticide determination by GC/MS

Kevin L Armbrust

State Chemist

PLEASE GIVE NUMBER WHEN REFERRING TO THIS ANALYSIS

14171/8-07

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	WILLIAM MCKERCHER	Study:	GARD
		QA Type:	
Sample ID:	AA34809	Date Collected:	11/28/2007
Facility Name:	HERCULES INCORPOATION	Time Collected:	14:25
Sampling Loc:	MW 8	Sample Collector:	WMCKERCHER
Location ID:		To Lab:	SV
Site ID:	GARD	Sample Type:	GROUNDWATER
Discharge No		Received By:	TAMMY SAWYER
Other No:	MW-8	Date Received:	11/30/2007
Permit No:		Time Received:	1005
Latitude:		Project:	3047
Longitude			
County:	035 FORREST	Hydrologic Data	
Basin:		Tape Reading (ft):	
HUC:		+ Ding Whap (ft):	
		= Tape Down (ft):	

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,1,1,2-Tetrachloroethane	8260	<MQL	µg/L	5	BBATES
1,1,1-Trichloroethane	8260	<MQL	µg/L	5	BBATES
1,1,2,2-Tetrachloroethane	8260	<MQL	µg/L	5	BBATES
1,1,2-Trichloroethane	8260	<MQL	µg/L	5	BBATES
1,1-Dichloroethane	8260	<MQL	µg/L	5	BBATES
1,1-Dichloroethene	8260	<MQL	µg/L	5	BBATES
1,1-Dichloropropene	8260	<MQL	µg/L	5	BBATES
1,2,3-Trichlorobenzene	8260	<MQL	µg/L	5	BBATES
1,2,3-Trichloropropane	8260	<MQL	µg/L	5	BBATES
1,2,4-Trichlorobenzene	8260	<MQL	µg/L	5	BBATES
1,2,4-Trimethylbenzene	8260	<MQL	µg/L	5	BBATES
1,2-Dibromo-3-chloropropane	8260	<MQL	µg/L	5	BBATES
1,2-Dibromoethane	8260	<MQL	µg/L	5	BBATES
1,2-Dichlorobenzene	8260	<MQL	µg/L	5	BBATES
1,2-Dichloroethane	8260	<MQL	µg/L	5	BBATES
1,2-Dichloropropane	8260	<MQL	µg/L	5	BBATES
1,3,5-Trimethylbenzene	8260	<MQL	µg/L	5	BBATES
1,3-Dichlorobenzene	8260	<MQL	µg/L	5	BBATES
1,3-Dichloropropane	8260	<MQL	µg/L	5	BBATES
1,4-Dichlorobenzene	8260	<MQL	µg/L	5	BBATES
2,2-Dichloropropane	8260	<MQL	µg/L	5	BBATES
2-Butanone (MEK)	8260	<MQL	µg/L	25	BBATES
2-Chlorotoluene	8260	<MQL	µg/L	5	BBATES
2-Hexanone	8260	<MQL	µg/L	25	BBATES
4-Chlorotoluene	8260	<MQL	µg/L	5	BBATES
4-Isopropyltoluene	8260	71.4	µg/L	50	BBATES

4-Methyl-2-pentanone (MIBK)	8260	<MQL	µg/L	25	BBATES
Acetone		376		250	BBATES
Benzene	8260	11,800	µg/L	500	BBATES
Bromobenzene	8260	<MQL	µg/L	5	BBATES
Bromochloromethane	8260	<MQL	µg/L	5	BBATES
Bromodichloromethane	8260	<MQL	µg/L	5	BBATES
Bromoform	8260	<MQL	µg/L	5	BBATES
Bromomethane	8260	<MQL	µg/L	5	BBATES
Carbon Tetrachloride	8260	374	µg/L	50	BBATES
Chlorobenzene	8260	101	µg/L	50	BBATES
Chloroethane	8260	<MQL	µg/L	5	BBATES
Chloroform	8260	50.1	µg/L	50	BBATES
Chloromethane	8260	<MQL	µg/L	5	BBATES
cis-1,2-Dichloroethene	8260	21.0	µg/L	50	BBATES
cis-1,3-Dichloropropene	8260	TRACE <MQL	µg/L	5	BBATES
Dibromochloromethane	8260	<MQL	µg/L	5	BBATES
Dibromomethane	8260	<MQL	µg/L	5	BBATES
Dichlorodifluoromethane	8260	<MQL	µg/L	5	BBATES
Ethylbenzene	8260	121	µg/L	50	BBATES
Hexachlorobutadiene	8260	<MQL	µg/L	5	BBATES
Isopropylbenzene	8260	<MQL	µg/L	5	BBATES
m & p -Xylene	8260	138	µg/L	50	BBATES
Methyl tertiary butyl ether	8260	<MQL	µg/L	5	BBATES
Methylene Chloride	8260	76.8	µg/L	50	BBATES
Naphthalene	8260	<MQL	µg/L	5	BBATES
n-Butylbenzene	8260	<MQL	µg/L	5	BBATES
n-Propylbenzene	8260	<MQL	µg/L	5	BBATES
o - Xylene	8260	80.3	µg/L	50	BBATES
sec-Butylbenzene	8260	<MQL	µg/L	5	BBATES
Styrene	8260	<MQL	µg/L	5	BBATES
tert-Butylbenzene	8260	<MQL	µg/L	5	BBATES
Tetrachloroethene	8260	<MQL	µg/L	5	BBATES
Toluene	8260	107	µg/L	50	BBATES
trans-1,2-Dichloroethene	8260	<MQL	µg/L	5	BBATES
trans-1,3-dichloropropene	8260	<MQL	µg/L	5	BBATES
Trichloroethene	8260	<MQL	µg/L	5	BBATES
Trichlorofluoromethane	8260	<MQL	µg/L	5	BBATES
Vinyl Chloride	8260	<MQL	µg/L	5	BBATES
1,2-Dichloroethane-d4	8260	111	%	80-120	BBATES
Dibromofluromethane	8260	97	%	80-118	BBATES
p-Bromoflurobenzene	8260	101	%	80-115	BBATES
Toluene-d8	8260	94	%	80-118	BBATES

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MQL: Maximum Quantifiable Level	
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	
ug/g: micrograms/gram	LSPC: result less than lower specification	
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Validated By: _____

Validation Date: 01/04/2008

Date Report Printed: 01/04/2008

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name HERCULES INC
County Code FORREST NPDES Permit No. _____
Discharge No. _____ Date Requested 11/30/07
Sample Point Identification MW-8
Requested By William McKercher Data To William McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKercher
Where Taken MW-8

	Type	Parameters	Preservative	WM Date	Time
1.	GW	VOC-8260	HCl / ice	~~1425~~ 11/28/07	1425
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Tony Davis Date 11-30-07 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 34809

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	WILLIAM MCKERCHER
Sample ID:	AA34810
Facility Name:	HERCULES INCORPOATION
Sampling Loc:	MW 17
Location ID:	
Site ID:	GARD
Discharge No	
Other No:	MW-17
Permit No:	
Latitude:	
Longitude	
County:	035 FORREST
Basin:	
HUC:	

Study:	GARD
QA Type:	
Date Collected:	11/28/2007
Time Collected:	15:05
Sample Collector:	WMCKERCHER
To Lab:	SV
Sample Type:	GROUNDWATER
Received By:	TAMMY SAWYER
Date Received:	11/30/2007
Time Received:	1005
Project:	3047

Hydrologic Data

Tape Reading (ft):

+ Ding Whap (ft):

= Tape Down (ft):

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,1,1,2-Tetrachloroethane	8260	<MQL	µg/L	5	BBATES
1,1,1-Trichloroethane	8260	<MQL	µg/L	5	BBATES
1,1,2,2-Tetrachloroethane	8260	<MQL	µg/L	5	BBATES
1,1,2-Trichloroethane	8260	<MQL	µg/L	5	BBATES
1,1-Dichloroethane	8260	<MQL	µg/L	5	BBATES
1,1-Dichloroethene	8260	<MQL	µg/L	5	BBATES
1,1-Dichloropropene	8260	<MQL	µg/L	5	BBATES
1,2,3-Trichlorobenzene	8260	<MQL	µg/L	5	BBATES
1,2,3-Trichloropropane	8260	<MQL	µg/L	5	BBATES
1,2,4-Trichlorobenzene	8260	<MQL	µg/L	5	BBATES
1,2,4-Trimethylbenzene	8260	<MQL	µg/L	5	BBATES
1,2-Dibromo-3-chloropropane	8260	<MQL	µg/L	5	BBATES
1,2-Dibromoethane	8260	<MQL	µg/L	5	BBATES
1,2-Dichlorobenzene	8260	<MQL	µg/L	5	BBATES
1,2-Dichloroethane	8260	<MQL	µg/L	5	BBATES
1,2-Dichloropropane	8260	<MQL	µg/L	5	BBATES
1,3,5-Trimethylbenzene	8260	<MQL	µg/L	5	BBATES
1,3-Dichlorobenzene	8260	<MQL	µg/L	5	BBATES
1,3-Dichloropropane	8260	<MQL	µg/L	5	BBATES
1,4-Dichlorobenzene	8260	<MQL	µg/L	5	BBATES
2,2-Dichloropropane	8260	<MQL	µg/L	5	BBATES
2-Butanone (MEK)	8260	<MQL	µg/L	25	BBATES
2-Chlorotoluene	8260	<MQL	µg/L	5	BBATES
2-Hexanone	8260	<MQL	µg/L	25	BBATES
4-Chlorotoluene	8260	<MQL	µg/L	5	BBATES
4-Isopropyltoluene	8260	674	µg/L	100	BBATES

4-Methyl-2-pentanone (MIBK)	8260	1140	µg/L	500	BBATES
Acetone	8260	1830	µg/L	500	BBATES
Benzene	8260	3050	µg/L	100	BBATES
Bromobenzene	8260	<MQL	µg/L	5	BBATES
Bromochloromethane	8260	<MQL	µg/L	5	BBATES
Bromodichloromethane	8260	<MQL	µg/L	5	BBATES
Bromoform	8260	<MQL	µg/L	5	BBATES
Bromomethane	8260	<MQL	µg/L	5	BBATES
Carbon Tetrachloride	8260	40,000	µg/L	100	BBATES
Chlorobenzene	8260	1040	µg/L	100	BBATES
Chloroethane	8260	<MQL	µg/L	5	BBATES
Chloroform	8260	4590	µg/L	100	BBATES
Chloromethane	8260	<MQL	µg/L	5	BBATES
cis-1,2-Dichloroethene	8260	<MQL	µg/L	5	BBATES
cis-1,3-Dichloropropene	8260	<MQL	µg/L	5	BBATES
Dibromochloromethane	8260	<MQL	µg/L	5	BBATES
Dibromomethane	8260	<MQL	µg/L	5	BBATES
Dichlorodifluoromethane	8260	<MQL	µg/L	5	BBATES
Ethylbenzene	8260	94.8 trace	µg/L	100	BBATES
Hexachlorobutadiene	8260	<MQL	µg/L	5	BBATES
Isopropylbenzene	8260	<MQL	µg/L	5	BBATES
m & p -Xylene	8260	212	µg/L	100	BBATES
Methyl tertiary butyl ether	8260	<MQL	µg/L	5	BBATES
Methylene Chloride	8260	<MQL	µg/L	5	BBATES
Naphthalene	8260	<MQL	µg/L	5	BBATES
n-Butylbenzene	8260	<MQL	µg/L	5	BBATES
n-Propylbenzene	8260	<MQL	µg/L	5	BBATES
o - Xylene	8260	83.4 trace	µg/L	100	BBATES
sec-Butylbenzene	8260	<MQL	µg/L	5	BBATES
Styrene	8260	<MQL	µg/L	5	BBATES
tert-Butylbenzene	8260	<MQL	µg/L	5	BBATES
Tetrachloroethene	8260	<MQL	µg/L	5	BBATES
Toluene	8260	194	µg/L	100	BBATES
trans-1,2-Dichloroethene	8260	<MQL	µg/L	5	BBATES
trans-1,3-dichloropropene	8260	<MQL	µg/L	5	BBATES
Trichloroethene	8260	<MQL	µg/L	5	BBATES
Trichlorofluoromethane	8260	<MQL	µg/L	5	BBATES
Vinyl Chloride	8260	<MQL	µg/L	5	BBATES
1,2-Dichloroethane-d4	8260	112	%	80-120	BBATES
Dibromofluromethane	8260	110	%	80-118	BBATES
p-Bromoflurobenzene	8260	101	%	80-115	BBATES
Toluene-d8	8260	93	%	80-118	BBATES

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MQL: Maximum Quantifiable Level	
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	
ug/g: micrograms/gram	LSPC: result less than lower specification	
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Validated By: D. [illegible]

Validation Date: 01/04/2008

Date Report Printed: 01/04/2008

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name HERCULES INC
County Code FORREST NPDES Permit No. _____
Discharge No. _____ Date Requested 11/30/07
Sample Point Identification MW-17
Requested By William McKercher Data To William McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By _____
Where Taken MW-17

	Type	Parameters	Preservative	Date	Time
1.	GW	VOC-8260	HCl/ice	11/28/07	1505
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By [signature] Date 11-30-07 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 34810

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHAIN OF CUSTODY RECORD

POLLUTION CONTROL LABORATORY
121 Fairmont Plaza
Pearl, Mississippi 39208

PROJECT NAME: HERCULES INC

LOCATION: HATTIESBURG, FORREST COUNTY

SHIPPED TO:

DATA TO:

SAMPLE TYPES
1. SURFACE WATER
2. GROUND WATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDIMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER ______

SAMPLERS (SIGN)
A. William McKercher (signature)
B. (signature)
C. ______
D. ______

ANALYSIS — CIRCLE/ADD parameter desired. List no. of containers submitted.

SITE NO.	SAMPLE TYPE	DATE (~~19~~ 2007)	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	COD. TOC. NUTRIENTS	BOD. SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	~~CYANIDE~~ ~~Herbicides~~ WM	FECAL COLIFORM	Oil & Grease/TPH	~~Phenolics~~ Dioxithion	VOC - 8260	SVOC - 8270	REMARKS	LAB USE ONLY
	2	11/28	1425		✓	MW-8	4										4			34809
	2	11/28	1505		✓	MW-17	4										4			34810
	6	11/28	1530		✓	DelNav Area 1	4				1		X	WM		1	1	1		34811
	6	11/28	1550		✓	DelNav Area 2	4				1		X	WM		1	1	1		34812

Temp 1.0° ac

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT) William McKercher (SIGN) William McKercher	1005 11-30-07	(PRINT) Tammy Sawyer (SIGN) (signature)	(PRINT) (SIGN)		(PRINT) (SIGN)
RELINQUISHED BY: (PRINT) (SIGN)	DATE/TIME	RECEIVED BY: (PRINT) (SIGN)	RELINQUISHED BY: (PRINT) (SIGN)	DATE/TIME	RECEIVED BY: (PRINT) (SIGN)

NOTICE: Must use a separate form for each ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

PAGE ____ OF ____ 3/91

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name HERCULES INC
County Code FORREST CO. NPDES Permit No. _____
Discharge No. _____ Date Requested 11/29/07
Sample Point Identification Deluge Area 6
Requested By William McKeehan Data To William McKeehan
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKeehan
Where Taken Area south of pump at MW-17

	Type	Parameters	Preservative	Date	Time
1.	Soil	VOC-8260	NONE	11/29/07	1550
2.	Soil	SVOC-8270	NONE	11/29/07	1550
3.	Soil	Dioxin/furan	NONE	11/29/07	1550
4.	Soil	Pesticides	NONE	11/29/07	1550
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By Tammy Davis Date 11-30-07 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
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		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

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BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name HERCULES INC
County Code Ernest NPDES Permit No. _____
Discharge No. _____ Date Requested 11/30/07
Sample Point Identification Below Area 1
Requested By William McKeever Data To William McKeever
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKeever
Where Taken Area beside sump at MW-17

	Type	Parameters	Preservative	Date	Time
1.	Soil	VOC - 8260	None	11/28/07	1520
2.	Soil	SVOC - 8270	None	11/28/07	1530
3.	Soil	Dioxithion	None	11/28/07	1530
4.	Soil	Pesticide	None	11/28/07	1530
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____
V. LABORATORY: Received By _____ Date 11-30-07 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
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		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3-47 3481

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name HERCULES INC
County Code FORREST NPDES Permit No. _____
Discharge No. _____ Date Requested 11/30/07
Sample Point Identification MW-17
Requested By William McKeeber Data To William McKeeber
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By _____
Where Taken MW-17

	Type	Parameters	Preservative	Date	Time
1.	GW	VOC-8260	HCl/ice	11/28/07	1505
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By _____ Date 11/30/07 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
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		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047

34x10

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name HERCULES INC
County Code FORREST NPDES Permit No. _____
Discharge No. _____ Date Requested 11/30/07
Sample Point Identification MW-8
Requested By William McKercher Data To William McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKercher
Where Taken MW-3

	Type	Parameters	Preservative	Date	Time
1.	GW	VOC-8260	HCl/ice	WM HES 11/26/07	1425
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By _____ Date 11-30-07 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

3-47

3401

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA34809
Location code **GARD**
Location Description **HERCULES INCORPOATION**
Sample collector **WMCKERCHER**
Collection date: **11/28/2007**
Lab submittal date: **11/30/2007**
Due date: **11/30/2007**
Matrix: **GROUNDWATER**

Login record file: **071130103256**

Collection time: **14:25**
Lab submittal time: **10:22**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO **MW-8**
SAMPLE_LOCATION **MW 8**
COUNTY_CODE _____
REQUESTED_BY **WILLIAM MCKERCHER**

Analyses ordered	Method	Due Date
VOLATILE ORGANICS IN WATER	8260	12/12/2007
VOLATILE ORGANICS SURROGATES	8260	12/12/2007

Sample I.D. AA34810
Location code **GARD**
Location Description **HERCULES INCORPOATION**
Sample collector **WMCKERCHER**
Collection date: **11/28/2007**
Lab submittal date: **11/30/2007**
Due date: **11/30/2007**
Matrix: **GROUNDWATER**

Login record file: **071130103256**

Collection time: **15:05**
Lab submittal time: **10:22**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO **MW-17**
SAMPLE_LOCATION **MW 17**
COUNTY_CODE _____
REQUESTED_BY **WILLIAM MCKERCHER**

Analyses ordered	Method	Due Date
VOLATILE ORGANICS IN WATER	8260	12/12/2007
VOLATILE ORGANICS SURROGATES	8260	12/12/2007

Sample I.D. AA34811
Location code **GARD**
Location Description **HERCULES INCORPOATION**
Sample collector **WMCKERCHER**
Collection date: **11/28/2007**
Lab submittal date: **11/30/2007**
Due date: **11/30/2007**
Matrix: **SOIL**

Login record file: **071130103256**

Collection time: **15:30**
Lab submittal time: **10:22**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **DELNAV AREA ONE**
COUNTY_CODE _____
REQUESTED_BY **WILLIAM MCKERCHER**

Analyses ordered	Method	Due Date
VOLATILE ORGANICS IN SOIL	8260S	12/12/2007
VOLATILE ORGANICS IN SOIL SURROGATES	8260S	12/12/2007
SEMIVOLATILE ORGANICS SOIL/FISH	8270	01/21/2008
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	01/21/2008
Extract For Semi-Volatile Analysis	3520	12/12/2007
Pesticides in Soil	8081	01/21/2008
Extract For Pesticides Soil	3545	12/12/2007
Pesticides in Soil SURROGATES	8081	01/21/2008
Dioxithion, in Soil		01/21/2008
Dioxithion, in Water		01/14/2008

Sample I.D. AA34812
Location code **GARD**
Location Description **HERCULES INCORPOATION**
Sample collector **WMCKERCHER**
Collection date: **11/28/2007**
Lab submittal date: **11/30/2007**
Due date: **11/30/2007**
Matrix: **SOIL**

Login record file: **071130103256**

Collection time: **15:50**
Lab submittal time: **10:22**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **DELNAV AREA TWO**
COUNTY_CODE _____
REQUESTED_BY **WILLIAM MCKERCHER**

Analyses ordered	Method	Due Date
VOLATILE ORGANICS IN SOIL	8260S	12/12/2007
VOLATILE ORGANICS IN SOIL SURROGATES	8260S	12/12/2007
SEMIVOLATILE ORGANICS SOIL/FISH	8270	01/21/2008
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	01/21/2008
Extract For Semi-Volatile Analysis	3520	12/12/2007

Sample I.D. AA34812 (continued):

Analyses ordered	Method	Due Date
Pesticides in Soil	8081	01/21/2008
Extract For Pesticides Soil	3545	12/12/2007
Pesticides in Soil SURROGATES	8081	01/21/2008
Dioxithion, in Soil		01/21/2008
Dioxithion, in Water		01/14/2008

Please refer to the indicated sample I.D. numbers whan making inquiries.

Received by: _____

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

COMPLIANCE MONITORING REPORT

To: WILLIE McKERCHER

Sample ID:	AA32737	QA Type:	
Facility Name:	HERCULES INC	Date Collected:	02/27/2007
Sampling Loc:	MW 18	Time Collected:	15:50
Site ID:	C0350022	Sample Collector:	WMCKERCHER
Discharge No:		To Lab:	SV
Other No:	MW-18	Sample Type:	GROUNDWATER
Permit No:		Date Received:	02/28/2007
Latitude:		Time Received:	0930
Longitude:		Received By:	TAMMY SAWYER
County:	035 FORREST	Project:	3047
		Study:	COMPLIANCE

ANALYTE	METHOD	RESULT	UNIT	MQL	ANALYST
1,1,1,2-Tetrachloroethane	624	<MQL	µg/L	5	BBATES
1,1,1-Trichloroethane	624	<MQL	µg/L	5	BBATES
1,1,2,2-Tetrachloroethane	624	<MQL	µg/L	5	BBATES
1,1,2-Trichloroethane	624	<MQL	µg/L	5	BBATES
1,1-Dichloroethane	624	<MQL	µg/L	5	BBATES
1,1-Dichloroethene	624	2.33 trace	µg/L	5	BBATES
1,1-Dichloropropene	624	<MQL	µg/L	5	BBATES
1,2,3-Trichlorobenzene	624	<MQL	µg/L	5	BBATES
1,2,3-Trichloropropane	624	<MQL	µg/L	5	BBATES
1,2,4-Trichlorobenzene	624	<MQL	µg/L	5	BBATES
1,2,4-Trimethylbenzene	624	<MQL	µg/L	5	BBATES
1,2-Dibromo-3-chloropropane	624	<MQL	µg/L	5	BBATES
1,2-Dibromoethane	624	<MQL	µg/L	5	BBATES
1,2-Dichlorobenzene	624	<MQL	µg/L	5	BBATES
1,2-Dichloroethane	624	<MQL	µg/L	5	BBATES

1,2-Dichloropropane	624	<MQL	µg/L	5	BBATES
1,3,5-Trimethylbenzene	624	<MQL	µg/L	5	BBATES
1,3-Dichlorobenzene	624	<MQL	µg/L	5	BBATES
1,3-Dichloropropane	624	<MQL	µg/L	5	BBATES
1,4-Dichlorobenzene	624	<MQL	µg/L	5	BBATES
2,2-Dichloropropane	624	<MQL	µg/L	5	BBATES
2-Butanone (MEK)	624	<MQL	µg/L	25	BBATES
2-Chlorotoluene	624	<MQL	µg/L	5	BBATES
2-Hexanone	624	<MQL	µg/L	25	BBATES
4-Chlorotoluene	624	<MQL	µg/L	5	BBATES
4-Isopropyltoluene	624	<MQL	µg/L	5	BBATES
4-Methyl-2-pentanone (MIBK)	624	<MQL	µg/L	25	BBATES
Acetone	624	<MQL	µg/L	25	BBATES
Benzene	624	3.59 trace	µg/L	5	BBATES
Bromobenzene	624	<MQL	µg/L	5	BBATES
Bromochloromethane	624	<MQL	µg/L	5	BBATES
Bromodichloromethane	624	<MQL	µg/L	5	BBATES
Bromoform	624	<MQL	µg/L	5	BBATES
Bromomethane	624	<MQL	µg/L	5	BBATES
Carbon Tetrachloride	624	<MQL	µg/L	5	BBATES
Chlorobenzene	624	31.8	µg/L	5	BBATES
Chloroethane	624	<MQL	µg/L	5	BBATES
Chloroform	624	<MQL	µg/L	5	BBATES
Chloromethane	624	<MQL	µg/L	5	BBATES
cis-1,2-Dichloroethene	624	<MQL	µg/L	5	BBATES
cis-1,3-Dichloropropene	624	<MQL	µg/L	5	BBATES
Dibromochloromethane	624	<MQL	µg/L	5	BBATES
Dibromomethane	624	<MQL	µg/L	5	BBATES
Dichlorodifluoromethane	624	<MQL	µg/L	5	BBATES
Ethylbenzene	624	<MQL	µg/L	5	BBATES
Hexachlorobutadiene	624	<MQL	µg/L	5	BBATES
Isopropylbenzene	624	<MQL	µg/L	5	BBATES
m & p -Xylene	624	<MQL	µg/L	5	BBATES
Methyl tertiary butyl ether	624	<MQL	µg/L	5	BBATES
Methylene Chloride	624	<MQL	µg/L	5	BBATES
Naphthalene	624	<MQL	µg/L	5	BBATES
n-Butylbenzene	624	<MQL	µg/L	5	BBATES
n-Propylbenzene	624	<MQL	µg/L	5	BBATES
o - Xylene	624	<MQL	µg/L	5	BBATES
sec-Butylbenzene	624	<MQL	µg/L	5	BBATES

Styrene	624	<MQL	µg/L	5	BBATES
tert-Butylbenzene	624	<MQL	µg/L	5	BBATES
Tetrachloroethene	624	<MQL	µg/L	5	BBATES
Toluene	624	<MQL	µg/L	5	BBATES
trans-1,2-Dichloroethene	624	<MQL	µg/L	5	BBATES
trans-1,3-dichloropropene	624	<MQL	µg/L	5	BBATES
Trichloroethene	624	<MQL	µg/L	5	BBATES
Trichlorofluoromethane	624	<MQL	µg/L	5	BBATES
Vinyl Chloride	624	<MQL	µg/L	5	BBATES
1,2-Dichloroethane-d4	624	111	%	80-120	BBATES
Dibromofluromethane	624	108	%	80-118	BBATES
p-Bromoflurobenzene	624	91	%	80-115	BBATES
Toluene-d8	624	87	%	80-118	BBATES

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	COC Date: Date Chain of Custody Signed
mg/L: milligrams/Liter	MQL: Maximum Quantifiable Level	COC Time: Time Chain of Custody Signed
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	
ug/g: micrograms/gram	LSPC: result less than lower specification	
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	
	>: greater than	

SAMPLE COMMENTS:

Validation Date: 04/05/2007

Validated By: D. RS

Print Date: 04/05/2007

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Hercules, Inc.
County Code Forrest Co. NPDES Permit No. _____
Discharge No. _____ Date Requested 2/28/07
Sample Point Identification MW-18
Requested By William McKercher Data To William McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKercher
Where Taken MW-18

	Type	Parameters	Preservative	Date	Time
1.	GW	VOC-8260	HCL	2/27/07	1550
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Tony Dawson Date 2/28/07 Time 0930
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

32737

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHAIN OF CUSTODY RECORD

POLLUTION CONTROL LABORATORY
121 Fairmont Plaza
Pearl, Mississippi 39208

PROJECT NAME: Hercules, Inc.

LOCATION: Hattiesburg, Forrest Co.

SHIPPED TO:

DATA TO:

SAMPLE TYPES
1. SURFACE WATER
2. GROUND WATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDIMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER ______

SAMPLERS (SIGN)
A. William McKercher
B. ______
C. ______
D. ______

CIRCLE/ADD parameter desired. List no. of containers submitted.

SITE NO.	SAMPLE TYPE	DATE 2007	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	COD. TOC. NUTRIENTS	BOD. SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	CYANIDE	FECAL COLIFORM	Oil & Grease/TPH	Phenolics	VOC - 8260		REMARKS	LAB USE ONLY
	2	2/27	1550		✓	MW-18	3										3			32737
						Temp. 4.0°C														

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT) Willie McKercher (SIGN) William McKercher	2/28/07 0930	(PRINT) Tommy Sawyer (SIGN) Tommy Sawyer	(PRINT) (SIGN)		(PRINT) (SIGN)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT) (SIGN)		(PRINT) (SIGN)	(PRINT) (SIGN)		(PRINT) (SIGN)

NOTICE: Must use a separate form for each ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

PAGE ____ OF ____ 3/91

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

COMPLIANCE MONITORING REPORT

To:	WILLIE McKERCHER	QA Type:	
		Date Collected:	08/30/2006
		Time Collected:	10:05
		Sample Collector:	WMCKERCHER
		To Lab:	SV
Sample ID:	AA31785	Sample Type:	GROUNDWATER
Facility Name:	HERCULES INC	Received By:	TAMMY SAWYER
Sampling Loc:	MW 15	LIMS Login Date:	08/31/2006
Site ID:	C0350059	LIMS Login Time:	09:12
Discharge No:		COC Date:	08/31/2006
Other No:	MW-15	COC Time:	0905
Permit No:		Project:	3047
Latitude:		Study:	COMPLIANCE
Longitude:			
County:	035 FORREST	Reporting Date:	09/26/2006

ANALYTE	METHOD	RESULT	UNIT	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
1,1,1,2-Tetrachloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1,1-Trichloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1,2,2-Tetrachloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1,2-Trichloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1-Dichloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1-Dichloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1-Dichloropropene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2,3-Trichlorobenzene	8260W	* 3.06	µg/L	5	BA	9/7/06	9/7/06
1,2,3-Trichloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2,4-Trichlorobenzene	8260W	* 2.59	µg/L	5	BA	9/7/06	9/7/06
1,2,4-Trimethylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2-Dibromo-3-chloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2-Dibromoethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2-Dichlorobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2-Dichloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06

1,2-Dichloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,3,5-Trimethylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,3-Dichlorobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,3-Dichloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,4-Dichlorobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
2,2-Dichloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
2-Butanone (MEK)	8260W	ND	µg/L	25	BA	9/7/06	9/7/06
2-Chlorotoluene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
2-Hexanone	8260W	ND	µg/L	25	BA	9/7/06	9/7/06
4-Chlorotoluene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
4-Isopropyltoluene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
4-Methyl-2-pentanone (MIBK)	8260W	ND	µg/L	25	BA	9/7/06	9/7/06
Acetone	8260W	16.4	µg/L	25	BA	9/7/06	9/7/06
Benzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromochloromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromodichloromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromoform	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromomethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Carbon Tetrachloride	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Chlorobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Chloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Chloroform	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Chloromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
cis-1,2-Dichloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
cis-1,3-Dichloropropene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Dibromochloromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Dibromomethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Dichlorodifluoromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Ethylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Hexachlorobutadiene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Isopropylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
m & p -Xylene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Methyl tertiary butyl ether	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Methylene Chloride	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Naphthalene	8260W	* 8.74	µg/L	5	BA	9/7/06	9/7/06
n-Butylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
n-Propylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
o - Xylene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
sec-Butylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06

Styrene	8260	ND	µg/L	5	BA	9/7/06	9/7/06
tert-Butylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Tetrachloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Toluene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
trans-1,2-Dichloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
trans-1,3-dichloropropene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Trichloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Trichlorofluoromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Vinyl Chloride	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
z 1,2-Dichloroethane-d4	8260W	109%	µg/L	80-120	BA	9/7/06	9/7/06
z Dibromofluromethane	8260W	* 119%	µg/L	80-118	BA	9/7/06	9/7/06
z p-Bromoflurobenzene	8260W	105%	µg/L	80-115	BA	9/7/06	9/7/06
z Toluene-d8	8260W	91%	µg/L	80-118	BA	9/7/06	9/7/06

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
>: greater than
z: surrogate

COC Date: Date Chain of Custody Signed
COC Time: Time Chain of Custody Signed

SAMPLE COMMENTS:

*1,2,4-Trichlorobenzene present in blank at 1.41. BA

*Napthalene present in blank at 2.21. BA

*1,2,3-Trichlorobenzene present in blank at 2.18. BA

Approved By: D. Q

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Hercules Inc.
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 8-31-06
Sample Point Identification MW-15
Requested By Willie McKercher Data To Willie McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By W. McKercher
Where Taken MW 15

	Type	Parameters	Preservative	Date	Time
1.	GW	Voc-8260	HCL	8-30-06	1005
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (✓)

V. LABORATORY: Received By Tommy Lawyer Date 8/31/06 Time 0905
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

31785

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

COMPLIANCE MONITORING REPORT

To:	WILLIE McKERCHER	QA Type:	
		Date Collected:	08/30/2006
		Time Collected:	08:15
		Sample Collector:	WMCKERCHER
		To Lab:	SV
Sample ID:	AA31784	Sample Type:	GROUNDWATER
Facility Name:	HERCULES INC	Received By:	TAMMY SAWYER
Sampling Loc:	MW 19	LIMS Login Date:	08/31/2006
Site ID:	C0350060	LIMS Login Time:	09:12
Discharge No:		COC Date:	08/31/2006
Other No:	MW-19	COC Time:	0905
Permit No:		Project:	3047
Latitude:		Study:	COMPLIANCE
Longitude:			
County:	035 FORREST	Reporting Date:	09/26/2006

ANALYTE	METHOD	RESULT	UNIT	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
1,1,1,2-Tetrachloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1,1-Trichloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1,2,2-Tetrachloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1,2-Trichloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1-Dichloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1-Dichloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,1-Dichloropropene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2,3-Trichlorobenzene	8260W	* 4.32	µg/L	5	BA	9/7/06	9/7/06
1,2,3-Trichloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2,4-Trichlorobenzene	8260W	* 3.75	µg/L	5	BA	9/7/06	9/7/06
1,2,4-Trimethylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2-Dibromo-3-chloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2-Dibromoethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2-Dichlorobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,2-Dichloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06

1,2-Dichloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,3,5-Trimethylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,3-Dichlorobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,3-Dichloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
1,4-Dichlorobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
2,2-Dichloropropane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
2-Butanone (MEK)	8260W	ND	µg/L	25	BA	9/7/06	9/7/06
2-Chlorotoluene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
2-Hexanone	8260W	ND	µg/L	25	BA	9/7/06	9/7/06
4-Chlorotoluene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
4-Isopropyltoluene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
4-Methyl-2-pentanone (MIBK)	8260W	ND	µg/L	25	BA	9/7/06	9/7/06
Acetone	8260W	TRACE 22.4	µg/L	25	BA	9/7/06	9/7/06
Benzene	8260W	23.3	µg/L	5	BA	9/7/06	9/7/06
Bromobenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromochloromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromodichloromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromoform	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Bromomethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Carbon Tetrachloride	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Chlorobenzene	8260W	6.21	µg/L	5	BA	9/7/06	9/7/06
Chloroethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Chloroform	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Chloromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
cis-1,2-Dichloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
cis-1,3-Dichloropropene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Dibromochloromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Dibromomethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Dichlorodifluoromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Ethylbenzene	8260W	TRACE 1.76	µg/L	5	BA	9/7/06	9/7/06
Hexachlorobutadiene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Isopropylbenzene	8260W	TRACE 4.18	µg/L	5	BA	9/7/06	9/7/06
m & p -Xylene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Methyl tertiary butyl ether	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Methylene Chloride	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Naphthalene	8260W	* 12.45	µg/L	5	BA	9/7/06	9/7/06
n-Butylbenzene	8260W	TRACE 1.45	µg/L	5	BA	9/7/06	9/7/06
n-Propylbenzene	8260W	TRACE 3.27	µg/L	5	BA	9/7/06	9/7/06
o - Xylene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
sec-Butylbenzene	8260W	TRACE 1.13	µg/L	5	BA	9/7/06	9/7/06

Styrene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
tert-Butylbenzene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Tetrachloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Toluene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
trans-1,2-Dichloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
trans-1,3-dichloropropene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Trichloroethene	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Trichlorofluoromethane	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
Vinyl Chloride	8260W	ND	µg/L	5	BA	9/7/06	9/7/06
z 1,2-Dichloroethane-d4	8260W	108%	µg/L	80-120	BA	9/7/06	9/7/06
z Dibromofluromethane	8260W	112%	µg/L	80-118	BA	9/7/06	9/7/06
z p-Bromoflurobenzene	8260W	102%	µg/L	80-115	BA	9/7/06	9/7/06
z Toluene-d8	8260W	89%	µg/L	80-118	BA	9/7/06	9/7/06

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
>: greater than
z: surrogate

COC Date: Date Chain of Custody Signed
COC Time: Time Chain of Custody Signed

SAMPLE COMMENTS:

*1,2,4-Trichlorobenzene present in blank at 1.41. BA

*Napthalene present in blank at 2.21. BA

*1,2,3-Trichlorobenzene present in blank at 2.18. BA

Approved By:

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Hercules Inc
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 8-31-06
Sample Point Identification MW-19
Requested By Willie McKercher Data To Willie McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By Willie McKercher
Where Taken MW-19

	Type	Parameters	Preservative	Date	Time
1.	GW	VOC-8260	HCl	8-30-06	0815
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By Tammy Sawyer Date 8/31/06 Time 0905
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

31784

...TAL QUALITY

CHAIN OF CUSTODY RECORD

PROJECT NAME

LOCATION Hercules Inc
Hattiesburg, MS - Forrest County

SAMPLE TYPES
1. SURFACE WATER
2. GROUND WATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDIMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER

SAMPLERS (SIGN)
A. William McKercher
B.
C.
D.

SHIPPED TO:

DATA TO:

POLLUTION CONTR
LABORATOR
121 Fairmont Plaz
Pearl, Mississippi 3920

SITE NO.	SAMPLE TYPE	DATE (2006 / ~~19~~)	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	COD, TOC, NUTRIENTS	BOD, SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	CYANIDE	FECAL COLIFORM	Oil & Grease/TPH	Phenolics	VOC - 8260	REMARKS	LAB USE ONLY
	2	8-30	0815	✓		MW-14	3										3		31784
	2	8-30	1005	✓		MW-15	3										3		31785

Temp 2.0°C

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT) William McKercher	8/31/06	(PRINT) Tammy Sawyer
(SIGN) William McKercher	0905	(SIGN) Tammy Sawyer
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT)		(PRINT)
(SIGN)		(SIGN)
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT)		(PRINT)
(SIGN)		(SIGN)
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT)		(PRINT)
(SIGN)		(SIGN)

NOTICE: Must use a separate form for each Ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

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CHAIN OF CUSTODY RECORD

PROJECT NAME: Hercules Inc

LOCATION: Hattiesburg MS - Forest County

SAMPLE TYPES
1. SURFACE WATER
2. GROUND WATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDIMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER

SAMPLERS (SIGN)
A. William McKenzie
B.
C.
D.

SHIPPED TO:

DATA TO:

POLLUTION CONTROL LABORATORY
121 Fairmont Plaza
Pearl, Mississippi 39208

SITE NO.	SAMPLE TYPE	DATE (2006 19__)	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	COD, TOC, NUTRIENTS	BOD, SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	CYANIDE	FECAL COLIFORM	Oil & Grease/TPH	Phenolics	VOC-8260	REMARKS	LAB USE ONLY
	2	8-30	0815		✓	MW-14	3										3		31784
	2	8-30	1005		✓	MW-15	3										3		31785

CIRCLE/ADD parameter desired. List no. of containers submitted.

ANALYSIS

Temp 2.0°c

RELINQUISHED BY: (PRINT) William McKenzie (SIGN) William McKenzie — DATE/TIME 8/31/06 0905 — RECEIVED BY: (PRINT) Tammy Sawyer (SIGN) Tammy Sawyer

RELINQUISHED BY: (PRINT) (SIGN) — DATE/TIME — RECEIVED BY: (PRINT) (SIGN)

RELINQUISHED BY: (PRINT) (SIGN) — DATE/TIME — RECEIVED BY: (PRINT) (SIGN)

RELINQUISHED BY: (PRINT) (SIGN) — DATE/TIME — RECEIVED BY: (PRINT) (SIGN)

NOTICE: Must use a separate form for each ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

PAGE ___ OF ___

Mississippi DEQ/OPC Laboratory

Sample Receipt

Sample I.D. AA31784
Location code **C0350060**
Location Description **HERCULES INC**
Sample collector **WMCKERCHER**
Collection date: **08/30/2006**
Lab submittal date: **08/31/2006**
Due date: **08/31/2006**
Matrix: **GROUNDWATER**

Login record file: **060831091432**

Collection time: **08:15**
Lab submittal time: **09:12**

Division Code: **3047**

STUDY **COMPLIANCE**
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO **MW-19**
SAMPLE_LOCATION **MW 19**
COUNTY_CODE **035 FORREST**
REQUESTED_BY **WILLIE McKERCHER**

Analyses ordered	Method	Due Date
EPA 8260 VOLATILE ORGANICS IN WATER	8260W	09/06/2006

Please refer to the indicated sample I.D. number whan making inquiries.

Received by: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. ______

I. GENERAL INFORMATION: Facility Name ______
County Code ______
Discharge No. ______ NPDES Permit No. ______
Sample Point Identification MW-11 Date Requested ______
Requested By ______
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( ) Data To ______

II. SAMPLE IDENTIFICATION:
Environment Condition ______
Where Taken MW-11 Collected By ______

	Type	Parameters	Preservative	Date	Time
1.	GW	VOC 8260	HCl		
2.					
3.					
4.					
5.					

II. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

V. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By ______ Date 8/31/06 Time ______
Recorded By ______ Date Sent to State Office ______

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/1		*
COD	(000340)	( )	mg/1		
TOC	(000680)	( )	mg/1		
Suspended Solids	(099000)	( )	mg/1		
TKN	(000625)	( )	mg/1		
Ammonia-N	(000610)	( )	mg/1		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/1		
Oil and Grease(1)	(000550)	( )	mg/1		
Oil and Grease(2)	(000550)	( )	mg/1		
Chlorides	(099016)	( )	mg/1		
Phenol	(032730)	( )	mg/1		
Total Chromium	(001034)	( )	mg/1		
Hex. Chromium	(001032)	( )	mg/1		
Zinc	(001092)	( )	mg/1		
Copper	(001042)	( )	mg/1		
Lead	(017501)	( )	mg/1		
Cyanide	(000722)	( )	mg/1		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks ______

Date of Test Initiation ______

31724

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA31785
Location code **C0350059**
Location Description **HERCULES INC**
Sample collector **WMCKERCHER**
Collection date: **08/30/2006**
Lab submittal date: **08/31/2006**
Due date: **08/31/2006**
Matrix: **GROUNDWATER**

Login record file: **060831091432**

Collection time: **10:05**
Lab submittal time: **09:12**

Division Code: **3047**

STUDY **COMPLIANCE**
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO **MW-15**
SAMPLE_LOCATION **MW 15**
COUNTY_CODE **035 FORREST**
REQUESTED_BY **WILLIE McKERCHER**

Analyses ordered	Method	Due Date
EPA 8260 VOLATILE ORGANICS IN WATER	8260W	09/06/2006

Please refer to the indicated sample I.D. number whan making inquiries.

Received by: _____

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHAIN OF CUSTODY RECORD

POLLUTION CONTROL LABORATORY
121 Fairmont Plaza
Pearl, Mississippi 39208

PROJECT NAME: HERC TANK

LOCATION: Hattiesburg, MS

SHIPPED TO:

DATA TO:

SAMPLE TYPES
1. SURFACE WATER
2. GROUND WATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDIMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER

SAMPLERS (SIGN)
A. William McKercher
B.
C.
D.

CIRCLE/ADD parameter desired. List no. of containers submitted.

SITE NO.	SAMPLE TYPE	DATE ~~19~~ 2004	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	COD. TOC. NUTRIENTS	BOD. SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	CYANIDE	FECAL COLIFORM	Oil & Grease/TPH	Phenolics	Dioxithion?	REMARKS	LAB USE ONLY
	1	4/13	11:15		✓	HERC413-S4	2										2		
	6	4/13	11:15		✓	HERC 413-S4	1										1		
	6	4/13	11:45		✓	HERC 413-S3	1										1		

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT) Williams McKercher TS (SIGN)	4/14/04 1015	(PRINT) Otis Clark (SIGN) Otis Clark	(PRINT) Otis Clark (SIGN) Otis Clark	4/15/04 9:40am	(PRINT) ROSA INGRAM (SIGN) [illegible]
(PRINT) ROSA INGRAM (SIGN) [illegible]	4/16/04 11:30am	(PRINT) Sandra Boyd (SIGN) Sandra Boyd	(PRINT) (SIGN)		(PRINT) (SIGN)

NOTICE: Must use a separate form for each ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

 3/91

MISSISSIPPI DEPARTMENT
OF ENVIRONMENTAL QUALITY

CHAIN OF CUSTODY RECORD

POLLUTION CONTROL
LABORATORY
121 Fairmont Plaza
Pearl, Mississippi 39208

PROJECT NAME: Green's Creek

LOCATION: Hattiesburg, MS

SAMPLE TYPES
1. SURFACE WATER
2. GROUND WATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDIMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER

SAMPLERS (SIGN)
A. William McKerchar
B.
C.
D.

SHIPPED TO:

DATA TO:

SITE NO.	SAMPLE TYPE	DATE (2004 ~~10~~)	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	COD, TOC, NUTRIENTS	BOD, SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	CYANIDE	FECAL COLIFORM	Oil & Grease/TPH	Phenolics	Dioxin	REMARKS
	1	4/13	10:00			HERC 413 - S1	2										2	
	6	4/13	10:00			HERC 413 - S1	1										1	
	1	4/13	9:15			HERC 413 - S2	2										2	
	6	4/13	9:15			HERC 413 - S2	1										1	

LAB USE ONLY

RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)
Williams McKerchar TS		4/14/04 1015	Otis Clark	Otis Clark
Robin Ingram	Robin Ingram	4/14/04 11:30	Sandra Boyd	Sandra Boyd

RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)
Otis Clark	Otis Clark	4/15/04 9:40am	Robin Ingram	Robin Ingram

NOTICE: Must use a separate form for each ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

PAGE _____ OF _____

3/91

MISSISSIPPI DEPARTMENT
OF ENVIRONMENTAL QUALITY

CHAIN OF CUSTODY RECORD

OFFICE OF
POLLUTION CONTROL
P. O. Box 10385
Jackson, Mississippi 39289-0385

MSD

PROJECT LEADER: Tony Russell

PROJECT NAME/LOCATION: St Paul United Methodist / Hattiesburg

REMARKS

DATA TO: T. Russell

ESD SAMPLE TYPES
1. SURFACE WATER
2. GROUND WATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDIMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER

SAMPLER: Tony Russell

STATION NO.	SAMPLE TYPE	DATE	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	VOA	Semivolatile org. gcms	Pest/PCBs	METALS	CYANIDE	Diox/Furans	TAG NO./REMARKS	Custody Seals Intact at Lab	Seals Not Intact Upon Receipt by Lab	LAB USE ONLY
0,309 St #1	6	4/20	1130		X	Collected behind Parking Lot	1				1						
0,310 St #2	6	4/20	1205		X	Collected behind Parking Lot	1				1						

ANALYSIS — CIRCLE/ADD parameters desired. List no. of containers submitted.

RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)	RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)
Tony Russell	Tony Russell	4/22/04 1450	Tammy Sawyer	Tammy Sawyer	Tammy Sawyer	Tammy Sawyer	4-21-04 0800	Otis Clark	Otis Clark
Otis Clark	Otis Clark	4/22/04 10:00AM	Marlene Langford	Marlene Langford					

DISTRIBUTION: White and Yellow copies accompany sample shipment to laboratory; Yellow copy retained by laboratory
White copy is returned to samplers; Pink copy retained by samplers.

PAGE _____ OF _____

8/90

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

COMPLIANCE MONITORING REPORT

To:	WILLIAM MCKERCHER	QA Type:	
		Date Collected	04/13/2004
		Time Collected:	10:00
		Sample Collector:	WMCKERCHER
		To Lab:	SV
Sample ID:	AA22076	Sample Type:	SEDIMENT
Facility Name:	GREENS CREEK	Received By:	BASHMORE
Site ID:	COMPLAINT	LIMS Login Date:	04/14/2004
Sampling Loc:	HERC 413-S1	LIMS Login Time:	10:15
Discharge No:		COC Date:	4/14/2004
Other No:		COC Time:	10:15
Permit No:		Project:	3058
Latitude:		Study:	COMPLAINT
Longitude:		Reporting Date:	06/07/2004
County:	035 FORREST		

ANALYTE	METHOD	RESULT	UNIT	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
Dichlorodifluoromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Chloromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Vinyl Chloride	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Bromomethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Chloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Trichlorofluoromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Acetone	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1-Dichloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Methylene Chloride	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
trans-1,2-Dichloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1-Dichloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
2-Butanone (MEK)	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
cis-1,2-Dichloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
2,2-Dichloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Chloroform	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04

Bromochloromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1,1-Trichloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2-Dichloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1-Dichloropropene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Carbon Tetrachloride	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Benzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Trichloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2-Dichloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Dibromomethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Bromodichloromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
4-Methyl-2-pentanone (MIBK)	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
cis-1,3-Dichloropropene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Toluene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
trans-1,3-dichloropropene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1,2-Trichloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
2-Hexanone	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,3-Dichloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Dibromochloromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Tetrachloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2-Dibromoethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Chlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1,1,2-Tetrachloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Ethylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
m & p -Xylene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Styrene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
o - Xylene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Bromoform	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1,2,2-Tetrachloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Isopropylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2,3-Trichloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Bromobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
n-Propylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
2-Chlorotoluene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
4-Chlorotoluene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,3,5-Trimethylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
tert-Butylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2,4-Trimethylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
sec-Butylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,3-Dichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
4-Isopropyltoluene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04

1,2-Dichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
n-Butylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2-Dibromo-3-chloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2,4-Trichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Naphthalene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Hexachlorobutadiene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2,3-Trichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,4-Dichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
z Dibromofluromethane	8260S	104%	ug/kg	86-118	BA	4/23/04	4/23/04
z 1,2-Dichloroethane-d4	8260S	100%	ug/kg	80-120	BA	4/23/04	4/23/04
z Toluene-d8	8260S	107%	ug/kg	88-118	BA	4/23/04	4/23/04
z p-Bromoflurobenzene	8260S	108%	ug/kg	86-115	BA	4/23/04	4/23/04
Methyl tertiary butyl ether	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
bis(2-Chloroethyl)ether	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Phenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2-Chlorophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
1,3-Dichlorobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
1,4-Dichlorobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
1,2-Dichlorobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Benzyl alcohol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
bis(2-chloroisopropyl)ether	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2-Methylphenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Hexachloroethane	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
N-Nitroso-di-n-propylamine	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
4-Methylphenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Benzoic Acid	8270	ND	ug/kg	16000	JES	4/22/04	5/27/04
Nitrobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Isophorone	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2-Nitrophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2,4-Dimethylphenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
bis(2-Chloroethoxy)methane	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2,4-Dichlorophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
1,2,4-Trichlorobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Naphthalene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
4-Chloroaniline	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Hexachlorobutadiene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
4-Chloro-3-methylphenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2-Methylnaphthalene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Hexachlorocyclopentadiene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2,4,6-Trichlorophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04

2,4,5-Trichlorophenol	8270	ND	ug/kg	16000	JES	4/22/04	5/27/04
2-Chloronaphthalene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2-Nitroaniline	8270	ND	ug/kg	16000	JES	4/22/04	5/27/04
Acenaphthylene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Dimethylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2,6-Dinitrotoluene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Acenaphthene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
3-Nitroaniline	8270	ND	ug/kg	16000	JES	4/22/04	5/27/04
2,4-Dinitrophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Dibenzofuran	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
2,4-Dinitrotoluene	8270	ND	ug/kg	16000	JES	4/22/04	5/27/04
4-Nitrophenol	8270	ND	ug/kg	16000	JES	4/22/04	5/27/04
Fluorene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
4-Chlorophenyl-phenylether	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Diethylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
4-Nitroaniline	8270	ND	ug/kg	16000	JES	4/22/04	5/27/04
4,6-Dinitro-2-methylphenol	8270	ND	ug/kg	16000	JES	4/22/04	5/27/04
n-Nitrosodiphenylamine	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
4-Bromophenyl-phenylether	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Hexachlorobenzene	8270	Trace 793	ug/kg	3300	JES	4/22/04	5/27/04
Pentachlorophenol	8270	ND	ug/kg	6600	JES	4/22/04	5/27/04
Phenanthrene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Anthracene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Carbazole	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Di-n-butylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Fluoranthene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Pyrene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Butylbenzylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
3,3'-Dichlorobenzidine	8270	ND	ug/kg	6600	JES	4/22/04	5/27/04
Benzo[a]anthracene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Chrysene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
bis(2-Ethylhexyl)phthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Di-n-octylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Benzo[b]fluoranthene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Benzo[k]fluoranthene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Benzo[a]pyrene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Indeno[1,2,3-cd]pyrene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Dibenz[a,h]anthracene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
Benzo[g,h,i]perylene	8270	ND	ug/kg	3300	JES	4/22/04	5/27/04
z 2-Fluorophenol	8270	43%	ug/kg	0	JES	4/22/04	5/27/04

z Phenol-d5	8270	18%	ug/kg	0	JES	4/22/04	5/27/04
z Nitrobenzene-d5	8270	27%	ug/kg	0	JES	4/22/04	5/27/04
z 2-Fluorobiphenyl	8270	65%	ug/kg	0	JES	4/22/04	5/27/04
z 2,4,6-Tribromophenol	8270	54%	ug/kg	0	JES	4/22/04	5/27/04
z p-Terphenyl-d14	8270	72%	ug/kg	0	JES	4/22/04	5/27/04

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
>: greater than
z: surrogate

COC Date: Date Chain of Custody Signed
COC Time: Time Chain of Custody Signed

SAMPLE COMMENTS:

Semi-Vol. Note:

1) Recovery of surrogate #2 is low.

Approved By: _____

BUREAU OF POLLUTION CONTR

SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Green's Creek

County Code Forrest 035 NPDES Permit No. _____

Discharge No. _____ Date Requested 4-14-04

Sample Point Identification HERC 413-S1

Requested By William McKercher Data To William McKercher

Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:

Environment Condition _____ Collected By William McKercher

Where Taken HERC 413-S1

	Type	Parameters	Preservative	Date	Time
1.	Sediment	SVOC-8270	NONE	4-13-04	1000
2.	Sediment	VOC-8260	NONE	4-13-04	1000
3.	Sediment	Dioxithion	NONE	4-13-04	1000
4.	~~Surface Water~~	~~SVOC-8270~~	~~NONE~~	~~4-13-04~~	~~1000~~
5.	~~Surface Water~~	~~VOC-8260~~ WM	~~NONE~~	~~4-13-04~~	~~1000~~
III. FIELD:	~~Surface Water~~	~~Dioxithion~~	~~NONE~~	~~4-13-04~~	~~1000~~

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Beverly Ashmore Date 4-14-04 Time 10:15

Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

AA022076

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

COMPLIANCE MONITORING REPORT

To:	WILLIAM MCKERCHER	QA Type:	
		Date Collected	04/13/2004
		Time Collected:	10:00
		Sample Collector:	WMCKERCHER
		To Lab:	SV
Sample ID:	AA22075	Sample Type:	SURFACEWATER
Facility Name:	GREENS CREEK	Received By:	BASHMORE
Site ID:	COMPLAINT	LIMS Login Date:	04/14/2004
Sampling Loc:	HERC 413-S1	LIMS Login Time:	10:15
Discharge No:		COC Date:	4/14/2004
Other No:		COC Time:	10:15
Permit No:		Project:	3858
Latitude:		Study:	COMPLAINT
Longitude:		Reporting Date:	06/07/2004
County:	035 FORREST		

ANALYTE	METHOD	RESULT	UNIT	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
Dichlorodifluoromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Chloromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Vinyl Chloride	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Bromomethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Chloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Trichlorofluoromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Acetone	8260W	ND	ug/L	25	BA	4/15/04	4/15/04
1,1-Dichloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Methylene Chloride	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
trans-1,2-Dichloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1-Dichloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
2-Butanone (MEK)	8260W	ND	ug/L	25	BA	4/15/04	4/15/04
cis-1,2-Dichloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
2,2-Dichloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Chloroform	8260W	ND	ug/L	5	BA	4/15/04	4/15/04

Bromochloromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1,1-Trichloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dichloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1-Dichloropropene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Carbon Tetrachloride	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Benzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Trichloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dichloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Dibromomethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Bromodichloromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
4-Methyl-2-pentanone (MIBK)	8260W	ND	ug/L	25	BA	4/15/04	4/15/04
cis-1,3-Dichloropropene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Toluene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
trans-1,3-dichloropropene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1,2-Trichloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
2-Hexanone	8260W	ND	ug/L	25	BA	4/15/04	4/15/04
1,3-Dichloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Dibromochloromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Tetrachloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dibromoethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Chlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1,1,2-Tetrachloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Ethylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
m & p -Xylene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Styrene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
o - Xylene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Bromoform	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1,2,2-Tetrachloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Isopropylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2,3-Trichloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Bromobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
n-Propylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
2-Chlorotoluene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
4-Chlorotoluene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,3,5-Trimethylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
tert-Butylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2,4-Trimethylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
sec-Butylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,3-Dichlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
4-Isopropyltoluene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04

1,4-Dichlorobenzene	[illegible]W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dichlorobenzene	[illegible]W	ND	ug/L	5	BA	4/15/04	4/15/04
n-Butylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dibromo-3-chloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2,4-Trichlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Naphthalene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Hexachlorobutadiene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2,3-Trichlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
z Dibromofluromethane	8260W	108%	ug/L	86-118	BA	4/15/04	4/15/04
z 1,2-Dichloroethane-d4	8260W	106%	ug/L	80-120	BA	4/15/04	4/15/04
z Toluene-d8	8260W	92%	ug/L	88-118	BA	4/15/04	4/15/04
z p-Bromoflurobenzene	8260W	106%	ug/L	86-115	BA	4/15/04	4/15/04
Methyl tertiary butyl ether	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
bis(2-Chloroethyl)ether	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Phenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Chlorophenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
1,3-Dichlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
1,4-Dichlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
1,2-Dichlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzyl alcohol	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
bis(2-chloroisopropyl)ether	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Methylphenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Hexachloroethane	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
N-Nitroso-di-n-propylamine	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
4-Methylphenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzoic Acid	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Nitrobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Isophorone	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Nitrophenol	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
2,4-Dimethylphenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
bis(2-Chloroethoxy)methane	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2,4-Dichlorophenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
1,2,4-Trichlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Naphthalene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Chloroaniline	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
Hexachlorobutadiene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Chloro-3-methylphenol	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
2-Methylnaphthalene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Hexachlorocyclopentadiene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2,4,6-Trichlorophenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04

2,4,5-Trichlorophenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Chloronaphthalene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Nitroaniline	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Acenaphthylene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Dimethylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2,6-Dinitrotoluene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Acenaphthene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
3-Nitroaniline	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
2,4-Dinitrophenol	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Dibenzofuran	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2,4-Dinitrotoluene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Nitrophenol	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Fluorene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Chlorophenyl-phenylether	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Diethylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Nitroaniline	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
4,6-Dinitro-2-methylphenol	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
n-Nitrosodiphenylamine	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
4-Bromophenyl-phenylether	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Hexachlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Pentachlorophenol	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Phenanthrene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Anthracene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Carbazole	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Di-n-butylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Fluoranthene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Pyrene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Butylbenzylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
3,3'-Dichlorobenzidine	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Benzo[a]anthracene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Chrysene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
bis(2-Ethylhexyl)phthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Di-n-octylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzo[b]fluoranthene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzo[k]fluoranthene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzo[a]pyrene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Indeno[1,2,3-cd]pyrene	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
Dibenz[a,h]anthracene	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
Benzo[g,h,i]perylene	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
z 2-Fluorophenol	8270	62%	ug/L	0	JES	4/20/04	5/20/04

z Phenol-d5	8270	62%	ug/L	0	JES	4/20/04	5/20/04
z Nitrobenzene-d5	8270	60%	ug/L	0	JES	4/20/04	5/20/04
z 2-Fluorobiphenyl	8270	78%	ug/L	0	JES	4/20/04	5/20/04
z 2,4,6-Tribromophenol	8270	76%	ug/L	0	JES	4/20/04	5/20/04
z Terphenyl-d14	8270	79%	ug/L	0	JES	4/20/04	5/20/04

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
>: greater than
z: surrogate

COC Date: Date Chain of Custody Signed
COC Time: Time Chain of Custody Signed

SAMPLE COMMENTS:

Semi-Vol. Notes:

1) This extract contains trace levels of Chlormephos and Sulfotep.

Approved By: _____

BUREAU OF POLLUTION CONTRO
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Green's Creek
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4-14-04
Sample Point Identification HERC 413-S1
Requested By William McKercher Data To William McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKercher
Where Taken HERC 413-S1

	Type	Parameters	Preservative	Date	Time
1.	Surface Water	SVOC-8270	NONE	4-13-04	1000
2.	Surface Water	VOC-8260	NONE	4-13-04	1000
3.	Surface Water	Dioxithion	NONE	4-13-04	1000
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Beverly Ashmore Date 4-14-04 Time 10:15
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

AA22075

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

COMPLIANCE MONITORING REPORT

To:	WILLIAM MCKERCHER	QA Type:	
		Date Collected	04/13/2004
		Time Collected:	09:15
		Sample Collector:	WMCKERCHER
		To Lab:	SV
Sample ID:	AA22077	Sample Type:	SURFACEWATER
Facility Name:	GREENS CREEK	Received By:	BEVERLY ASHMORE
Site ID:	COMPLAINT	LIMS Login Date:	04/14/2004
Sampling Loc:	HERC 413-S2	LIMS Login Time:	10:15
Discharge No:		COC Date:	4/14/2004
Other No:		COC Time:	10:15
Permit No:		Project:	3858
Latitude:		Study:	COMPLAINT
Longitude:		Reporting Date:	06/07/2004
County:	035 FORREST		

ANALYTE	METHOD	RESULT	UNIT	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
Dichlorodifluoromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Chloromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Vinyl Chloride	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Bromomethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Chloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Trichlorofluoromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Acetone	8260W	ND	ug/L	25	BA	4/15/04	4/15/04
1,1-Dichloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Methylene Chloride	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
trans-1,2-Dichloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1-Dichloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
2-Butanone (MEK)	8260W	ND	ug/L	25	BA	4/15/04	4/15/04
cis-1,2-Dichloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
2,2-Dichloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Chloroform	8260W	ND	ug/L	5	BA	4/15/04	4/15/04

Bromochloromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1,1-Trichloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dichloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1-Dichloropropene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Carbon Tetrachloride	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Benzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Trichloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dichloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Dibromomethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Bromodichloromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
4-Methyl-2-pentanone (MIBK)	8260W	ND	ug/L	25	BA	4/15/04	4/15/04
cis-1,3-Dichloropropene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Toluene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
trans-1,3-dichloropropene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1,2-Trichloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
2-Hexanone	8260W	ND	ug/L	25	BA	4/15/04	4/15/04
1,3-Dichloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Dibromochloromethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Tetrachloroethene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dibromoethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Chlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1,1,2-Tetrachloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Ethylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
m & p -Xylene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Styrene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
o - Xylene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Bromoform	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,1,2,2-Tetrachloroethane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Isopropylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2,3-Trichloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Bromobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
n-Propylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
2-Chlorotoluene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
4-Chlorotoluene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,3,5-Trimethylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
tert-Butylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2,4-Trimethylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
sec-Butylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,3-Dichlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
4-Isopropyltoluene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04

1,4-Dichlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dichlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
n-Butylbenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2-Dibromo-3-chloropropane	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2,4-Trichlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Naphthalene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
Hexachlorobutadiene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
1,2,3-Trichlorobenzene	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
z Dibromofluromethane	8260W	107%	ug/L	86-118	BA	4/15/04	4/15/04
z 1,2-Dichloroethane-d4	8260W	105%	ug/L	80-120	BA	4/15/04	4/15/04
z Toluene-d8	8260W	91%	ug/L	88-118	BA	4/15/04	4/15/04
z p-Bromoflurobenzene	8260W	105%	ug/L	86-115	BA	4/15/04	4/15/04
Methyl tertiary butyl ether	8260W	ND	ug/L	5	BA	4/15/04	4/15/04
bis(2-Chloroethyl)ether	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Phenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Chlorophenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
1,3-Dichlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
1,4-Dichlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
1,2-Dichlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzyl alcohol	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
bis(2-chloroisopropyl)ether	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Methylphenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Hexachloroethane	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
N-Nitroso-di-n-propylamine	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
4-Methylphenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzoic Acid	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Nitrobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Isophorone	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Nitrophenol	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
2,4-Dimethylphenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
bis(2-Chloroethoxy)methane	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2,4-Dichlorophenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
1,2,4-Trichlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Naphthalene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Chloroaniline	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
Hexachlorobutadiene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Chloro-3-methylphenol	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
2-Methylnaphthalene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Hexachlorocyclopentadiene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2,4,6-Trichlorophenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04

2,4,5-Trichlorophenol	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Chloronaphthalene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2-Nitroaniline	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Acenaphthylene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Dimethylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2,6-Dinitrotoluene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Acenaphthene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
3-Nitroaniline	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
2,4-Dinitrophenol	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Dibenzofuran	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
2,4-Dinitrotoluene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Nitrophenol	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Fluorene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Chlorophenyl-phenylether	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Diethylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
4-Nitroaniline	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
4,6-Dinitro-2-methylphenol	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
n-Nitrosodiphenylamine	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
4-Bromophenyl-phenylether	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Hexachlorobenzene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Pentachlorophenol	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Phenanthrene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Anthracene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Carbazole	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Di-n-butylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Fluoranthene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Pyrene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Butylbenzylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
3,3'-Dichlorobenzidine	8270	ND	ug/L	100.0	JES	4/20/04	5/20/04
Benzo[a]anthracene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Chrysene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
bis(2-Ethylhexyl)phthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Di-n-octylphthalate	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzo[b]fluoranthene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzo[k]fluoranthene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Benzo[a]pyrene	8270	ND	ug/L	20.00	JES	4/20/04	5/20/04
Indeno[1,2,3-cd]pyrene	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
Dibenz[a,h]anthracene	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
Benzo[g,h,i]perylene	8270	ND	ug/L	40.00	JES	4/20/04	5/20/04
z 2-Fluorophenol	8270	59%	ug/L	0	JES	4/20/04	5/20/04

z Phenol-d5	8270	61%	ug/L	0	JES	4/20/04	5/20/04
z Nitrobenzene-d5	8270	54%	ug/L	0	JES	4/20/04	5/20/04
z 2-Fluorobiphenyl	8270	63%	ug/L	0	JES	4/20/04	5/20/04
z 2,4,6-Tribromophenol	8270	60%	ug/L	0	JES	4/20/04	5/20/04
z Terphenyl-d14	8270	71%	ug/L	0	JES	4/20/04	5/20/04

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
>: greater than
z: surrogate

COC Date: Date Chain of Custody Signed
COC Time: Time Chain of Custody Signed

SAMPLE COMMENTS:

Semi-Vol. Notes:

1) This extract contains trace levels of Chlormephos and Sulfotep.

Approved By: _____

BUREAU OF POLLUTION CONTRO
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Green's Creek
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4-14-04
Sample Point Identification HERC 413-52
Requested By William McKercher Data To William McKercher
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By William McKercher
Where Taken HERC 413-52

	Type	Parameters	Preservative	Date	Time
1.	Surface Water	BVOC - 8270	NONE	4-13-04	0915
2.	Surface Water	VOC - 8260	NONE	4-13-04	0915
3.	Surface Water	Dioxithion	NONE	4-13-04	0915
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Beverly Ashmore Date 4-14-04 Time 10:15
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

AA02077

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

COMPLIANCE MONITORING REPORT

To:	WILLIAM MCKERCHER	QA Type:	
		Date Collected	04/13/2004
		Time Collected:	09:15
		Sample Collector:	WMCKERCHER
		To Lab:	SV
Sample ID:	AA22078	Sample Type:	SEDIMENT
Facility Name:	GREENS CREEK	Received By:	BEVERLY ASHMORE
Site ID:	COMPLAINT	LIMS Login Date:	04/14/2004
Sampling Loc:	HERC 413-S2	LIMS Login Time:	10:15
Discharge No:		COC Date:	4/14/2004
Other No:		COC Time:	10:15
Permit No:		Project:	3858
Latitude:		Study:	COMPLAINT
Longitude:		Reporting Date:	06/07/2004
County:	035 FORREST		

ANALYTE	METHOD	RESULT	UNIT	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
Dichlorodifluoromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Chloromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Vinyl Chloride	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Bromomethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Chloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Trichlorofluoromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Acetone	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1-Dichloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Methylene Chloride	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
trans-1,2-Dichloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1-Dichloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
2-Butanone (MEK)	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
cis-1,2-Dichloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
2,2-Dichloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Chloroform	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04

Bromochloromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1,1-Trichloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2-Dichloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1-Dichloropropene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Carbon Tetrachloride	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Benzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Trichloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2-Dichloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Dibromomethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Bromodichloromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
4-Methyl-2-pentanone (MIBK)	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
cis-1,3-Dichloropropene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Toluene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
trans-1,3-dichloropropene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1,2-Trichloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
2-Hexanone	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,3-Dichloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Dibromochloromethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Tetrachloroethene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2-Dibromoethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Chlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1,1,2-Tetrachloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Ethylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
m & p -Xylene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Styrene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
o - Xylene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Bromoform	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,1,2,2-Tetrachloroethane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Isopropylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2,3-Trichloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Bromobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
n-Propylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
2-Chlorotoluene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
4-Chlorotoluene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,3,5-Trimethylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
tert-Butylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2,4-Trimethylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
sec-Butylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,3-Dichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
4-Isopropyltoluene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04

1,2-Dichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
n-Butylbenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2-Dibromo-3-chloropropane	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2,4-Trichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Naphthalene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
Hexachlorobutadiene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,2,3-Trichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
1,4-Dichlorobenzene	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
z Dibromofluromethane	8260S	103%	ug/kg	86-118	BA	4/23/04	4/23/04
z 1,2-Dichloroethane-d4	8260S	99%	ug/kg	80-120	BA	4/23/04	4/23/04
z Toluene-d8	8260S	107%	ug/kg	88-118	BA	4/23/04	4/23/04
z p-Bromoflurobenzene	8260S	108%	ug/kg	86-115	BA	4/23/04	4/23/04
Methyl tertiary butyl ether	8260S	ND	ug/kg	200	BA	4/23/04	4/23/04
bis(2-Chloroethyl)ether	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Phenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2-Chlorophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
1,3-Dichlorobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
1,4-Dichlorobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
1,2-Dichlorobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Benzyl alcohol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
bis(2-chloroisopropyl)ether	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2-Methylphenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Hexachloroethane	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
N-Nitroso-di-n-propylamine	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
4-Methylphenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Benzoic Acid	8270	ND	ug/kg	16000	JES	4/22/04	5/30/04
Nitrobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Isophorone	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2-Nitrophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2,4-Dimethylphenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
bis(2-Chloroethoxy)methane	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2,4-Dichlorophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
1,2,4-Trichlorobenzene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Naphthalene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
4-Chloroaniline	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Hexachlorobutadiene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
4-Chloro-3-methylphenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2-Methylnaphthalene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Hexachlorocyclopentadiene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2,4,6-Trichlorophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04

2,4,5-Trichlorophenol	8270	ND	ug/kg	16000	JES	4/22/04	5/30/04
2-Chloronaphthalene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2-Nitroaniline	8270	ND	ug/kg	16000	JES	4/22/04	5/30/04
Acenaphthylene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Dimethylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2,6-Dinitrotoluene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Acenaphthene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
3-Nitroaniline	8270	ND	ug/kg	16000	JES	4/22/04	5/30/04
2,4-Dinitrophenol	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Dibenzofuran	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
2,4-Dinitrotoluene	8270	ND	ug/kg	16000	JES	4/22/04	5/30/04
4-Nitrophenol	8270	ND	ug/kg	16000	JES	4/22/04	5/30/04
Fluorene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
4-Chlorophenyl-phenylether	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Diethylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
4-Nitroaniline	8270	ND	ug/kg	16000	JES	4/22/04	5/30/04
4,6-Dinitro-2-methylphenol	8270	ND	ug/kg	16000	JES	4/22/04	5/30/04
n-Nitrosodiphenylamine	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
4-Bromophenyl-phenylether	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Hexachlorobenzene	8270	Trace 1110	ug/kg	3300	JES	4/22/04	5/30/04
Pentachlorophenol	8270	ND	ug/kg	6600	JES	4/22/04	5/30/04
Phenanthrene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Anthracene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Carbazole	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Di-n-butylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Fluoranthene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Pyrene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Butylbenzylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
3,3'-Dichlorobenzidine	8270	ND	ug/kg	6600	JES	4/22/04	5/30/04
Benzo[a]anthracene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Chrysene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
bis(2-Ethylhexyl)phthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Di-n-octylphthalate	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Benzo[b]fluoranthene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Benzo[k]fluoranthene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Benzo[a]pyrene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Indeno[1,2,3-cd]pyrene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Dibenz[a,h]anthracene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
Benzo[g,h,i]perylene	8270	ND	ug/kg	3300	JES	4/22/04	5/30/04
z 2-Fluorophenol	8270	56%	ug/kg	0	JES	4/22/04	5/30/04

z Phenol-d5	8270	19%	ug/kg	0	JES	4/22/04	5/30/04
z Nitrobenzene-d5	8270	40%	ug/kg	0	JES	4/22/04	5/30/04
z 2-Fluorobiphenyl	8270	76%	ug/kg	0	JES	4/22/04	5/30/04
z 2,4,6-Tribromophenol	8270	54%	ug/kg	0	JES	4/22/04	5/30/04
z p-Terphenyl-d14	8270	65%	ug/kg	0	JES	4/22/04	5/30/04

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
>: greater than
z: surrogate

COC Date: Date Chain of Custody Signed
COC Time: Time Chain of Custody Signed

SAMPLE COMMENTS:

Semi-Vol Note:

1) Recovery of surrogate #2 is low. JES

Approved By: _____