



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

OFFICE OF POLLUTION CONTROL LABORATORY
1542 OLD WHITFIELD ROAD
PEARL, MS 39208-9186

083858

Chain of Custody Record

PROJECT NAME: Courtsey Ford

PROJECT LOCATION: Abbevilleburg

- ESD SAMPE TYPES
- SURFACEWATER
 - GROUNDWATER
 - POTABLE WATER
 - WASTEWATER
 - LEACHATE
 - SOIL/SEDIMENT
 - SLUDGE
 - WASTE
 - AIR
 - FISH

11. OTHER

Sampler

- A. Mike Bauer
B. _____
C. _____

SAMPLE ID	Sample Type	Date	Time	Collection	
				Comp	Grab
Courtsey Ford	6	8/24	10:37X		me

DESCRIPTION

Soil pile sample

REMARKS:

DATA TO: Tony Russell

TOTAL CONTAINERS: 1

(Circle/Add parameter desired. List no. of containers submitted.)

VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE
<u>1</u>							

TAG NO./REMARKS:

4875

Custody Seals Intact at Lab
Seals Not Intact upon Receipt by Lab

LAB USE ONLY

RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)
<u>Tony Russell</u>	<u>8/25/05</u>	<u>Glanny Sawyer</u>	<u>1205</u>	<u>Glanny Sawyer</u>		
<u>Tony Russell</u>		<u>Glanny Sawyer</u>		<u>Glanny Sawyer</u>		

Temp. 20°C

DISTRIBUTIONS: 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

09/07

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA45275

Location code **GARD**

Location Description **COURTSEY FORD**

Sample collector **MBONNER**

Collection date: **08/24/2010**

Lab submittal date: **08/25/2010**

Due date: **02/20/2011**

PONUMB: _____

Login record file: **100825003**

Collection time: **10:37**

Lab submittal time: **12:08**

Division Code: **3858**

PERMIT_NO _____

DISCHARGE_NO _____

OTHER_NO _____

SAMPLE_LOCATION **COURTSEY**

REQUESTED_BY **TONY RUSSELL**

LATITUDE _____

LONGITUDE _____

DELIVERY_MODE **SV**

Analyses ordered

Method

Due Date

SEMIVOLATILE ORGANICS SOIL/FISH

8270

10/17/2010

SEMIVOLATILE ORGANICS SOIL / FISH SURR

8270

10/17/2010

Extract For Semi-Volatile Analysis

3520

09/07/2010

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

Received by: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Courtesy Ford
County Code Arrest NPDES Permit No. _____
Discharge No. _____ Date Requested 8/25/70
Sample Point Identification Courtesy Ford
Requested By Tom Russell Data To 7 Russell
Type of Sample: Grab () Composite (Flow) (Time) Other ()

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By M. Bunnel
Where Taken Soil 70600 Courtesy Ford Dealership
Type Parameters Preservative Date Time
1. Soil Ammonia N & P None 8/24/70 1037
2. _____ _____ _____ _____ _____
3. _____ 8270 8:ms _____ _____ _____
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 Lays Date 8-25-70 Time 1205
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	_____ mg/l	_____	*
COD ₅	(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 Low level analysis

*Date of Test Initiation _____ #3858 45275

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

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

Sample Results

To: TONY RUSSELL		Study: GARD
Sample ID: AA45275		County: 035 FORREST
Location Name: COURTSEY FORD <i>ES JAN</i>		Basin:
Location Description: COURTSEY <i>Courtesy Jan</i>		QA Type:
Location Code: GARD		Division Code: 3858
Other No.:		Requested By: TONY RUSSELL
Permit No.:		Date Collected: 08/24/2010
Discharge No.:		Time Collected: 1037
Master AI No.: 0		Sample Collector: MBONNER
Latitude:		Delivery Mode: SV
Longitude:		Received at Lab by: TAMMY SAWYER
		Date Received at Lab: 08/25/2010
		Time Received at Lab: 1205

ANALYTE

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL			
1,2-Dichlorobenzene	8270	<MQL	µg/kg	660	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/kg	660	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/kg	660	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	660	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	660	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/kg	3200	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/kg	660	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/kg	660	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/kg	660	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/kg	660	JSHELL
1-Chloronaphthalene	8270	<MQL	µg/kg	3200	JSHELL
2-Chlorophenol	8270	<MQL	µg/kg	660	JSHELL
1-Methylnaphthalene	8270	<MQL	µg/kg	660	JSHELL
1-Methylphenol	8270	Trace 421	µg/kg	660	JSHELL
4-Nitroaniline	8270	<MQL	µg/kg	660	JSHELL
4-Nitrophenol	8270	<MQL	µg/kg	660	JSHELL
1,2-Dichlorobenzidine	8270	<MQL	µg/kg	3200	JSHELL
	8270	<MQL	µg/kg	660	JSHELL
				1320	JSHELL

3-Nitroaniline	8270	<MQL	µg/kg	3200	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	3200	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	660	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	660	JSHELL
4-Chloroaniline	8270	<MQL	µg/kg	660	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	660	JSHELL
4-Methylphenol	8270	<MQL	µg/kg	660	JSHELL
4-Nitroaniline	8270	<MQL	µg/kg	3200	JSHELL
4-Nitrophenol	8270	<MQL	µg/kg	3200	JSHELL
Acenaphthene	8270	Trace 293	µg/kg	660	JSHELL
Acenaphthylene	8270	9420	µg/kg	660	JSHELL
Anthracene	8270	13000	µg/kg	660	JSHELL
Benzo[a]anthracene	8270	10200	µg/kg	660	JSHELL
Benzo[a]pyrene	8270	11900	µg/kg	660	JSHELL
Benzo[b]fluoranthene	8270	24900	µg/kg	660	JSHELL
Benzo[g,h,i]perylene	8270	6470	µg/kg	660	JSHELL
Benzo[k]fluoranthene	8270	10600	µg/kg	660	JSHELL
Benzoic Acid	8270	<MQL	µg/kg	3200	JSHELL
Benzyl alcohol	8270	<MQL	µg/kg	660	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	660	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	660	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	660	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	660	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/kg	660	JSHELL
Carbazole	8270	<MQL	µg/kg	660	JSHELL
Chrysene	8270	13600	µg/kg	660	JSHELL
Dibenz[a,h]anthracene	8270	2640	µg/kg	660	JSHELL
Dibenzofuran	8270	Trace 529	µg/kg	660	JSHELL
Diethylphthalate	8270	<MQL	µg/kg	660	JSHELL
Dimethylphthalate	8270	<MQL	µg/kg	660	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/kg	660	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/kg	660	JSHELL
Fluoranthene	8270	12000	µg/kg	660	JSHELL
Fluorene	8270	712	µg/kg	660	JSHELL
Hexachlorobenzene	8270	<MQL	µg/kg	660	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/kg	660	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	660	JSHELL
Hexachloroethane	8270	<MQL	µg/kg	660	JSHELL
Indeno[1,2,3-cd]pyrene	8270	10700	µg/kg	660	JSHELL
Isophorone	8270	<MQL	µg/kg	660	JSHELL
Naphthalene	8270	767	µg/kg	660	JSHELL
Nitrobenzene	8270	<MQL	µg/kg	660	JSHELL

N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	660	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	660	JSHELL
Pentachlorophenol	8270	<MQL	µg/kg	1320	JSHELL
Phenanthrene	8270	2520	µg/kg	660	JSHELL
Phenol	8270	<MQL	µg/kg	660	JSHELL
Pyrene	8270	13300	µg/kg	660	JSHELL
2,4,6-Tribromophenol	8270	74	%	19-122	JSHELL
2-Fluorobiphenyl	8270	72	%	30-115	JSHELL
2-Fluorophenol	8270	48	%	25-121	JSHELL
Nitrobenzene-d5	8270	57	%	23-120	JSHELL
Phenol-d5	8270	58	%	24-113	JSHELL
p-Terphenyl-d14	8270	71	%	18-137	JSHELL

ABBREVIATIONS / DEFINITIONS

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

SAMPLE COMMENTS

WHERE TAKEN: SOIL PILE AT COURTESY FORD DEARLSHIP
 COLLECTOR: MIKE BANNER - FIELD CONSULTANT
 REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 09/13/2010

Validated By _____

Date Report Printed 09/13/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Courtsey Ford
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 8/25/10
Sample Point Identification Courtsey Ford
Requested By Tony Russell Data To T Russell
Type of Sample: Grab Composite (Flow) (Time) Other ()

II. SAMPLE IDENTIFICATION: Environment Condition _____ Collected By M. Rounes
Where Taken Soil Pile @ Courtsey Ford Dealership
Type Parameters Preservative Date Time
1. Soil semi-vocs None 8/24/10 1039
2. _____ _____ _____ _____ _____
3. _____ 8270 Sims _____ _____ _____
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 Sawyer Date 8-25-10 Time 1205
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	_____ mg/l	_____	*
COD ₅	(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 low level analysis

*Date of Test Initiation _____

3858

45275

PROJECT NAME: Gulf States Creosote

PROJECT LOCATION: Nathesburg

ESD SAMPE TYPES

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

Sampler
A. Dickie Allison
B. _____
C. _____

REMARKS:

DATA TO: Tony Russell

SAMPLE ID	Sample Type	Date	Time	Grab	Comp	Description	ANALYSIS										TAG NO./REMARKS:	Custody Seals Intact at Lab	Seals Not Intact upon Receipt by Lab	LAB USE ONLY								
							VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE														
SW-2	1	8/23	1546	X		Gardner's Creek sample	1																	45214				

Temp. 2.0c

RELINQUISHED BY (PRINT)	DATE/TIME	RECEIVED BY (PRINT)	DATE/TIME	RELINQUISHED BY (SIGN)	DATE/TIME	RECEIVED BY (SIGN)
<u>Tony Russell</u>		<u>Sammy Sawyer</u>	8/23/10	[Signature]		[Signature]
<u>Tony Russell</u>		<u>Sammy Sawyer</u>	8/23/10	[Signature]		[Signature]

DISTRIBUTIONS: 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.

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA45274

Location code **C0350009**

Location Description **GULF STATE CREOSOTE**

Sample collector **DALLISON**

Collection date: **08/23/2010**

Lab submittal date: **08/25/2010**

Due date: **02/19/2011**

PONUMB: _____

Login record file: **100825003**

Collection time: **15:46**

Lab submittal time: **12:08**

Division Code: **3047**

PERMIT_NO _____

DISCHARGE_NO _____

OTHER_NO **SW-2**

SAMPLE_LOCATION **SW-2**

REQUESTED_BY **TONY RUSSELL**

LATITUDE _____

LONGITUDE _____

DELIVERY_MODE **SV**

Analyses ordered

Method

Due Date

SEMIVOL ORG COMPOUNDS

8270

10/09/2010

SEMIVOL ORG COMPOUNDS SURROGATES

8270

10/09/2010

Extract For Semi-Volatile Analysis

3520

08/30/2010

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

Received by: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code Forest NPDES Permit No. _____
Discharge No. _____ Date Requested 8/25/10
Sample Point Identification SW-2
Requested By Tom Russell Data To T Russell
Type of Sample: Grab () Composite (Flow) (Time) Other ()

II. SAMPLE IDENTIFICATION: Environment Condition _____ Collected By D. Allison
Where Taken Guadalupe Creek

Type	Parameters	Preservative	Date	Time
1. <u>surface water</u>	<u>SW, UGS</u>	<u>none</u>	<u>8/27/10</u>	<u>1546</u>
2. _____	<u>870 SW</u>	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____

II. 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 ()
Date 8-25-10 Time 1205

V. LABORATORY: Received By Tommy Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	_____ mg/l	_____	*
COD ₅	(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 town tested analysis

*Date of Test Initiation 3047 45274

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

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

Sample Results

To: TONY RUSSELL		Study:	GARD
Sample ID: AA45274		County:	035 FORREST
Location Name: GULF STATE CREOSOTE		Basin:	
Location Description: SW-2		QA Type:	
Location Code: C0350009		Division Code:	3047
Other No.: SW-2		Requested By:	TONY RUSSELL
Permit No.:		Date Collected:	08/23/2010
Discharge No.:		Time Collected:	1546
Master AI No.: 0		Sample Collector:	DALLISON
Latitude:		Delivery Mode:	SV
Longitude:		Received at Lab by:	TAMMY SAWYER
		Date Received at Lab:	08/25/2010
		Time Received at Lab:	1205

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/L	50.00	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/L	10.00	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/L	10.00	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/L	10.00	JSHELL
2-Chlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/L	10.00	JSHELL
2-Methylphenol	8270	<MQL	µg/L	10.00	JSHELL
2-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
2-Nitrophenol	8270	<MQL	µg/L	20.00	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/L	50.00	JSHELL

3-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/L	50.00	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/L	10.00	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/L	20.00	JSHELL
4-Chloroaniline	8270	<MQL	µg/L	20.00	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/L	10.00	JSHELL
4-Methylphenol	8270	<MQL	µg/L	10.00	JSHELL
4-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
4-Nitrophenol	8270	<MQL	µg/L	50.00	JSHELL
Acenaphthene	8270	<MQL	µg/L	10.00	JSHELL
Acenaphthylene	8270	<MQL	µg/L	10.00	JSHELL
Anthracene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[b]fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/L	20.00	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Benzoic Acid	8270	<MQL	µg/L	50.00	JSHELL
Benzyl alcohol	8270	<MQL	µg/L	20.00	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/L	10.00	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/L	10.00	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/L	10.00	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/L	10.00	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Carbazole	8270	<MQL	µg/L	10.00	JSHELL
Chrysene	8270	<MQL	µg/L	10.00	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/L	20.00	JSHELL
Dibenzofuran	8270	<MQL	µg/L	10.00	JSHELL
Diethylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Dimethylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Fluorene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/L	10.00	JSHELL
Hexachloroethane	8270	<MQL	µg/L	20.00	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/L	20.00	JSHELL
Isophorone	8270	<MQL	µg/L	10.00	JSHELL
Naphthalene	8270	<MQL	µg/L	10.00	JSHELL
Nitrobenzene	8270	<MQL	µg/L	10.00	JSHELL

N-Nitroso-di-n-propylamine	8270	<MQL	µg/L	20.00	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/L	20.00	JSHELL
Pentachlorophenol	8270	<MQL	µg/L	50.00	JSHELL
Phenanthrene	8270	<MQL	µg/L	10.00	JSHELL
Phenol	8270	<MQL	µg/L	10.00	JSHELL
Pyrene	8270	<MQL	µg/L	10.00	JSHELL
2,4,6-Tribromophenol	8270	81	%	10-123	JSHELL
2-Fluorobiphenyl	8270	79	%	43-116	JSHELL
2-Fluorophenol	8270	77	%	21-100	JSHELL
Nitrobenzene-d5	8270	79	%	35-114	JSHELL
Phenol-d5	8270	77	%	10-194	JSHELL
Terphenyl-d14	8270	60	%	33-141	JSHELL

ABBREVIATIONS / DEFINITIONS

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

SAMPLE COMMENTS WHERE TAKEN: GORDONS CREEK
COLLECTOR: DICKIE ALLISON - FIELD CONSULTANT
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 10/06/2010

Validated By 

Date Report Printed 10/06/2010

BUREAU OF POLLUTION CONTROL
 SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
 County Code Forest NPDES Permit No. _____
 Discharge No. _____ Date Requested 8/25/10
 Sample Point Identification SW-2
 Requested By Tony Russell Data To T Russell
 Type of Sample: Grab () Composite (Flow) (Time) Other ()

II. SAMPLE IDENTIFICATION:
 Environment Condition _____ Collected By D. Allison
 Where Taken Gardons Creek

	Type	Parameters	Preservative	Date	Time
1.	<u>surface water</u>	<u>5 parameters</u>	<u>None</u>	<u>8/22/10</u>	<u>1546</u>
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 Sawyer Date 8-25-10 Time 1205
 Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	mg/l		*
COD ₅	(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 low level analysis

3047

Chain of Custody Record

REMARKS:

DATA TO: *T. Russell*

(Circle/Add parameter desired. List no. of containers submitted.)

LAB USE ONLY

Seals Not Intact upon Receipt by Lab

Custody Seals Intact at Lab

TAG NO./REMARKS: *44398*

PROJECT NAME: <i>Gulf States Creosote</i>				PROJECT LOCATION: <i>Hattiesburg</i>				Sampler		DESCRIPTION										
ESD SAMPE TYPES				A. <i>Alison</i>				B. <i>Tony Russell</i>		C.										
SAMPLE ID	Sample Type	2010 Date	Time	Comp	Grab	TOTAL CONTAINERS			ANALYSIS											
						VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE							
<i>SW-21</i>	<i>1</i>	<i>5/19</i>	<i>1705</i>	<i>X</i>	<i>X</i>	<i>2</i>	<i>2</i>													
RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (SIGN)	DATE/TIME	RECEIVED BY: (SIGN)	DATE/TIME	RELINQUISHED BY: (SIGN)	DATE/TIME	RECEIVED BY: (SIGN)										
<i>Tony Russell</i>	<i>5/20/10</i>	<i>Lynette Cobb</i>	<i>5/20/10</i>																	
<i>Tony Russell</i>	<i>5/13/05</i>	<i>Lynette Cobb</i>	<i>5/13/05</i>																	

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA44398

Location code **C0350009**

Location Description **GULF STATES CREOSOTE**

Sample collector **DALLISON**

Collection date: **05/19/2010**

Lab submittal date: **05/20/2010**

Due date: **11/15/2010**

PONUMB: _____

Login record file: **100520005**

Collection time: **17:05**

Lab submittal time: **13:09**

Division Code: **3047**

PERMIT_NO _____

DISCHARGE_NO _____

OTHER_NO **SW-2**

SAMPLE_LOCATION **SW-2**

REQUESTED_BY **TONY RUSSELL**

LATITUDE _____

LONGITUDE _____

DELIVERY_MODE **SV**

Analyses ordered

SEMIVOL ORG COMPOUNDS
SEMIVOL ORG COMPOUNDS SURROGATES
Extract For Semi-Volatile Analysis

Method

8270
8270
3520

Due Date

07/05/2010
07/05/2010
05/26/2010

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

Received by: _____

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

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

Sample Results

To: TONY RUSSELL	Study: GARD County: 035 FORREST Basin: QA Type: Division Code: 3047 Requested By: TONY RUSSELL Date Collected: 05/19/2010 Time Collected: 1705 Sample Collector: DALLISON Delivery Mode: SV Received at Lab by: LYNETTE COBB Date Received at Lab: 5/20/2010 Time Received at Lab: 1305
Sample ID: AA44398 Location Name: GULF STATES CREOSOTE Location Description: SW-2 Location Code: C0350009 Other No.: SW-2 Permit No.: Discharge No.: Master AI No.: 0 Latitude: Longitude:	

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL	µg/L	20.00	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/L	20.00	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/L	20.00	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/L	20.00	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/L	20.00	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/L	20.00	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/L	20.00	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/L	20.00	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/L	100.0	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/L	20.00	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/L	20.00	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/L	20.00	JSHELL
2-Chlorophenol	8270	<MQL	µg/L	20.00	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/L	20.00	JSHELL
2-Methylphenol	8270	<MQL	µg/L	20.00	JSHELL
2-Nitroaniline	8270	<MQL	µg/L	100.0	JSHELL
2-Nitrophenol	8270	<MQL	µg/L	40.00	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/L	100.0	JSHELL

3-Nitroaniline	8270	<MQL	µg/L	100.0	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/L	100.0	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/L	20.00	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/L	40.00	JSHELL
4-Chloroaniline	8270	<MQL	µg/L	40.00	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/L	20.00	JSHELL
4-Methylphenol	8270	<MQL	µg/L	20.00	JSHELL
4-Nitroaniline	8270	<MQL	µg/L	100.0	JSHELL
4-Nitrophenol	8270	<MQL	µg/L	100.0	JSHELL
Acenaphthene	8270	<MQL	µg/L	20.00	JSHELL
Acenaphthylene	8270	<MQL	µg/L	20.00	JSHELL
Anthracene	8270	<MQL	µg/L	20.00	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/L	20.00	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/L	20.00	JSHELL
Benzo[b]fluoranthene	8270	<MQL	µg/L	20.00	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/L	40.00	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/L	20.00	JSHELL
Benzoic Acid	8270	<MQL	µg/L	100.0	JSHELL
Benzyl alcohol	8270	<MQL	µg/L	40.00	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/L	20.00	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/L	20.00	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/L	20.00	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/L	20.00	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/L	20.00	JSHELL
Carbazole	8270	<MQL	µg/L	20.00	JSHELL
Chrysene	8270	<MQL	µg/L	20.00	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/L	40.00	JSHELL
Dibenzofuran	8270	<MQL	µg/L	20.00	JSHELL
Diethylphthalate	8270	<MQL	µg/L	20.00	JSHELL
Dimethylphthalate	8270	<MQL	µg/L	20.00	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/L	20.00	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/L	20.00	JSHELL
Fluoranthene	8270	<MQL	µg/L	20.00	JSHELL
Fluorene	8270	<MQL	µg/L	20.00	JSHELL
Hexachlorobenzene	8270	<MQL	µg/L	20.00	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/L	20.00	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/L	20.00	JSHELL
Hexachloroethane	8270	<MQL	µg/L	40.00	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/L	40.00	JSHELL
Isophorone	8270	<MQL	µg/L	20.00	JSHELL
Naphthalene	8270	<MQL	µg/L	20.00	JSHELL
Nitrobenzene	8270	<MQL	µg/L	20.00	JSHELL

N-Nitroso-di-n-propylamine	827	<MQL	µg/L	40.00	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/L	40.00	JSHELL
Pentachlorophenol	8270	<MQL	µg/L	100.0	JSHELL
Phenanthrene	8270	<MQL	µg/L	20.00	JSHELL
Phenol	8270	<MQL	µg/L	20.00	JSHELL
Pyrene	8270	<MQL	µg/L	20.00	JSHELL
2,4,6-Tribromophenol	8270	77	%	10-123	JSHELL
2-Fluorobiphenyl	8270	86	%	43-116	JSHELL
2-Fluorophenol	8270	53	%	21-100	JSHELL
Nitrobenzene-d5	8270	72	%	35-114	JSHELL
Phenol-d5	8270	67	%	10-194	JSHELL
Terphenyl-d14	8270	82	%	33-141	JSHELL

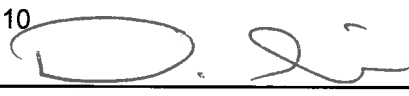
ABBREVIATIONS / DEFINITIONS

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

SAMPLE COMMENTS COLLECTOR: DICKIE ALLISON - FIELD CONSULTANT.
LOW LEVEL ANALYSIS

Sample Validation Date 06/16/2010

Validated By



Date Report Printed 06/17/2010

BUREAU OF POLLUTION CONTROL

SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Cresote
 County Code Forrest NPDES Permit No. _____
 Discharge No. _____ Date Requested 5/20/10
 Sample Point Identification SW-2
 Requested By Tony Russell Data To T Russell
 Type of Sample: Grab (X) Composite (Flow) (Time) Other ()

II. SAMPLE IDENTIFICATION:
 Environment Condition _____ Collected By D. Allison
 Where Taken Gardons Creek

1.	Type	Parameters	Preservative	Date	Time
1.	Surface Water	Semi-Vocs	None	5/19/10	1705
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 J. [Signature] Date 5/20/10 Time 1300

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	mg/l		*
COD ₅	(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 low level Analysis

*Date of Test Initiation 3047

44398



3858

Chain of Custody Record

REMARKS:

PROJECT NAME: ESC - Ft. Area Gordon's Creek

PROJECT LOCATION: Stattiesburg

ESD SAMPE TYPES

- 1. SURFACEWAER
- 2. GROUNDWATER
- 3. POTABLE WATER
- 4. WASTEWATER
- 5. LEACHATE
- 6. SOIL/SEDIMENT
- 7. SLUDGE
- 8. WASTE
- 9. AIR
- 10. FISH
- 11. OTHER

Sampler

- A. D. Allison
- B. Tony Russell
- C. _____

SAMPLE ID	Sample Type	Date	Time	DATE/TIME	
				DATE/TIME	DATE/TIME
SW-2	1	2-23	145	X	Surface water #2

DESCRIPTION

Surface water #2

DATA TO: T Russell

ANALYSIS

(Circle/Add parameter desired. List no. of containers submitted.)

TOTAL CONTAINERS	VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE
1	/							

TAG NO./REMARKS:

43594

Custody Seals Intact at Lab
Seals Not Intact upon Receipt by Lab

LAB USE ONLY

RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)
<u>Tony Russell</u>		<u>Jimmy Sawyer</u>	2/24/00			
<u>Tony Russell</u>		<u>Jimmy Sawyer</u>	2/24/00			

temp. a.d.

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name _____

County Code _____

NPDES Permit No. _____

Discharge No. _____

Date Requested _____

Sample Point Identification _____

Data To _____

Requested By _____

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

Environment Condition _____

Collected By _____

Where Taken _____

Parameters _____

Preservative _____

Date _____

Time _____

II. 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 ()

LABORATORY: Received By _____

Date _____

Time _____

Recorded By _____

Date Sent to State Office _____

Computer _____

Request _____

Result _____

Analyst _____

Date Measured _____

Analysis

Code

mg/l

(000310)

mg/l

(000340)

mg/l

(000680)

mg/l

Suspended Solids

(099000)

mg/l

TKN

(000625)

mg/l

Ammonia-N

(000610)

mg/l

(074055)

colonies/100 ml

(074055)

colonies/100 ml

(000665)

mg/l

Total Phosphorus

(000550)

mg/l

Oil and Grease (1)

(000550)

mg/l

Oil and Grease (2)

(099016)

mg/l

Chlorides

(032730)

mg/l

Phenol

(001034)

mg/l

Total Chromium

(001032)

mg/l

Hex. Chromium

(001092)

mg/l

Zinc

(001042)

mg/l

Copper

(017501)

mg/l

Lead

(000722)

mg/l

Cyanide

*Date of Test Initiation

Remarks

43511

3852

Sample Receipt

Mississippi DEQ/OPC Laboratory

Login record file: 100224010

Collection time: 11:45

Lab submittal time: 11:59

Division Code: 3858

Sample I.D. AA43596

Location code C0350009

Location Description GULF STATE CREOSOTE

Sample collector DALLISON

Collection date: 02/23/2010

Lab submittal date: 02/24/2010

Due date: 08/22/2010

PONUMB: _____

PERMIT_NO _____

DISCHARGE_NO _____

OTHER_NO SW-2 _____

SAMPLE_LOCATION SW-2

REQUESTED_BY TONY RUSSELL

LATITUDE _____

LONGITUDE _____

DELIVERY_MODE SV

Analyses ordered

SEMIVOL ORG COMPOUNDS

SEMIVOL ORG COMPOUNDS SURROGATES

Extract For Semi-Volatile Analysis

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

Received by: _____

Method	Due Date
8270	04/11/2010
8270	04/11/2010
3520	03/02/2010

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

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

Sample Results

To: TONY RUSSELL		Study:	GARD
Sample ID: AA43596		County:	035 FORREST
Location Name: GULF STATE CREOSOTE		Basin:	
Location Description: SW-2		QA Type:	
Location Code: C0350009		Division Code:	3858
Other No.: SW-2		Requested By:	TONY RUSSELL
Permit No.:		Date Collected:	02/23/2010
Discharge No.:		Time Collected:	1145
Master AI No.: 0		Sample Collector:	DALLISON
Latitude:		Delivery Mode:	SV
Longitude:		Received at Lab by:	TAMMY SAWYER
		Date Received at Lab:	02/24/2010
		Time Received at Lab:	1155

ANALYTE	METHOD	RESULT	UNITS	SQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/L	50.00	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/L	10.00	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/L	10.00	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/L	10.00	JSHELL
2-Chlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/L	10.00	JSHELL
2-Methylphenol	8270	<MQL	µg/L	10.00	JSHELL
2-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
2-Nitrophenol	8270	<MQL	µg/L	20.00	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/L	50.00	JSHELL

3-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/L	50.00	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/L	10.00	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/L	20.00	JSHELL
4-Chloroaniline	8270	<MQL	µg/L	20.00	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/L	10.00	JSHELL
4-Methylphenol	8270	<MQL	µg/L	10.00	JSHELL
4-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
4-Nitrophenol	8270	<MQL	µg/L	50.00	JSHELL
Acenaphthene	8270	<MQL	µg/L	10.00	JSHELL
Acenaphthylene	8270	<MQL	µg/L	10.00	JSHELL
Anthracene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[b]fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/L	20.00	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Benzoic Acid	8270	<MQL	µg/L	50.00	JSHELL
Benzyl alcohol	8270	<MQL	µg/L	20.00	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/L	10.00	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/L	10.00	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/L	10.00	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/L	10.00	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Carbazole	8270	<MQL	µg/L	10.00	JSHELL
Chrysene	8270	<MQL	µg/L	10.00	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/L	20.00	JSHELL
Dibenzofuran	8270	<MQL	µg/L	10.00	JSHELL
Diethylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Dimethylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Fluorene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/L	10.00	JSHELL
Hexachloroethane	8270	<MQL	µg/L	20.00	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/L	20.00	JSHELL
Isophorone	8270	<MQL	µg/L	10.00	JSHELL
Naphthalene	8270	<MQL	µg/L	10.00	JSHELL
Nitrobenzene	8270	<MQL	µg/L	10.00	JSHELL

N-Nitroso-di-n-propylamine	827	<MQL	µg/L	20.00	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/L	20.00	JSHELL
Pentachlorophenol	8270	<MQL	µg/L	50.00	JSHELL
Phenanthrene	8270	<MQL	µg/L	10.00	JSHELL
Phenol	8270	<MQL	µg/L	10.00	JSHELL
Pyrene	8270	<MQL	µg/L	10.00	JSHELL
2,4,6-Tribromophenol	8270	82	%	10-123	JSHELL
2-Fluorobiphenyl	8270	91	%	43-116	JSHELL
2-Fluorophenol	8270	68	%	21-100	JSHELL
Nitrobenzene-d5	8270	81	%	35-114	JSHELL
Phenol-d5	8270	75	%	10-194	JSHELL
Terphenyl-d14	8270	85	%	33-141	JSHELL

ABBREVIATIONS / DEFINITIONS

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

SAMPLE COMMENTS WHERE TAKEN: ADJACENT TO WALL BELOW SEWER LINE
COLLECTOR: D ALLISON - FIELD CONSULTANT
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 03/30/2010

Validated By _____



Date Report Printed 03/30/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC
County Code Forest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/24/20
Sample Point Identification SW-2
Requested By Tony Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ()

II. SAMPLE IDENTIFICATION: Environment Condition _____ Collected By D. Allison
Where Taken Adjacent to wall below sewer line

Type	Parameters	Preservative	Date	Time
1. <u>surface water</u>	<u>Semi-VOCs</u>	<u>none</u>	<u>2/23/11</u>	<u>11:45</u>
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 Jimmy Dancy Date 2/24/10 Time 11:55
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	_____ mg/l	_____	*
COD ₅	(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 low level analysis

*Date of Test Initiation # 3858 43596



Chain of Custody Record

3858

PROJECT NAME: GSC - Fill Area

PROJECT LOCATION: Hartiesburg

REMARKS: RUSA

DATA TO: T Russell

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

SAMPLE ID	Sample Type	Date	Time	Collection Method		DESCRIPTION	SAMPLER	ANALYSIS							TAG NO./REMARKS:	LAB USE ONLY
				Comp	Grab			VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO		
<u>DFI</u>	<u>1</u>	<u>7/12</u>	<u>0750</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>outfall to Gordon Creek</u>	<u>Tony Russell</u>									<u>43457</u>
<u>WP Ditch</u>	<u>1</u>	<u>2/17</u>	<u>0805</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>West Pine Ditch</u>										<u>43485</u>

TOTAL CONTAINERS: _____

DATE/TIME _____

RECEIVED BY: Jimmy Sawyer (SIGN) (PRINT)

RELINQUISHED BY: Tony Russell (SIGN) (PRINT)

DATE/TIME: 2/12/10

RECEIVED BY: Jimmy Sawyer (SIGN) (PRINT)

RELINQUISHED BY: Tony Russell (SIGN) (PRINT)

DATE/TIME: 2/17/05

RECEIVED BY: _____ (SIGN) (PRINT)

RELINQUISHED BY: _____ (SIGN) (PRINT)

DATE/TIME: _____

RECEIVED BY: _____ (SIGN) (PRINT)

RELINQUISHED BY: _____ (SIGN) (PRINT)

DATE/TIME: _____

RECEIVED BY: _____ (SIGN) (PRINT)

RELINQUISHED BY: _____ (SIGN) (PRINT)

DATE/TIME: _____

RECEIVED BY: _____ (SIGN) (PRINT)

RELINQUISHED BY: _____ (SIGN) (PRINT)

DATE/TIME: _____

RECEIVED BY: _____ (SIGN) (PRINT)

RELINQUISHED BY: _____ (SIGN) (PRINT)

DATE/TIME: _____

RECEIVED BY: _____ (SIGN) (PRINT)

RELINQUISHED BY: _____ (SIGN) (PRINT)

DATE/TIME: _____

RECEIVED BY: _____ (SIGN) (PRINT)

RELINQUISHED BY: _____ (SIGN) (PRINT)

DATE/TIME: _____

Rush

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name _____
 County Code _____ NPDES Permit No. _____
 Discharge No. _____ Date Requested 3/12/60
 Sample Point Identification West Twp. Detch
 Requested By _____ Date To _____
 Type of Sample: Grab () / Composite (Flow) (Time) Other () _____

II. SAMPLE IDENTIFICATION:
 Environment Condition _____ Collected By T. R. Hall
 Where Taken West Twp. Detch

Type	Parameters	Preservative	Date	Time
1.	_____	_____	3/12/60	0805
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 J. M. Jones Date _____ Time _____
 Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	mg/l	_____	*
COD ₅	(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	_____	_____	_____	_____	_____

Remarks Test analysis

Kush

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC - 511 Area
 County Code _____ NPDES Permit No. _____
 Discharge No. _____ Date Requested 2/1/64
 Sample Point Identification DP-1
 Requested By _____ Data To _____
 Type of Sample: Grab () Composite (Flow) (Time) Other () _____

II. SAMPLE IDENTIFICATION:
 Environment Condition _____ Collected By T. Powell
 Where Taken _____

Type	Parameters	Preservative	Date	Time
1.	<u>zinc</u>	<u>None</u>	<u>2/1/64</u>	<u>10:50</u>
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 Sammy Davis Date 2/1 Time _____
 Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	_____ mg/l	_____	*
COD ₅	(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 _____

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA43454
Location code C0350009
Location Description GULF STATE CREOSOTE
Sample collector TRUSSELL
Collection date: 02/17/2010
Lab submittal date: 02/17/2010
Due date: 08/16/2010
PONUMB: _____

Login record file: 100217002

Collection time: 07:50
Lab submittal time: 10:00

Division Code: 3858

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO OF-1
SAMPLE_LOCATION OF-1
REQUESTED_BY TONY RUSSELL
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE SV

Analyses ordered

SEMIVOL ORG COMPOUNDS
SEMIVOL ORG COMPOUNDS SURROGATES
Extract For Semi-Volatile Analysis

Method

8270
8270
3520

Due Date

04/05/2010
04/05/2010
02/24/2010

Sample I.D. AA43455
Location code C0350009
Location Description GULF STATE CREOSOTE
Sample collector TRUSSELL
Collection date: 02/17/2010
Lab submittal date: 02/17/2010
Due date: 08/16/2010
PONUMB: _____

Login record file: 100217002

Collection time: 08:05
Lab submittal time: 10:00

Division Code: 3858

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO WP DITCH
SAMPLE_LOCATION WP DITCH
REQUESTED_BY TONY RUSSELL
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE SV

Analyses ordered

SEMIVOL ORG COMPOUNDS
SEMIVOL ORG COMPOUNDS SURROGATES
Extract For Semi-Volatile Analysis

Method

8270
8270
3520

Due Date

04/05/2010
04/05/2010
02/24/2010

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

Received by: _____

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

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

Sample Results

To: TONY RUSSELL	Study: GARD County: 035 FORREST Basin: QA Type: Division Code: 3858 Requested By: TONY RUSSELL Date Collected: 02/17/2010 Time Collected: 750 Sample Collector: TRUSSELL Delivery Mode: SV Received at Lab by: TAMMY SAWYER Date Received at Lab: 02/17/2010 Time Received at Lab: 0955
Sample ID: AA43454 Location Name: GULF STATE CREOSOTE Location Description: OF-1 Location Code: C0350009 Other No.: OF-1 Permit No.: Discharge No.: Master AI No.: 0 Latitude: Longitude:	

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dimethylphenol	8270	Trace 1.25	µg/L	10.00	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/L	50.00	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/L	10.00	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/L	10.00	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/L	10.00	JSHELL
2-Chlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2-Methylnaphthalene	8270	Trace 1.96	µg/L	10.00	JSHELL
2-Methylphenol	8270	Trace *0.38	µg/L	10.00	JSHELL
2-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
2-Nitrophenol	8270	<MQL	µg/L	20.00	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/L	50.00	JSHELL

3-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/L	50.00	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/L	10.00	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/L	20.00	JSHELL
4-Chloroaniline	8270	<MQL	µg/L	20.00	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/L	10.00	JSHELL
4-Methylphenol	8270	Trace *0.53	µg/L	10.00	JSHELL
4-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
4-Nitrophenol	8270	<MQL	µg/L	50.00	JSHELL
Acenaphthene	8270	Trace 1.14	µg/L	10.00	JSHELL
Acenaphthylene	8270	<MQL	µg/L	10.00	JSHELL
Anthracene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[b]fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/L	20.00	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Benzoic Acid	8270	Trace 6.96	µg/L	50.00	JSHELL
Benzyl alcohol	8270	<MQL	µg/L	20.00	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/L	10.00	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/L	10.00	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/L	10.00	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/L	10.00	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Carbazole	8270	<MQL	µg/L	10.00	JSHELL
Chrysene	8270	<MQL	µg/L	10.00	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/L	20.00	JSHELL
Dibenzofuran	8270	<MQL	µg/L	10.00	JSHELL
Diethylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Dimethylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Fluorene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/L	10.00	JSHELL
Hexachloroethane	8270	<MQL	µg/L	20.00	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/L	20.00	JSHELL
Isophorone	8270	<MQL	µg/L	10.00	JSHELL
Naphthalene	8270	17.7	µg/L	10.00	JSHELL
Nitrobenzene	8270	<MQL	µg/L	10.00	JSHELL

N-Nitrosodi-n-propylamine	8270	<MQL	µg/L	20.00	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/L	20.00	JSHELL
Pentachlorophenol	8270	<MQL	µg/L	50.00	JSHELL
Phenanthrene	8270	<MQL	µg/L	10.00	JSHELL
Phenol	8270	<MQL	µg/L	10.00	JSHELL
Pyrene	8270	<MQL	µg/L	10.00	JSHELL
2,4,6-Tribromophenol	8270	97	%	10-123	JSHELL
2-Fluorobiphenyl	8270	94	%	43-116	JSHELL
2-Fluorophenol	8270	77	%	21-100	JSHELL
Nitrobenzene-d5	8270	90	%	35-114	JSHELL
Phenol-d5	8270	84	%	10-194	JSHELL
Terphenyl-d14	8270	59	%	33-141	JSHELL

ABBREVIATIONS / DEFINITIONS

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

SAMPLE COMMENTS LOCATION NAME: GSC - FILL AREA
REMARKS: LOW LEVEL ANALYSIS
WHERE TAKEN: OUTFALL TO GORDONS CREEK
Semi-Vol:
* These compounds were manually integrated. The instrumental cut off is 1.0 ug/L. JES

Sample Validation Date 02/24/2010

Validated By _____

Date Report Printed 02/24/2010

Kush

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC - Fill Area
County Code Forest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/12/10
Sample Point Identification OP-1
Requested By Tony Russell Data To T Russell
Type of Sample: Grab Composite (Flow) (Time) Other ()

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken outfall to Gordons Creek

Type	Parameters	Preservative	Date	Time
1. <u>Surface Water</u>	<u>Semivolatiles</u>	<u>None</u>	<u>2/12/10</u>	<u>0750</u>
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 Sammy Davis Date 2/17/10 Time 0955
Recorded By _____ Date Sent to State/Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD ₅	(000310)	()	mg/l	_____	*
COD ₅	(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 low level analysis

Data Path : D:\data\10-017\
 Data File : DATA009.D
 Acq On : 22 Feb 2010 7:25 pm
 Operator : J. Shell
 Sample : aa43454
 Misc : 10-019 (water for S-V)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 23 11:46:55 2010
 Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
 Quant Title : Semi-Volatile Analysis
 QLast Update : Tue Feb 23 09:59:13 2010
 Response via : Initial Calibration

2/23/10


Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	11.059	152	859201 ✓	40.00	ug/ml	0.00
16) Naphthalene-d8	14.250	136	3128794 ✓	40.00	ug/ml	-0.02
31) Acenaphthene-d10	18.821	164	1756694 ✓	40.00	ug/ml	-0.01
51) Phenanthrene-d10	22.716	188	3293908 ✓	40.00	ug/ml	-0.01
62) Chrysene-d12	30.243	240	3224344 ✓	40.00	ug/ml	-0.05
70) Perylene-d12	37.822	264	2819698 ✓	40.00	ug/ml	-0.05

System Monitoring Compounds

2) 2-Fluorophenol	7.998	112	2655159	76.73	ug/ml	0.01
Spiked Amount	100.000	Range 21 - 100	Recovery =	76.73%		
3) Phenol-d5	10.248	99	3031928	83.71	ug/ml	0.00
Spiked Amount	100.000	Range 10 - 94	Recovery =	83.71%		
17) Nitrobenzene-d5	12.446	82	1421812	45.02	ug/ml	-0.02
Spiked Amount	50.000	Range 35 - 114	Recovery =	90.04%		
35) 2-Fluorobiphenyl	17.111	172	2611613	47.19	ug/ml	0.00
Spiked Amount	50.000	Range 43 - 116	Recovery =	94.38%		
54) 2,4,6-Tribromophenol	20.895	330	677526	97.13	ug/ml	-0.02
Spiked Amount	100.000	Range 10 - 123	Recovery =	97.13%		
64) Terphenyl-d14	26.953	244	2089616	29.42	ug/ml	-0.02
Spiked Amount	50.000	Range 33 - 141	Recovery =	58.84%		

Target Compounds

Target Compounds	R.T.	QIon	Response	Qvalue
4) Phenol	10.272	94	4754	N.D.
5) bis(2-Chloroethyl) ether	10.478	93	58	N.D.
6) 2-Chlorophenol	10.554	128	227	N.D.
7) 1,3-Dichlorobenzene	0.000	146	0	N.D.
8) 1,4-Dichlorobenzene	0.000	146	0	N.D.
9) Benzyl alcohol	11.482	108	385	N.D.
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.
11) 2-Methylphenol	11.747	108	11553	N.D.
12) bis(2-chloroisopropyl)...	11.829	45	2619	N.D.
13) 4-Methylphenol	12.146	107	19151	N.D.
14) n-Nitroso-di-n-propyla...	12.187	70	5096	N.D.
15) Hexachloroethane	12.105	117	5946	N.D.
18) Nitrobenzene	12.546	77	350	N.D.
19) Isophorone	13.116	82	11809	N.D.

Handwritten notes:
 JCS
 2/23/10
 Manual Integration:
 ← 0.37 ug/ml
 ← 0.51 ug/ml

Data Path : D:\data\10-017\
 Data File : DATA009.D
 Acq On : 22 Feb 2010 7:25 pm
 Operator : J. Shell
 Sample : aa43454
 Misc : 10-019 (water for S-V)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 23 11:46:55 2010
 Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
 Quant Title : Semi-Volatile Analysis
 QLast Update : Tue Feb 23 09:59:13 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 2-Nitrophenol	0.000	139	0		N.D.	
21) 2,4-Dimethylphenol	13.474	122	30462m	1.21	ug/ml	
22) bis(2-Chloroethoxy)met...	13.744	93	354		N.D.	
23) 2,4-Dichlorophenol	0.000	162	0		N.D.	
24) Benzoic Acid	13.703	122	100882m	6.75	ug/ml	
25) 1,2,4-Trichlorobenzene	0.000	180	0		N.D.	
26) Naphthalene	14.303	128	1296042	17.17	ug/ml	98
27) 4-Chloroaniline	0.000	127	0		N.D. d	
28) Hexachlorobutadiene	0.000	225	0		N.D.	
29) 4-Chloro-3-methylphenol	15.766	107	845		N.D.	
30) 2-Methylnaphthalene	16.100	142	102252	1.90	ug/ml	99
32) Hexachlorocyclopentadiene	0.000	237	0		N.D.	
33) 2,4,6-Trichlorophenol	0.000	196	0		N.D.	
34) 2,4,5-Trichlorophenol	0.000	196	0		N.D.	
36) 2-Chloronaphthalene	17.293	162	644		N.D.	
37) 2-Nitroaniline	17.716	65	90		N.D.	
38) Dimethylphthalate	18.192	163	305		N.D.	
39) Acenaphthylene	18.421	152	7033		N.D.	
40) 2,6-Dinitrotoluene	18.327	165	573		N.D.	
41) 3-Nitroaniline	17.552	138	56		N.D.	
42) Acenaphthene	18.897	154	49247	1.11	ug/ml	99
43) 2,4-Dinitrophenol	0.000	184	0		N.D.	
44) 4-Nitrophenol	19.215	109	240		N.D.	
45) Dibenzofuran	19.350	168	42862		N.D.	
46) 2,4-Dinitrotoluene	19.397	165	124		N.D.	
47) Diethylphthalate	20.066	149	8284		N.D.	
48) Fluorene	20.249	166	33301		N.D.	
49) 4-Chlorophenyl-phenyle...	20.302	204	54		N.D.	
50) 4-Nitroaniline	20.443	138	71		N.D.	
52) 4,6-Dinitro-2-methylph...	20.889	198	1932		N.D.	
53) n-Nitrosodiphenylamine	20.666	169	986		N.D.	
55) 4-Bromophenyl-phenylether	0.000	248	0		N.D.	
56) Hexachlorobenzene	0.000	284	0		N.D.	
57) Pentachlorophenol	22.229	266	231		N.D.	
58) Phenanthrene	22.763	178	41831		N.D.	
59) Anthracene	22.898	178	29252		N.D.	
60) Di-n-butylphthalate	24.373	149	44244		N.D.	
61) Fluoranthene	25.877	202	10359		N.D.	
63) Pyrene	26.459	202	8368		N.D.	
65) Butylbenzylphthalate	28.404	149	22525		N.D.	
66) Benzo[a]anthracene	30.214	228	5405		N.D.	
67) 3,3'-Dichlorobenzidine	0.000	252	0		N.D.	

Data Path : D:\data\10-017\
 Data File : DATA009.D
 Acq On : 22 Feb 2010 7:25 pm
 Operator : J. Shell
 Sample : aa43454
 Misc : 10-019 (water for S-V)
 ALS Vial : 9 Sample Multiplier: 1

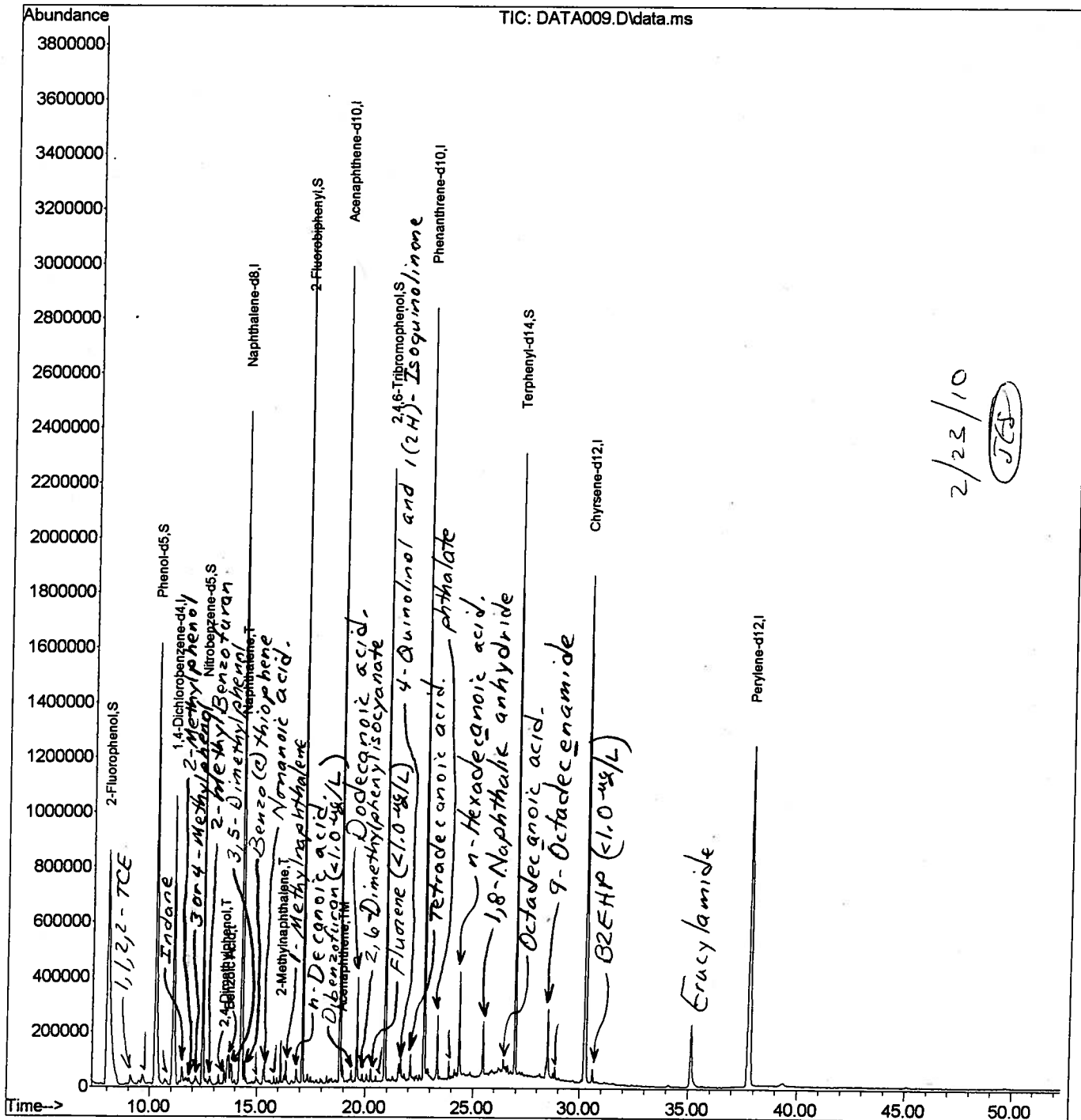
Quant Time: Feb 23 11:46:55 2010
 Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
 Quant Title : Semi-Volatile Analysis
 QLast Update : Tue Feb 23 09:59:13 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Chyrsene	30.214	228	5405			N.D.
69) bis(2-Ethylhexyl)phtha...	30.584	149	48551			N.D.
71) Di-n-octylphthalate	34.039	149	732			N.D.
72) Benzo[b]fluoranthene	35.743	252	277			N.D.
73) Benzo[k]fluoranthene	35.837	252	61			N.D.
74) Benzo[a]pyrene	37.499	252	242			N.D.
75) Indeno[1,2,3-cd]pyrene	44.180	276	112			N.D.
76) Dibenz[a,h]anthracene	0.000	278	0			N.D.
77) Benzo[g,h,i]perylene	0.000	276	0			N.D.

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\data\10-017\
 Data File : DATA009.D
 Acq On : 22 Feb 2010 7:25 pm
 Operator : J. Shell
 Sample : aa43454
 Misc : 10-019 (water for S-V)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 23 11:46:55 2010
 Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
 Quant Title : Semi-Volatile Analysis
 QLast Update : Tue Feb 23 09:59:13 2010
 Response via : Initial Calibration



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

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

Sample Results

To: TONY RUSSELL		Study:	GARD
Sample ID: AA43455		County:	035 FORREST
Location Name: GULF STATE CREOSOTE		Basin:	
Location Description: WP DITCH		QA Type:	
Location Code: C0350009		Division Code:	3858
Other No.: WP DITCH		Requested By:	TONY RUSSELL
Permit No.:		Date Collected:	02/17/2010
Discharge No.:		Time Collected:	805
Master AI No.: 0		Sample Collector:	TRUSSELL
Latitude:		Delivery Mode:	SV
Longitude:		Received at Lab by:	TAMMY SAWYER
		Date Received at Lab:	02/17/2010
		Time Received at Lab:	0955

ANALYTE	METHOD	RESULT	UNITS	SQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2,4-Dimethylphenol	8270	Trace 0.35	µg/L	10.00	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/L	50.00	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/L	10.00	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/L	10.00	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/L	10.00	JSHELL
2-Chlorophenol	8270	<MQL	µg/L	10.00	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/L	10.00	JSHELL
2-Methylphenol	8270	Trace *0.21	µg/L	10.00	JSHELL
2-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
2-Nitrophenol	8270	<MQL	µg/L	20.00	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/L	50.00	JSHELL

3-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/L	50.00	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/L	10.00	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/L	20.00	JSHELL
4-Chloroaniline	8270	<MQL	µg/L	20.00	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/L	10.00	JSHELL
4-Methylphenol	8270	Trace *0.33	µg/L	10.00	JSHELL
4-Nitroaniline	8270	<MQL	µg/L	50.00	JSHELL
4-Nitrophenol	8270	<MQL	µg/L	50.00	JSHELL
Acenaphthene	8270	<MQL	µg/L	10.00	JSHELL
Acenaphthylene	8270	<MQL	µg/L	10.00	JSHELL
Anthracene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[b]fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/L	20.00	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Benzoic Acid	8270	Trace 5.03	µg/L	50.00	JSHELL
Benzyl alcohol	8270	<MQL	µg/L	20.00	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/L	10.00	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/L	10.00	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/L	10.00	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/L	10.00	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Carbazole	8270	<MQL	µg/L	10.00	JSHELL
Chrysene	8270	<MQL	µg/L	10.00	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/L	20.00	JSHELL
Dibenzofuran	8270	<MQL	µg/L	10.00	JSHELL
Diethylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Dimethylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/L	10.00	JSHELL
Fluoranthene	8270	<MQL	µg/L	10.00	JSHELL
Fluorene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorobenzene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/L	10.00	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/L	10.00	JSHELL
Hexachloroethane	8270	<MQL	µg/L	20.00	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/L	20.00	JSHELL
Isophorone	8270	<MQL	µg/L	10.00	JSHELL
Naphthalene	8270	Trace 1.04	µg/L	10.00	JSHELL
Nitrobenzene	8270	<MQL	µg/L	10.00	JSHELL

N-Nitroso-di-n-propylamine	8270	<MQL	µg/L	20.00	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/L	20.00	JSHELL
Pentachlorophenol	8270	<MQL	µg/L	50.00	JSHELL
Phenanthrene	8270	<MQL	µg/L	10.00	JSHELL
Phenol	8270	<MQL	µg/L	10.00	JSHELL
Pyrene	8270	<MQL	µg/L	10.00	JSHELL
2,4,6-Tribromophenol	8270	97	%	10-123	JSHELL
2-Fluorobiphenyl	8270	96	%	43-116	JSHELL
2-Fluorophenol	8270	78	%	21-100	JSHELL
Nitrobenzene-d5	8270	92	%	35-114	JSHELL
Phenol-d5	8270	85	%	10-194	JSHELL
Terphenyl-d14	8270	63	%	33-141	JSHELL

ABBREVIATIONS / DEFINITIONS

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

SAMPLE COMMENTS

LOCATION NAME: GSC - FILL AREA
REMARKS: LOW LEVEL ANALYSIS
WHERE TAKEN: WEST PINE DITCH
Semi-Vol:
* These compounds were manually integrated. The instrumental cut off is 1.0 ug/L. JES

Sample Validation Date 02/24/2010

Validated By _____

Date Report Printed 02/24/2010

Data Path : D:\data\10-017\
 Data File : DATA010.D
 Acq On : 22 Feb 2010 8:32 pm
 Operator : J. Shell
 Sample : aa43455
 Misc : 10-019 (water for S-V)
 ALS Vial : 10 Sample Multiplier: 1

2/23/10
 JCS

Quant Time: Feb 23 12:35:21 2010
 Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
 Quant Title : Semi-Volatile Analysis
 QLast Update : Tue Feb 23 09:59:13 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	11.059	152	856581 ✓	40.00	ug/ml	0.00
16) Naphthalene-d8	14.250	136	3133039 ✓	40.00	ug/ml	-0.02
31) Acenaphthene-d10	18.821	164	1749757 ✓	40.00	ug/ml	-0.01
51) Phenanthrene-d10	22.711	188	3291226 ✓	40.00	ug/ml	-0.02
62) Chrysene-d12	30.237	240	3179006 ✓	40.00	ug/ml	-0.05
70) Perylene-d12	37.811	264	2789409 ✓	40.00	ug/ml	-0.06

System Monitoring Compounds

2) 2-Fluorophenol	7.998	112	2681606	77.73	ug/ml	0.01
Spiked Amount	100.000	Range 21 - 100	Recovery =	77.73%		
3) Phenol-d5	10.243	99	3075991	85.19	ug/ml	0.00
Spiked Amount	100.000	Range 10 - 94	Recovery =	85.19%		
17) Nitrobenzene-d5	12.446	82	1450440	45.87	ug/ml	-0.02
Spiked Amount	50.000	Range 35 - 114	Recovery =	91.74%		
35) 2-Fluorobiphenyl	17.105	172	2651544	48.11	ug/ml	-0.01
Spiked Amount	50.000	Range 43 - 116	Recovery =	96.22%		
54) 2,4,6-Tribromophenol	20.895	330	679483	97.49	ug/ml	-0.02
Spiked Amount	100.000	Range 10 - 123	Recovery =	97.49%		
64) Terphenyl-d14	26.959	244	2216402	31.66	ug/ml	-0.01
Spiked Amount	50.000	Range 33 - 141	Recovery =	63.32%		

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Phenol	10.272	94	5784	N.D.		2/23/10 JCS
5) bis(2-Chloroethyl) ether	10.360	93	124	N.D.		
6) 2-Chlorophenol	10.536	128	110	N.D.		
7) 1,3-Dichlorobenzene	0.000	146	0	N.D.		
8) 1,4-Dichlorobenzene	0.000	146	0	N.D.		Manual Integration
9) Benzyl alcohol	11.500	108	280	N.D.		
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.		← 0.20 ug/ml
11) 2-Methylphenol	11.741	108	6102	N.D.		
12) bis(2-chloroisopropyl)...	11.805	45	276	N.D.		
13) 4-Methylphenol	12.146	107	12103	N.D.		← 0.32 ug/ml
14) n-Nitroso-di-n-propyla...	12.140	70	198	N.D.		
15) Hexachloroethane	12.446	117	304	N.D.		
18) Nitrobenzene	12.452	77	5586	N.D.		
19) Isophorone	13.122	82	10413	N.D.		

Data Path : D:\data\10-017\
 Data File : DATA010.D
 Acq On : 22 Feb 2010 8:32 pm
 Operator : J. Shell
 Sample : aa43455
 Misc : 10-019 (water for S-V)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 23 12:35:21 2010
 Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
 Quant Title : Semi-Volatile Analysis
 QLast Update : Tue Feb 23 09:59:13 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
20) 2-Nitrophenol	0.000	139	0	N.D.		Manual Integration
21) 2,4-Dimethylphenol	13.509	122	8679	N.D.		→ 0.34 ug/ml
22) bis(2-Chloroethoxy)met...	13.739	93	58	N.D.		
23) 2,4-Dichlorophenol	0.000	162	0	N.D.		2/23/10
24) Benzoic Acid	13.680	122	73041m	4.88	ug/ml	(JCS)
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.		
26) Naphthalene	14.297	128	76341	1.01	ug/ml	99
27) 4-Chloroaniline	14.661	127	606	N.D.		
28) Hexachlorobutadiene	0.000	225	0	N.D.		
29) 4-Chloro-3-methylphenol	15.760	107	196	N.D.		
30) 2-Methylnaphthalene	16.101	142	3041	N.D.		
32) Hexachlorocyclopentadiene	0.000	237	0	N.D.		
33) 2,4,6-Trichlorophenol	0.000	196	0	N.D.		
34) 2,4,5-Trichlorophenol	0.000	196	0	N.D.		
36) 2-Chloronaphthalene	17.281	162	271	N.D.		
37) 2-Nitroaniline	17.681	65	116	N.D.		
38) Dimethylphthalate	18.192	163	130	N.D.		
39) Acenaphthylene	18.439	152	2099	N.D.		
40) 2,6-Dinitrotoluene	18.333	165	455	N.D.		
41) 3-Nitroaniline	18.034	138	53	N.D.		
42) Acenaphthene	18.897	154	2706	N.D.		
43) 2,4-Dinitrophenol	0.000	184	0	N.D.		
44) 4-Nitrophenol	19.279	109	1074	N.D.		
45) Dibenzofuran	19.350	168	1964	N.D.		
46) 2,4-Dinitrotoluene	19.649	165	326	N.D.		
47) Diethylphthalate	20.072	149	6751	N.D.		
48) Fluorene	20.243	166	1769	N.D.		
49) 4-Chlorophenyl-phenyle...	0.000	204	0	N.D.		
50) 4-Nitroaniline	20.419	138	66	N.D.		
52) 4,6-Dinitro-2-methylph...	20.895	198	2221	N.D.		
53) n-Nitrosodiphenylamine	20.889	169	27165	N.D.		
55) 4-Bromophenyl-phenylether	0.000	248	0	N.D.		
56) Hexachlorobenzene	0.000	284	0	N.D.		
57) Pentachlorophenol	22.223	266	54	N.D.		
58) Phenanthrene	22.758	178	1798	N.D.		
59) Anthracene	22.893	178	16449	N.D.		
60) Di-n-butylphthalate	24.373	149	36871	N.D.		
61) Fluoranthene	25.866	202	3148	N.D.		
63) Pyrene	26.453	202	3308	N.D.		
65) Butylbenzylphthalate	28.398	149	23397	N.D.		
66) Benzo[a]anthracene	30.225	228	5066	N.D.		
67) 3,3'-Dichlorobenzidine	0.000	252	0	N.D.		

Data Path : D:\data\10-017\
 Data File : DATA010.D
 Acq On : 22 Feb 2010 8:32 pm
 Operator : J. Shell
 Sample : aa43455
 Misc : 10-019 (water for S-V)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 23 12:35:21 2010
 Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
 Quant Title : Semi-Volatile Analysis
 QLast Update : Tue Feb 23 09:59:13 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
68) Chyrsene	30.225	228	5066			N.D.
69) bis(2-Ethylhexyl)phtha...	30.584	149	39766			N.D.
71) Di-n-octylphthalate	33.997	149	200			N.D.
72) Benzo[b]fluoranthene	35.707	252	220			N.D.
73) Benzo[k]fluoranthene	35.813	252	54			N.D.
74) Benzo[a]pyrene	37.188	252	327			N.D.
75) Indeno[1,2,3-cd]pyrene	0.000	276	0			N.D.
76) Dibenz[a,h]anthracene	0.000	278	0			N.D.
77) Benzo[g,h,i]perylene	45.972	276	53			N.D.

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\data\10-017\
 Data File : DATA010.D
 Acq On : 22 Feb 2010 8:32 pm
 Operator : J. Shell
 Sample : aa43455
 Misc : 10-019 (water for S-V)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 23 12:35:21 2010
 Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
 Quant Title : Semi-Volatile Analysis
 QLast Update : Tue Feb 23 09:59:13 2010
 Response via : Initial Calibration

