STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

April 5, 2010

Honorable Johnny L. DuPree, Mayor
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

Dear Mayor DuPree:

When I wrote you on February 25, I told you that we would be sending you the data from the sampling conducted on January 26, 2010, and February 10, 2010, in Gordon's Creek, near the fill area at the Gulf States Creosote site. The data from that sampling is enclosed for your information. The Mississippi Department of Environmental Quality's review of the data indicates there is no risk to human health or the environment.

The three surface water samples taken on January 26, 2010 - Sample FA-SW-1 (ID AA43254), Sample FA-SW-2 (ID AA43255), and FA-SW-3 (ID 43256) - show no contamination present in Gordon's Creek around the fill area at the Gulf States Creosote site.

On February 10, 2010, MDEQ staff took three surface water samples and three sediment samples from Gordon's Creek. The sample locations are designated with an asterisk in the attached figure. Samples SW-1 (ID AA43410) and SD-1 (ID AA43413) were taken immediately downstream of the fill area; Samples SW-2 (ID AA43411) and SD-2 (ID AA43414) were taken near the sewer line crossing at the fill area; and Samples SW-3 (ID AA43412) and SD-3 (ID AA43415) were taken just upstream of the fill area. In addition, a surface water sample was taken at the end of the ditch on Pine Street where the ditch flows through the fill area (Sample WP-Ditch) (ID AA43455) and at the discharge of the ditch into Gordon's Creek (OF-1) (ID AA43454).

Samples WP-Ditch and OF-1 indicated the presence of several compounds at very low concentrations, some which are associated with creosote (2-methyl naphthalene, naphthalene, and acenapthene) and some which are not typically associated with creosote (2,4-dimethyl phenol, 2-methyl phenol, 4-methyl phenol, and benzoic acid. However, all of the constituents detected were below EPA surface water quality criteria levels. The data do not indicate any risk to human health or the environment.

OFFICE OF POLLUTION CONTROL
POST OFFICE BOX 2261 • JACKSON, MISSISSIPPI 39225-2261• TEL: (601) 961-5171 • FAX: (601) 354-6612 • www.deq.state.ms.us
AN EQUAL OPPORTUNITY EMPLOYER

Sediment sample SD-2, taken near the sewer line that crosses Gordon's Creek, indicates the presence of constituents consistent with creosote. Sample SD-3 indicates the presence of three constituents commonly found in creosote. All were below levels of concern. The surface water samples taken on January 26, 2010, and February 10, 2010, from the same locations were non-detect for creosote compounds which indicates there is no leaching of contaminants from the sediments.

The staff has reviewed all of this data in conjunction with the Human Health Risk Assessment for the Gulf States Creosote site and has concluded that the contaminant levels found to be present do not pose a risk to human health or the environment.

Creosote is a product that consists of a mixture of chemicals, and laboratory analyses target specific individual chemicals within this mixture, such as polynuclear aromatic hydrocarbons (PAHs). PAHs are formed by the heating or burning organic material such as wood, petroleum, coal and charcoal. They are also found in a variety of products such as asphalt and asphalt sealers. Due to the widespread use of these products and the ease of formation of PAHs, it is not uncommon to find them in the environment.

As part of our investigation of the staining on the concrete at the Gulf States Creosote site near Gordon's Creek in Hattiesburg, MDEQ sampled water from inside and outside two wells (RW-2 and RW-14)(IDs AA43416, AA43417, AA43418, AA43419). There were high levels of iron associated with both wells, and in both cases iron concentrations were higher outside the wells than inside. These higher levels are likely caused by the water picking up additional iron as it seeps out around the metal well cover, and/or the sample collected from outside samples may have included some of the iron oxide precipitate which is deposited when iron-rich waters are exposed to oxygen. In either case, conditions around these wells are ideal for the formation of iron oxide deposits (rust) and for the growth of iron bacteria (surface film).

The photos of the seepage from wells RW-2 and RW-14, which were submitted last month, show that the sheen or film on the seepage water from the wells breaks up into distinct flakes or clumps when disturbed, indicating that it is a bacterial film as opposed to petroleum based sheen. Based on these results and the photos, it is apparent that both the staining and the sheen (surface film) are the result of high iron concentrations in water.

Iron is an essential dietary component for most plants and animals including humans and is generally considered to be non-toxic or of low toxicity. However, EPA does have a Secondary Water Quality Standard for Drinking Water of 300 ug/l based on taste rather than toxicity.

In response to e-mail comments received from Mr. Steve Irving about the Groundwater Monitoring Report from Tronox, we want to clarify that these analyses were performed by a contract lab hired by Tronox. His first comment is about dilution factors used in the analysis of samples from MW-2R and 6. Dilution factors are commonly used in EPA approved test methods to insure that the measured concentration falls within the established calibration curve. These dilution factors are included in the calculations, so the reported values for napthalene should be accurate.

The second concern of Mr. Irving is that because methylene chloride was used, the sample may have been analyzed further, possibly by GCMS. These samples were analyzed for polynuclear aromatic hydrocarbons (PAHs) by Method 8310 which uses High Performance Liquid Chromatography (HPLC), and thus were prepared by Method 3510C which required extraction with methylene chloride. Analysis by HPLC does not allow a library search for non-target compounds, and to our knowledge no GCMS analyses were performed on these samples.

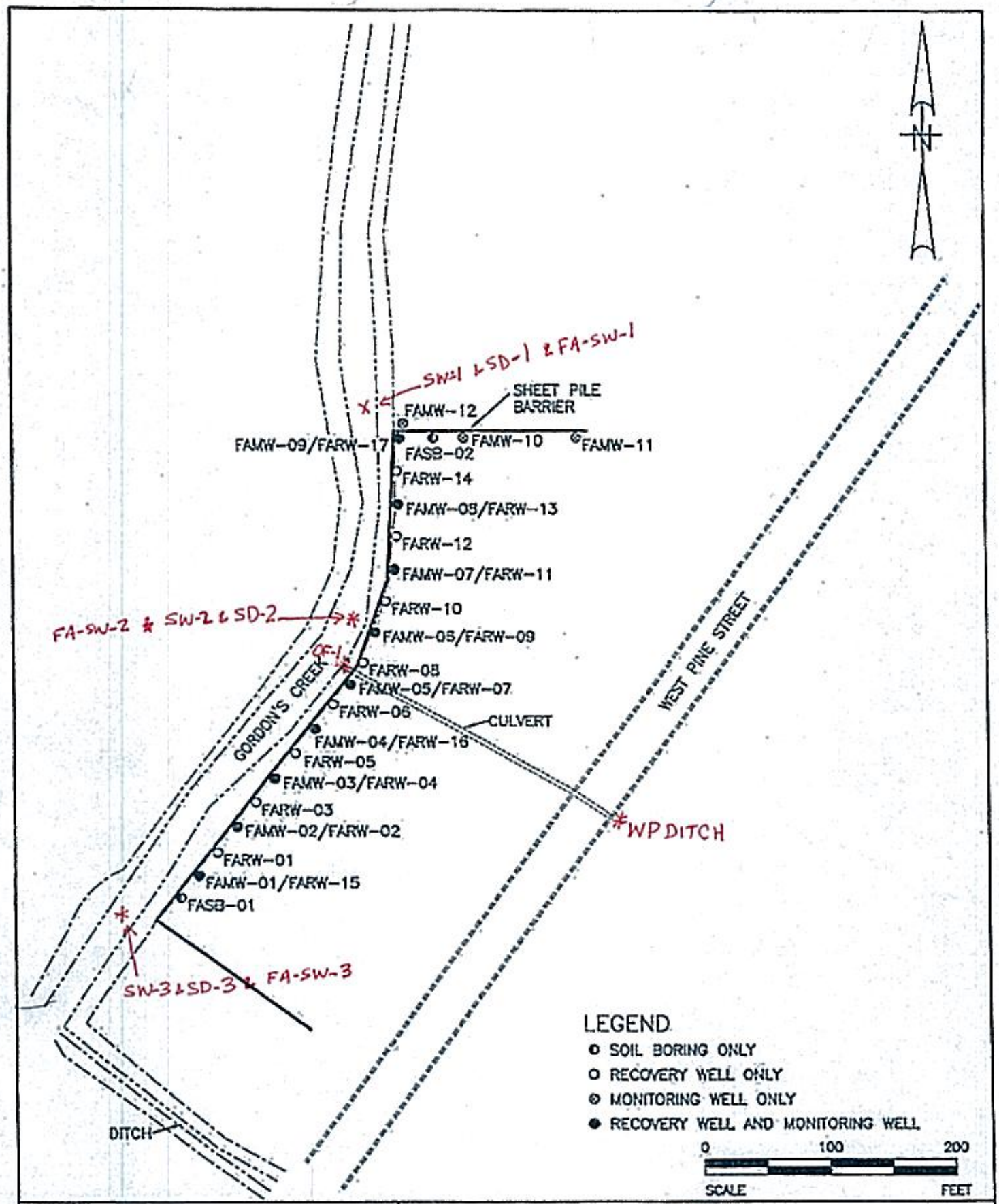
MDEQ is committed to transparency and will continue to share information with you. If you have further questions or I may be of further assistance, please let me know.

Sincerely,

Jerry W. Cain, P.E., DEE
Director, Office of Pollution Control

cc: Trudy Fisher, MDEQ
Franklin Hill, EPA
Jerry Banks, MDEQ
Gloria Tatum, MDEQ
Mr. Sherri Jones, FCEST

enclosures



MICHAEL PISANI & ASSOCIATES
Environmental Management and Engineering Services
New Orleans, Louisiana Houston, Texas

SCALE: 1"=100' | DWG. NO.: 21-04/322A

FIGURE 1
RECOVERY WELL AND MONITORING WELL LOCATIONS
FILL AREA
FORMER GULF STATES CREOSOTING SITE
HATTIESBURG, MISSISSIPPI

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

Sample ID:	AA43410
Location Name:	GULF STATE CREOSOTE
Location Description:	SW-1
Location Code:	C0350009
Other No.:	SW-1
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	755
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

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	91	%	10-123	JSHELL
2-Fluorobiphenyl	8270	93	%	43-116	JSHELL
2-Fluorophenol	8270	74	%	21-100	JSHELL
Nitrobenzene-d5	8270	87	%	35-114	JSHELL
Phenol-d5	8270	81	%	10-194	JSHELL
Terphenyl-d14	8270	67	%	33-141	JSHELL

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

LOCATION NAME: GSC - GORDONS CREEK
WHERE TAKEN: LOCATION ONE DOWN GRADIENT OF WALL
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC - Gordons Creek
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification SW-1
Requested By Tony Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By K. Whitten
Where Taken Location #1 - Downgradient of pond

	Type	Parameters	Preservative	Date	Time
1.	Surface water	Semi volatiles	None	2/10/10	0755
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)	( )			

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

V. LABORATORY: Received By Tommy Daniel Date 2/11/10 Time 1215
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 Low level analysis

*Date of Test Initiation 3858

43410

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA006.D
Acq On : 22 Feb 2010 4:05 pm
Operator : J. Shell
Sample : aa43410
Misc : 10-017 (water for S-V)
ALS Vial : 6 Sample Multiplier: 1

2/23/10 JKS

Quant Time: Feb 23 10:54:21 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	833353	40.00	ug/ml	0.00
16) Naphthalene-d8	14.250	136	3066784	40.00	ug/ml	-0.02
31) Acenaphthene-d10	18.821	164	1711959	40.00	ug/ml	-0.01
51) Phenanthrene-d10	22.717	188	3218379	40.00	ug/ml	-0.01
62) Chyrsene-d12	30.243	240	3106282	40.00	ug/ml	-0.05
70) Perylene-d12	37.823	264	2704827	40.00	ug/ml	-0.05
System Monitoring Compounds						
2) 2-Fluorophenol	7.992	112	2496469	74.38	ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 74.38%			
3) Phenol-d5	10.249	99	2840313	80.85	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 80.85%			
17) Nitrobenzene-d5	12.446	82	1346986	43.52	ug/ml	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery = 87.04%			
35) 2-Fluorobiphenyl	17.105	172	2505653	46.46	ug/ml	-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 92.92%			
54) 2,4,6-Tribromophenol	20.895	330	618686	90.78	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 90.78%			
64) Terphenyl-d14	26.959	244	2278038	33.30	ug/ml	-0.01
Spiked Amount 50.000	Range 33 - 141		Recovery = 66.60%			

Target Compounds				Qvalue
4) Phenol	10.266	94	4210	N.D.
5) bis(2-Chloroethyl)ether	10.495	93	122	N.D.
6) 2-Chlorophenol	10.572	128	389	N.D.
7) 1,3-Dichlorobenzene	11.077	146	117	N.D.
8) 1,4-Dichlorobenzene	11.077	146	117	N.D.
9) Benzyl alcohol	11.471	108	1970	N.D.
10) 1,2-Dichlorobenzene	11.106	146	75	N.D.
11) 2-Methylphenol	11.741	108	401	N.D.
12) bis(2-chloroisopropyl)...	11.847	45	163	N.D.
13) 4-Methylphenol	12.152	107	10369	N.D.
14) n-Nitroso-di-n-propyla...	12.164	70	6862	N.D.
15) Hexachloroethane	12.546	117	57	N.D.
18) Nitrobenzene	12.446	77	5587	N.D.
19) Isophorone	13.116	82	11691	N.D.

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA006.D
Acq On : 22 Feb 2010 4:05 pm
Operator : J. Shell
Sample : aa43410
Misc : 10-017 (water for S-V)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 10:54:21 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	13.139	139	56	N.D.	
21) 2,4-Dimethylphenol	13.492	122	10543	N.D.	
22) bis(2-Chloroethoxy)met...	13.733	93	255	N.D.	
23) 2,4-Dichlorophenol	13.909	162	134	N.D.	
24) Benzoic Acid	13.821	122	8486	N.D.	
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.	
26) Naphthalene	14.303	128	25784	N.D.	
27) 4-Chloroaniline	14.655	127	267	N.D.	
28) Hexachlorobutadiene	0.000	225	0	N.D.	
29) 4-Chloro-3-methylphenol	15.772	107	92	N.D.	
30) 2-Methylnaphthalene	16.107	142	1958	N.D.	
32) Hexachlorocyclopentadiene	0.000	237	0	N.D.	
33) 2,4,6-Trichlorophenol	16.859	196	134	N.D.	
34) 2,4,5-Trichlorophenol	16.941	196	145	N.D.	
36) 2-Chloronaphthalene	17.276	162	392	N.D.	
37) 2-Nitroaniline	17.693	65	347	N.D.	
38) Dimethylphthalate	18.204	163	189	N.D.	
39) Acenaphthylene	18.439	152	434	N.D.	
40) 2,6-Dinitrotoluene	18.463	165	53	N.D.	
41) 3-Nitroaniline	17.899	138	77	N.D.	
42) Acenaphthene	18.897	154	1722	N.D.	
43) 2,4-Dinitrophenol	0.000	184	0	N.D.	
44) 4-Nitrophenol	19.268	109	272	N.D.	
45) Dibenzofuran	19.362	168	1312	N.D.	
46) 2,4-Dinitrotoluene	19.485	165	75	N.D.	
47) Diethylphthalate	20.067	149	22857	N.D.	
48) Fluorene	20.249	166	1194	N.D.	
49) 4-Chlorophenyl-phenyle...	0.000	204	0	N.D.	
50) 4-Nitroaniline	20.443	138	142	N.D.	
52) 4,6-Dinitro-2-methylph...	20.889	198	1840	N.D.	
53) n-Nitrosodiphenylamine	20.895	169	24231	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	259	N.D.	
58) Phenanthrene	22.775	178	2094	N.D.	
59) Anthracene	22.893	178	1041	N.D.	
60) Di-n-butylphthalate	24.373	149	87175	N.D.	
61) Fluoranthene	25.883	202	1399	N.D.	
63) Pyrene	26.459	202	1077	N.D.	
65) Butylbenzylphthalate	28.410	149	17964	N.D.	
66) Benzo[a]anthracene	30.243	228	8742	N.D.	
67) 3,3'-Dichlorobenzidine	0.000	252	0	N.D.	

Quantitation Report (QT Reviewed)

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ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 10:54:21 2010
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Quant Title : Semi-Volatile Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chyrsene	30.243	228	8742	N.D.	
69) bis(2-Ethylhexyl)phtha...	30.584	149	36330	N.D.	
71) Di-n-octylphthalate	34.092	149	319	N.D.	
72) Benzo[b]fluoranthene	35.684	252	119	N.D.	
73) Benzo[k]fluoranthene	35.684	252	119	N.D.	
74) Benzo[a]pyrene	37.811	252	10776	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	0.000	276	0	N.D.	

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

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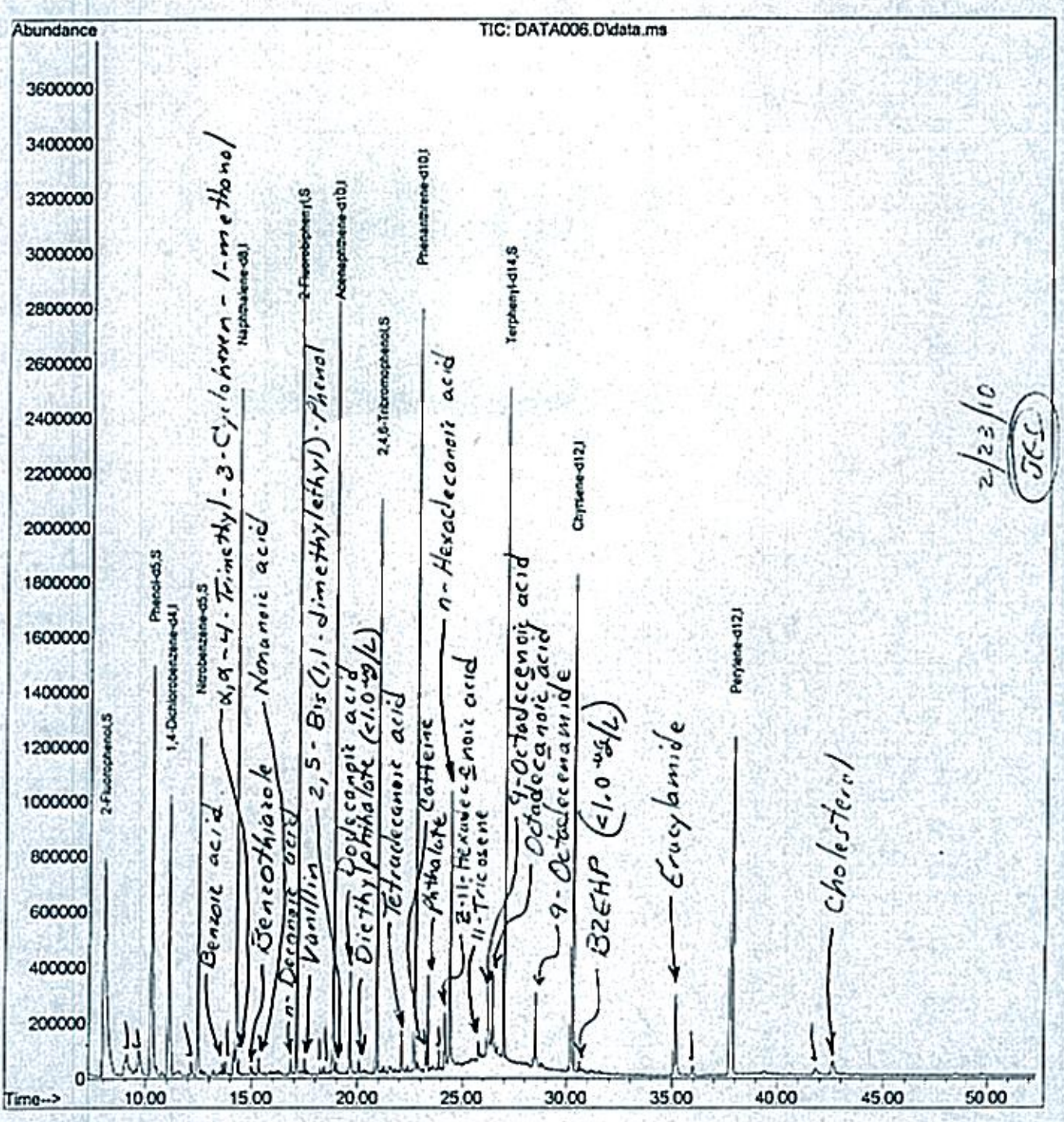
QLast Update : Tue Feb 23 09:59:13 2010
Response via : Initial Calibration



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

Sample ID:	AA43411
Location Name:	GULF STATE CREOSOTE
Location Description:	SW-2
Location Code:	C0350009
Other No.:	SW-2
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	803
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

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	Trace 1.22	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	88	%	10-123	JSHELL
2-Fluorobiphenyl	8270	93	%	43-116	JSHELL
2-Fluorophenol	8270	74	%	21-100	JSHELL
Nitrobenzene-d5	8270	88	%	35-114	JSHELL
Phenol-d5	8270	80	%	10-194	JSHELL
Terphenyl-d14	8270	64	%	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 - GORDONS CREEK
WHERE TAKEN: LOCATION TWO ALONG WALL
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC - Gordons Creek
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification SW-2
Requested By Tony Rushell Data To T Rushell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By K. Whitten
Where Taken location #2 stony wall

	Type	Parameters	Preservative	Date	Time
1.	Surface Water	Semivolatiles	None	2/10/10	0803
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 Thomas Date 2/11/10 Time 1215
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 Low level analysis

*Date of Test Initiation

3858

43411

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA007.D
Acq On : 22 Feb 2010 5:12 pm
Operator : J. Shell
Sample : aa43411
Misc : 10-017 (water for S-V)
ALS Vial : 7 Sample Multiplier: 1

2/23/10 JS

Quant Time: Feb 23 11:07:13 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	875771	40.00	ug/ml	0.00
16) Naphthalene-d8	14.250	136	3188344	40.00	ug/ml	-0.02
31) Acenaphthene-d10	18.821	164	1790083	40.00	ug/ml	-0.01
51) Phenanthrene-d10	22.711	188	3375012	40.00	ug/ml	-0.02
62) Chyrsene-d12	30.243	240	3298734	40.00	ug/ml	-0.05
70) Perylene-d12	37.817	264	2870861	40.00	ug/ml	-0.06
System Monitoring Compounds						
2) 2-Fluorophenol	7.998	112	2595964m	73.60	ug/ml	0.01
Spiked Amount 100.000	Range 21 - 100		Recovery = 73.60%			
3) Phenol-d5	10.249	99	2965414	80.32	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 80.32%			
17) Nitrobenzene-d5	12.446	82	1417346	44.04	ug/ml	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery = 88.08%			
35) 2-Fluorobiphenyl	17.105	172	2620076	46.46	ug/ml	-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 92.92%			
54) 2,4,6-Tribromophenol	20.895	330	628280	87.91	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 87.91%			
64) Terphenyl-d14	26.959	244	2323021	31.97	ug/ml	-0.01
Spiked Amount 50.000	Range 33 - 141		Recovery = 63.94%			
Target Compounds						Qvalue
4) Phenol	10.266	94	5602	N.D.		
5) bis(2-Chloroethyl)ether	10.472	93	59	N.D.		
6) 2-Chlorophenol	10.495	128	194	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	11.471	108	2166	N.D.		
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.		
11) 2-Methylphenol	11.764	108	124	N.D.		
12) bis(2-chloroisopropyl)...	11.811	45	336	N.D.		
13) 4-Methylphenol	12.152	107	6865	N.D.		
14) n-Nitroso-di-n-propyla...	0.000	70	0	N.D.	d	
15) Hexachloroethane	12.517	117	71	N.D.		
18) Nitrobenzene	12.440	77	6435	N.D.		
19) Isophorone	13.122	82	16518	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA007.D
Acq On : 22 Feb 2010 5:12 pm
Operator : J. Shell
Sample : aa43411
Misc : 10-017 (water for S-V)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 11:07:13 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	13.145	139	76	N.D.	
21) 2,4-Dimethylphenol	13.498	122	5757	N.D.	
22) bis(2-Chloroethoxy)met...	13.750	93	86	N.D.	
23) 2,4-Dichlorophenol	13.950	162	57	N.D.	
24) Benzoic Acid	13.833	122	4778	N.D.	
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.	
26) Naphthalene	14.303	128	14111	N.D.	
27) 4-Chloroaniline	14.655	127	345	N.D.	
28) Hexachlorobutadiene	0.000	225	0	N.D.	
29) 4-Chloro-3-methylphenol	15.807	107	646	N.D.	
30) 2-Methylnaphthalene	16.107	142	1181	N.D.	
32) Hexachlorocyclopentadiene	0.000	237	0	N.D.	
33) 2,4,6-Trichlorophenol	16.864	196	77	N.D.	
34) 2,4,5-Trichlorophenol	16.864	196	77	N.D.	
36) 2-Chloronaphthalene	17.287	162	442	N.D.	
37) 2-Nitroaniline	17.711	65	673	N.D.	
38) Dimethylphthalate	18.204	163	249	N.D.	
39) Acenaphthylene	18.421	152	449	N.D.	
40) 2,6-Dinitrotoluene	18.316	165	1585	N.D.	
41) 3-Nitroaniline	17.899	138	127	N.D.	
42) Acenaphthene	18.892	154	1098	N.D.	
43) 2,4-Dinitrophenol	0.000	184	0	N.D.	
44) 4-Nitrophenol	19.279	109	523	N.D.	
45) Dibenzofuran	19.350	168	897	N.D.	
46) 2,4-Dinitrotoluene	19.414	165	115	N.D.	
47) Diethylphthalate	20.067	149	31710	N.D.	
48) Fluorene	20.255	166	1021	N.D.	
49) 4-Chlorophenyl-phenyle...	0.000	204	0	N.D.	
50) 4-Nitroaniline	20.460	138	608	N.D.	
52) 4,6-Dinitro-2-methylph...	20.889	198	1895	N.D.	
53) n-Nitrosodiphenylamine	20.889	169	24338	N.D.	
55) 4-Bromophenyl-phenylether	0.000	248	0	N.D.	
56) Hexachlorobenzene	0.000	284	0	N.D.	
57) Pentachlorophenol	22.235	266	131	N.D.	
58) Phenanthrene	22.769	178	1578	N.D.	
59) Anthracene	22.893	178	958	N.D.	
60) Di-n-butylphthalate	24.373	149	115242	1.15 ug/ml	99
61) Fluoranthene	25.878	202	1752	N.D.	
63) Pyrene	26.465	202	1739	N.D.	
65) Butylbenzylphthalate	28.410	149	21060	N.D.	
66) Benzo[a]anthracene	30.249	228	9536	N.D.	
67) 3,3'-Dichlorobenzidine	0.000	252	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA007.D
Acq On : 22 Feb 2010 5:12 pm
Operator : J. Shell
Sample : aa43411
Misc : 10-017 (water for S-V)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 11:07:13 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

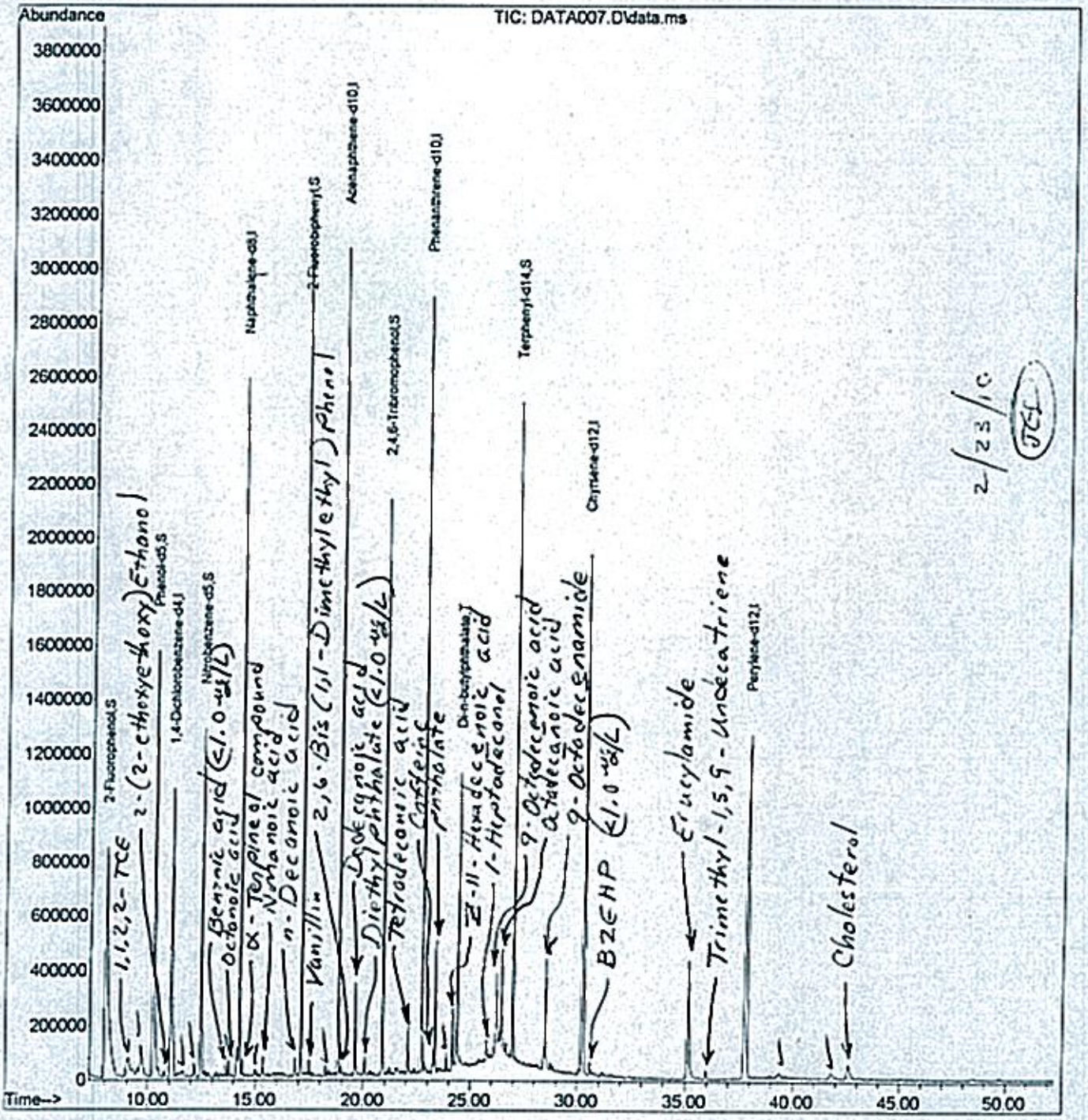
Internal Standards	R.T.	QIon	Response	Conc Units Dev(Min)
68) Chyrsene	30.249	228	9536	N.D.
69) bis(2-Ethylhexyl)phtha...	30.590	149	46038	N.D.
71) Di-n-octylphthalate	33.998	149	490	N.D.
72) Benzo[b]fluoranthene	35.725	252	53	N.D.
73) Benzo[k]fluoranthene	35.725	252	53	N.D.
74) Benzo[a]pyrene	37.805	252	6881	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	0.000	276	0	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA007.D
Acq On : 22 Feb 2010 5:12 pm
Operator : J. Shell
Sample : aa43411
Misc : 10-017 (water for S-V)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 11:07:13 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 JCS

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

Sample ID:	AA43412
Location Name:	GULF STATE CREOSOTE
Location Description:	SW-3
Location Code:	C0350009
Other No.:	SW-3
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	810
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

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	94	%	10-123	JSHELL
2-Fluorobiphenyl	8270	95	%	43-116	JSHELL
2-Fluorophenol	8270	76	%	21-100	JSHELL
Nitrobenzene-d5	8270	88	%	35-114	JSHELL
Phenol-d5	8270	83	%	10-194	JSHELL
Terphenyl-d14	8270	65	%	33-141	JSHELL

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

LOCATION NAME: GSC - GORDONS CREEK
WHERE TAKEN: LOCATION THREE UP GRADIENT OF WALL
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC - Gordons Creek
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification SW-3
Requested By Tony Russell Data To T. Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By K. Whitten
Where Taken Location #3 - upgradient of wall

	Type	Parameters	Preservative	Date	Time
1.	Surface Water	Semivolatiles	None	2/10/10	0810
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 Jamy Rouse Date 2/11/10 Time 1215
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 Low level analysis

*Date of Test Initiation

38958

43412

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA008.D
Acq On : 22 Feb 2010 6:19 pm
Operator : J. Shell
Sample : aa43412
Misc : 10-017 (water for S-V)
ALS Vial : 8 Sample Multiplier: 1

2/23/10 JCS

Quant Time: Feb 23 11:23:28 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	828000	40.00	ug/ml	0.00
16) Naphthalene-d8	14.250	136	3055487	40.00	ug/ml	-0.02
31) Acenaphthene-d10	18.821	164	1693535	40.00	ug/ml	-0.01
51) Phenanthrene-d10	22.711	188	3180643	40.00	ug/ml	-0.02
62) Chyrsene-d12	30.237	240	3107954	40.00	ug/ml	-0.05
70) Perylene-d12	37.811	264	2714011	40.00	ug/ml	-0.06
System Monitoring Compounds						
2) 2-Fluorophenol	7.987	112	2519938	75.56	ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 75.56%			
3) Phenol-d5	10.243	99	2894306	82.92	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 82.92%			
17) Nitrobenzene-d5	12.446	82	1361177	44.14	ug/ml	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery = 88.28%			
35) 2-Fluorobiphenyl	17.105	172	2536363	47.54	ug/ml	-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 95.08%			
54) 2,4,6-Tribromophenol	20.895	330	631092	93.70	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 93.70%			
64) Terphenyl-d14	26.953	244	2233233	32.62	ug/ml	-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 65.24%			
Target Compounds						Qvalue
4) Phenol	10.296	94	5193	N.D.		
5) bis(2-Chloroethyl)ether	10.507	93	55	N.D.		
6) 2-Chlorophenol	10.531	128	910	N.D.		
7) 1,3-Dichlorobenzene	11.089	146	123	N.D.		
8) 1,4-Dichlorobenzene	11.089	146	123	N.D.		
9) Benzyl alcohol	11.453	108	1094	N.D.		
10) 1,2-Dichlorobenzene	11.112	146	55	N.D.		
11) 2-Methylphenol	12.152	108	10765	N.D.		
12) bis(2-chloroisopropyl)...	11.935	45	435	N.D.		
13) 4-Methylphenol	12.146	107	11099	N.D.		
14) n-Nitroso-di-n-propyla...	12.158	70	6632	N.D.		
15) Hexachloroethane	12.470	117	64	N.D.		
18) Nitrobenzene	12.158	77	5496	N.D.		
19) Isophorone	13.116	82	14331	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA008.D
Acq On : 22 Feb 2010 6:19 pm
Operator : J. Shell
Sample : aa43412
Misc : 10-017 (water for S-V)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 23 11:23:28 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	13.492	122	10427	N.D.		
22) bis(2-Chloroethoxy)met...	13.745	93	427	N.D.		
23) 2,4-Dichlorophenol	13.921	162	57	N.D.		
24) Benzoic Acid	13.815	122	8967	N.D.		
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.		
26) Naphthalene	14.303	128	2306	N.D.		
27) 4-Chloroaniline	14.644	127	209	N.D.		
28) Hexachlorobutadiene	0.000	225	0	N.D.		
29) 4-Chloro-3-methylphenol	15.772	107	454	N.D.		
30) 2-Methylnaphthalene	15.789	142	69	N.D.		
32) Hexachlorocyclopentadiene	0.000	237	0	N.D.		
33) 2,4,6-Trichlorophenol	16.859	196	62	N.D.		
34) 2,4,5-Trichlorophenol	16.859	196	62	N.D.		
36) 2-Chloronaphthalene	17.288	162	267	N.D.		
37) 2-Nitroaniline	17.705	65	426	N.D.		
38) Dimethylphthalate	18.204	163	312	N.D.		
39) Acenaphthylene	18.433	152	82	N.D.		
40) 2,6-Dinitrotoluene	18.322	165	1278	N.D.		
41) 3-Nitroaniline	17.611	138	53	N.D.		
42) Acenaphthene	18.892	154	504	N.D.		
43) 2,4-Dinitrophenol	0.000	184	0	N.D.		
44) 4-Nitrophenol	19.338	109	251	N.D.		
45) Dibenzofuran	19.350	168	550	N.D.		
46) 2,4-Dinitrotoluene	19.397	165	72	N.D.		
47) Diethylphthalate	20.067	149	24248	N.D.		
48) Fluorene	20.249	166	259	N.D.		
49) 4-Chlorophenyl-phenyle...	20.290	204	57	N.D.		
50) 4-Nitroaniline	20.443	138	75	N.D.		
52) 4,6-Dinitro-2-methylph...	20.895	198	1843	N.D.		
53) n-Nitrosodiphenylamine	20.889	169	24694	N.D.		
55) 4-Bromophenyl-phenylether	0.000	248	0	N.D.		
56) Hexachlorobenzene	0.000	284	0	N.D.		
57) Pentachlorophenol	0.000	266	0	N.D.		
58) Phenanthrene	22.769	178	723	N.D.		
59) Anthracene	22.922	178	116	N.D.		
60) Di-n-butylphthalate	24.373	149	84312	N.D.		
61) Fluoranthene	25.872	202	1018	N.D.		
63) Pyrene	26.448	202	556	N.D.		
65) Butylbenzylphthalate	28.404	149	15154	N.D.		
66) Benzo[a]anthracene	30.231	228	8361	N.D.		
67) 3,3'-Dichlorobenzidine	0.000	252	0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA008.D
Acq On : 22 Feb 2010 6:19 pm
Operator : J. Shell
Sample : aa43412
Misc : 10-017 (water for S-V)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 23 11:23:28 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

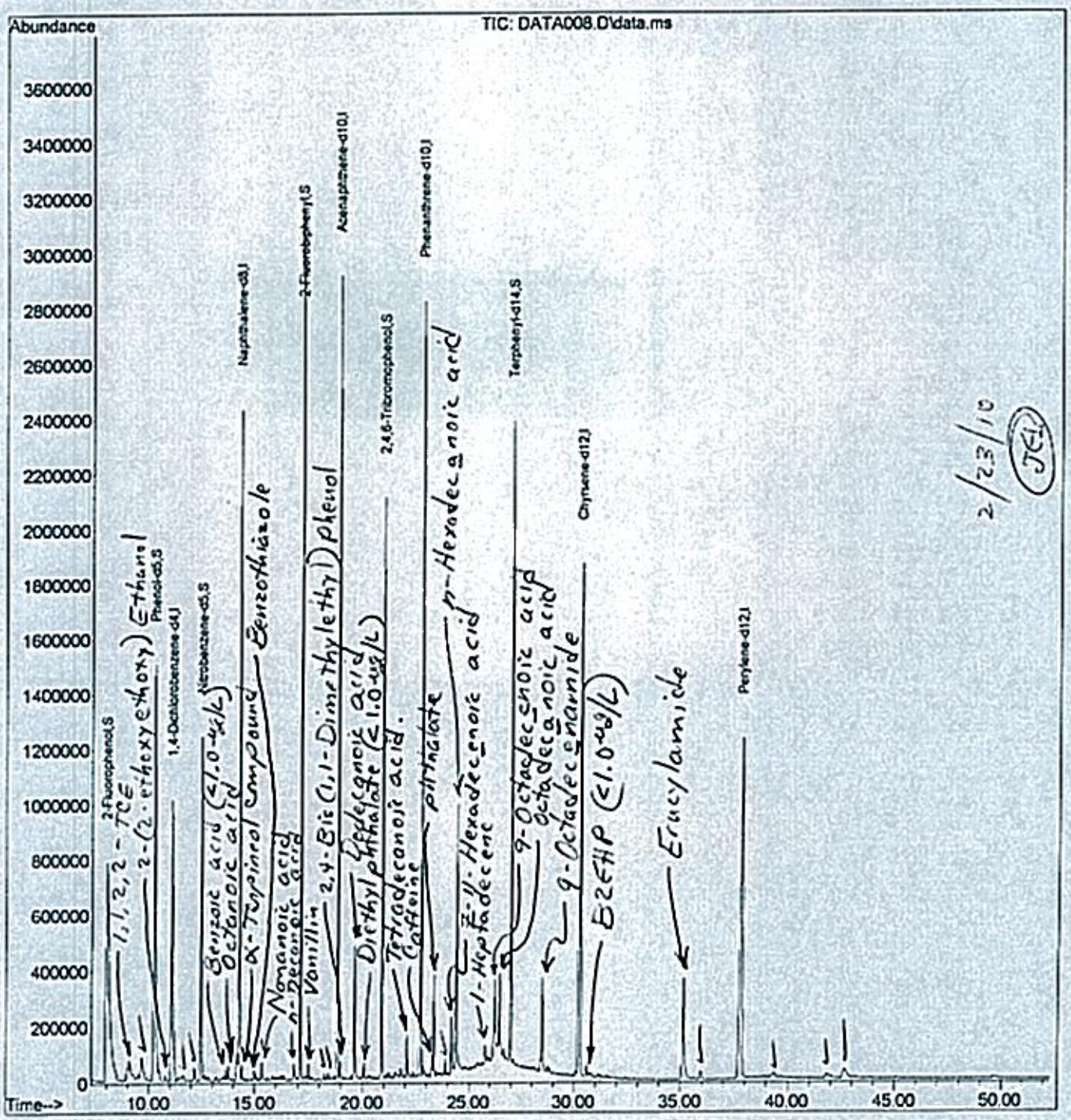
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chyrsene	30.231	228	8361	N.D.	
69) bis(2-Ethylhexyl)phtha...	30.584	149	38656	N.D.	
71) Di-n-octylphthalate	33.986	149	183	N.D.	
72) Benzo[b]fluoranthene	35.690	252	54	N.D.	
73) Benzo[k]fluoranthene	35.831	252	56	N.D.	
74) Benzo[a]pyrene	37.823	252	10562	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	0.000	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-017\
Data File : DATA008.D
Acq On : 22 Feb 2010 6:19 pm
Operator : J. Shell
Sample : aa43412
Misc : 10-017 (water for S-V)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 23 11:23:28 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
		County:	035 FORREST
		Basin:	
Sample ID:	AA43413	QA Type:	
Location Name:	GULF STATE CREOSOTE	Division Code:	3858
Location Description:	SD-1	Requested By:	TONY RUSSELL
		Date Collected:	02/10/2010
Location Code:	C0350009	Time Collected:	835
Other No.:	SD-1	Sample Collector:	KWHITTEN
Permit No.:		Delivery Mode:	SV
Discharge No.:		Received at Lab by:	TAMMY SAWYER
Master AI No.:	0	Date Received at Lab:	02/11/2010
Latitude:		Time Received at Lab:	1215
Longitude:			

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	1600	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/kg	1600	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/kg	330	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/kg	330	JSHELL
2-Chlorophenol	8270	<MQL	µg/kg	330	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/kg	330	JSHELL
2-Methylphenol	8270	<MQL	µg/kg	330	JSHELL
2-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
2-Nitrophenol	8270	<MQL	µg/kg	330	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	660	JSHELL

3-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	1600	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	330	JSHELL
4-Chloroaniline	8270	<MQL	µg/kg	330	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL
4-Methylphenol	8270	<MQL	µg/kg	330	JSHELL
4-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
4-Nitrophenol	8270	<MQL	µg/kg	1600	JSHELL
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL
Acenaphthylene	8270	<MQL	µg/kg	330	JSHELL
Anthracene	8270	<MQL	µg/kg	330	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/kg	330	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/kg	330	JSHELL
Benzo[b]fluoranthene	8270	<MQL	µg/kg	330	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/kg	330	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/kg	330	JSHELL
Benzoic Acid	8270	<MQL	µg/kg	1600	JSHELL
Benzyl alcohol	8270	<MQL	µg/kg	330	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	330	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	330	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	330	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	330	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/kg	330	JSHELL
Carbazole	8270	<MQL	µg/kg	330	JSHELL
Chrysene	8270	<MQL	µg/kg	330	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	330	JSHELL
Dibenzofuran	8270	<MQL	µg/kg	330	JSHELL
Diethylphthalate	8270	<MQL	µg/kg	330	JSHELL
Dimethylphthalate	8270	<MQL	µg/kg	330	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/kg	330	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/kg	330	JSHELL
Fluoranthene	8270	<MQL	µg/kg	330	JSHELL
Fluorene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorobenzene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	330	JSHELL
Hexachloroethane	8270	<MQL	µg/kg	330	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/kg	330	JSHELL
Isophorone	8270	<MQL	µg/kg	330	JSHELL
Naphthalene	8270	<MQL	µg/kg	330	JSHELL
Nitrobenzene	8270	<MQL	µg/kg	330	JSHELL

N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	330	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	330	JSHELL
Pentachlorophenol	8270	<MQL	µg/kg	660	JSHELL
Phenanthrene	8270	<MQL	µg/kg	330	JSHELL
Phenol	8270	<MQL	µg/kg	330	JSHELL
Pyrene	8270	<MQL	µg/kg	330	JSHELL
2,4,6-Tribromophenol	8270	84	%	19-122	JSHELL
2-Fluorobiphenyl	8270	75	%	30-115	JSHELL
2-Fluorophenol	8270	56	%	25-121	JSHELL
Nitrobenzene-d5	8270	68	%	23-120	JSHELL
Phenol-d5	8270	64	%	24-113	JSHELL
p-Terphenyl-d14	8270	80	%	18-137	JSHELL

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

LOCATION NAME: GSC - GORDONS CREEK
WHERE TAKEN: LOCATION ONE DOWNGRADIENT OF WALL
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

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

II. SAMPLE IDENTIFICATION:
Environment Condition Collected By K. Whitten
Where Taken location #1 - downgradient of wall

	Type	Parameters	Preservative	Date	Time
1.	sediment	semivolatiles	None	2/10/10	0835
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 2/11/10 Time 1215
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 low level analysis

*Date of Test Initiation 2/10/10

3858

43413

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA004.D
Acq On : 17 Feb 2010 4:47 pm
Operator : J. Shell
Sample : aa43413
Misc : 10-016 (soil for S-V)
ALS Vial : 4 Sample Multiplier: 1

2/18/10 JS

Quant Time: Feb 18 09:38:16 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.065	152	971545	40.00	ug/ml	0.00
16) Naphthalene-d8	14.256	136	3486134	40.00	ug/ml	-0.02
31) Acenaphthene-d10	18.833	164	1926147	40.00	ug/ml	0.00
51) Phenanthrene-d10	22.722	188	3556532	40.00	ug/ml	-0.01
62) Chyrsene-d12	30.267	240	3452920	40.00	ug/ml	-0.04
70) Perylene-d12	37.852	264	3073454	40.00	ug/ml	-0.04
System Monitoring Compounds						
2) 2-Fluorophenol	7.992	112	2185920m	55.86	ug/ml	0.00
Spiked Amount 100.000	Range 25 - 121		Recovery = 55.86%			
3) Phenol-d5	10.243	99	2623253	64.05	ug/ml	-0.01
Spiked Amount 100.000	Range 24 - 113		Recovery = 64.05%			
17) Nitrobenzene-d5	12.452	82	1202072	34.16	ug/ml	-0.02
Spiked Amount 50.000	Range 23 - 120		Recovery = 68.32%			
35) 2-Fluorobiphenyl	17.117	172	2281936	37.61	ug/ml	-0.01
Spiked Amount 50.000	Range 30 - 115		Recovery = 75.22%			
54) 2,4,6-Tribromophenol	20.901	330	635788	84.42	ug/ml	-0.02
Spiked Amount 100.000	Range 19 - 122		Recovery = 84.42%			
64) Terphenyl-d14	26.970	244	3057300	40.20	ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 80.40%			
Target Compounds						Qvalue
4) Phenol	10.296	94	563	N.D.		
5) bis(2-Chloroethyl)ether	0.000	93	0	N.D.		
6) 2-Chlorophenol	10.560	128	63	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	11.459	108	253	N.D.		
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.		
11) 2-Methylphenol	12.158	108	55	N.D.		
12) bis(2-chloroisopropyl)...	12.058	45	1950	N.D.		
13) 4-Methylphenol	0.000	107	0	N.D.		
14) n-Nitroso-di-n-propyla...	12.164	70	307	N.D.		
15) Hexachloroethane	0.000	117	0	N.D.		
18) Nitrobenzene	12.452	77	3791	N.D.		
19) Isophorone	12.822	82	262	N.D.		

Data Path : D:\data\10-006\
Data File : DATA004.D
Acq On : 17 Feb 2010 4:47 pm
Operator : J. Shell
Sample : aa43413
Misc : 10-016 (soil for S-V)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 18 09:38:16 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 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	13.756	122	197	N.D.
22) bis(2-Chloroethoxy)met...	0.000	93	0	N.D.
23) 2,4-Dichlorophenol	0.000	162	0	N.D.
24) Benzoic Acid	13.756	122	197	N.D.
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.
26) Naphthalene	14.326	128	80	N.D.
27) 4-Chloroaniline	0.000	127	0	N.D.
28) Hexachlorobutadiene	0.000	225	0	N.D.
29) 4-Chloro-3-methylphenol	15.783	107	126	N.D.
30) 2-Methylnaphthalene	15.795	142	56	N.D.
32) Hexachlorocyclopentadiene	0.000	237	0	N.D.
33) 2,4,6-Trichlorophenol	16.947	196	55	N.D.
34) 2,4,5-Trichlorophenol	16.947	196	55	N.D.
36) 2-Chloronaphthalene	17.293	162	441	N.D.
37) 2-Nitroaniline	0.000	65	0	N.D.
38) Dimethylphthalate	18.210	163	94	N.D.
39) Acenaphthylene	0.000	152	0	N.D.
40) 2,6-Dinitrotoluene	18.328	165	129	N.D.
41) 3-Nitroaniline	0.000	138	0	N.D.
42) Acenaphthene	18.833	154	6610	N.D.
43) 2,4-Dinitrophenol	0.000	184	0	N.D.
44) 4-Nitrophenol	19.285	109	122	N.D.
45) Dibenzofuran	19.373	168	377	N.D.
46) 2,4-Dinitrotoluene	19.303	165	59	N.D.
47) Diethylphthalate	20.078	149	8486	N.D.
48) Fluorene	0.000	166	0	N.D.
49) 4-Chlorophenyl-phenyle...	0.000	204	0	N.D.
50) 4-Nitroaniline	0.000	138	0	N.D.
52) 4,6-Dinitro-2-methylph...	20.895	198	1989	N.D.
53) n-Nitrosodiphenylamine	20.901	169	23862	N.D.
55) 4-Bromophenyl-phenylether	0.000	248	0	N.D.
56) Hexachlorobenzene	0.000	284	0	N.D.
57) Pentachlorophenol	22.252	266	68	N.D.
58) Phenanthrene	22.769	178	608	N.D.
59) Anthracene	22.910	178	263	N.D.
60) Di-n-butylphthalate	24.385	149	21501	N.D.
61) Fluoranthene	25.889	202	130	N.D.
63) Pyrene	26.477	202	188	N.D.
65) Butylbenzylphthalate	28.416	149	3499	N.D.
66) Benzo[a]anthracene	30.249	228	4769	N.D.
67) 3,3'-Dichlorobenzidine	0.000	252	0	N.D.

Data Path : D:\data\10-006\
Data File : DATA004.D
Acq On : 17 Feb 2010 4:47 pm
Operator : J. Shell
Sample : aa43413
Misc : 10-016 (soil for S-V)
ALS Vial : 4 Sample Multiplier: 1

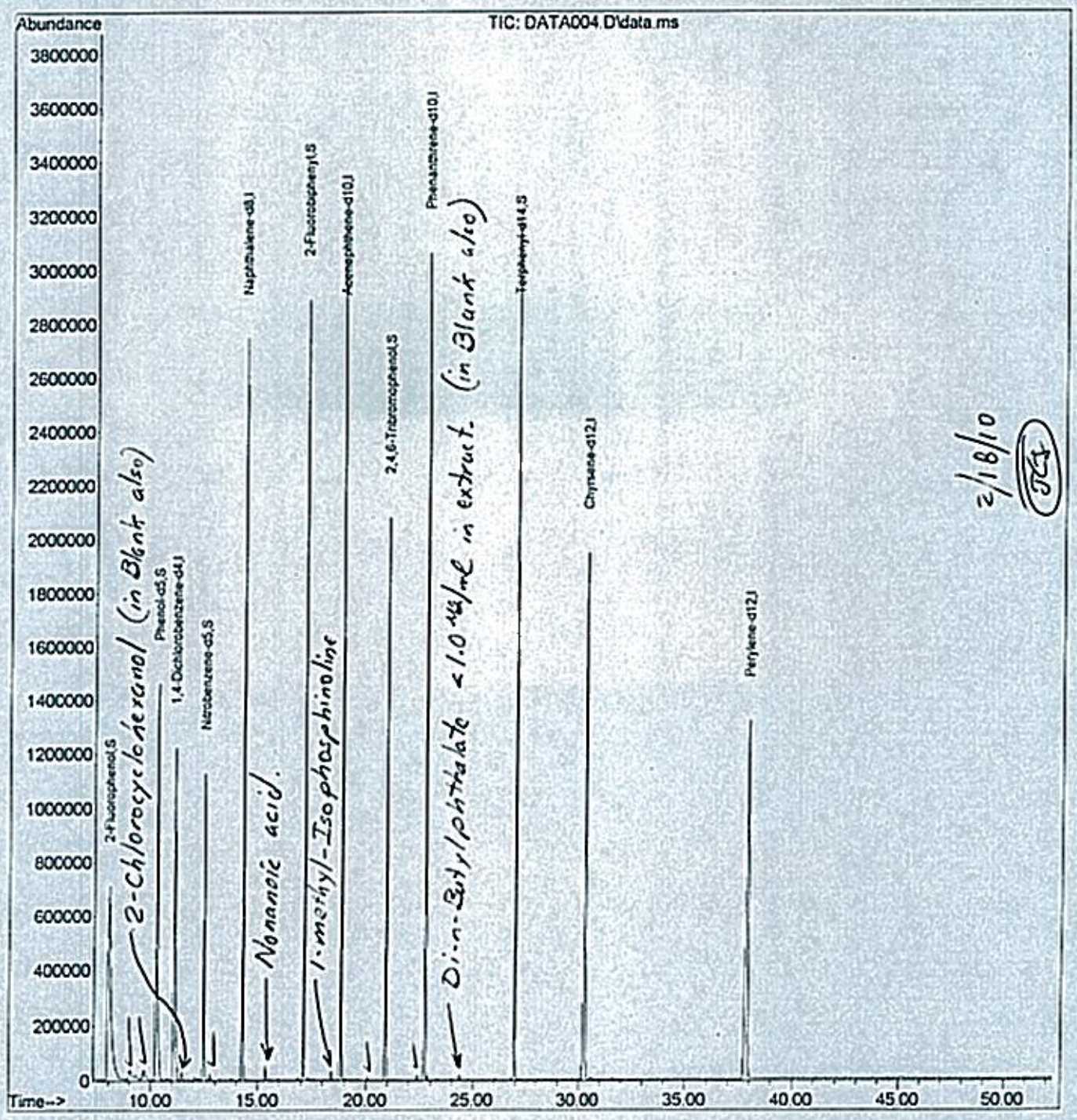
Quant Time: Feb 18 09:38:16 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chyrsene	30.249	228	4769	N.D.	
69) bis(2-Ethylhexyl)phtha...	30.607	149	10051	N.D.	
71) Di-n-octylphthalate	34.051	149	1608	N.D.	
72) Benzo[b]fluoranthene	0.000	252	0	N.D.	
73) Benzo[k]fluoranthene	0.000	252	0	N.D.	
74) Benzo[a]pyrene	37.846	252	12043	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	0.000	276	0	N.D.	

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

Data Path : D:\data\10-006\
Data File : DATA004.D
Acq On : 17 Feb 2010 4:47 pm
Operator : J. Shell
Sample : aa43413
Misc : 10-016 (soil for S-V)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 18 09:38:16 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 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

Sample ID:	AA43414
Location Name:	GULF STATE CREOSOTE
Location Description:	SD-2
Location Code:	C0350009
Other No.:	SD-2
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	842
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	1600	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/kg	1600	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/kg	330	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/kg	330	JSHELL
2-Chlorophenol	8270	<MQL	µg/kg	330	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/kg	330	JSHELL
2-Methylphenol	8270	<MQL	µg/kg	330	JSHELL
2-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
2-Nitrophenol	8270	<MQL	µg/kg	330	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	660	JSHELL

3-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	1600	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	330	JSHELL
4-Chloroaniline	8270	<MQL	µg/kg	330	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL
4-Methylphenol	8270	<MQL	µg/kg	330	JSHELL
4-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
4-Nitrophenol	8270	<MQL	µg/kg	1600	JSHELL
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL
Acenaphthylene	8270	Trace 150	µg/kg	330	JSHELL
Anthracene	8270	Trace 217	µg/kg	330	JSHELL
Benzo[a]anthracene	8270	631	µg/kg	330	JSHELL
Benzo[a]pyrene	8270	707	µg/kg	330	JSHELL
Benzo[b]fluoranthene	8270	906	µg/kg	330	JSHELL
Benzo[g,h,i]perylene	8270	509	µg/kg	330	JSHELL
Benzo[k]fluoranthene	8270	445	µg/kg	330	JSHELL
Benzoic Acid	8270	<MQL	µg/kg	1600	JSHELL
Benzyl alcohol	8270	<MQL	µg/kg	330	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	330	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	330	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	330	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	330	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/kg	330	JSHELL
Carbazole	8270	<MQL	µg/kg	330	JSHELL
Chrysene	8270	827	µg/kg	330	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	330	JSHELL
Dibenzofuran	8270	<MQL	µg/kg	330	JSHELL
Diethylphthalate	8270	<MQL	µg/kg	330	JSHELL
Dimethylphthalate	8270	<MQL	µg/kg	330	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/kg	330	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/kg	330	JSHELL
Fluoranthene	8270	1050	µg/kg	330	JSHELL
Fluorene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorobenzene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	330	JSHELL
Hexachloroethane	8270	<MQL	µg/kg	330	JSHELL
Indeno[1,2,3-cd]pyrene	8270	506	µg/kg	330	JSHELL
Isophorone	8270	<MQL	µg/kg	330	JSHELL
Naphthalene	8270	<MQL	µg/kg	330	JSHELL
Nitrobenzene	8270	<MQL	µg/kg	330	JSHELL

N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	330	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	330	JSHELL
Pentachlorophenol	8270	<MQL	µg/kg	660	JSHELL
Phenanthrene	8270	Trace 324	µg/kg	330	JSHELL
Phenol	8270	<MQL	µg/kg	330	JSHELL
Pyrene	8270	798	µg/kg	330	JSHELL
2,4,6-Tribromophenol	8270	86	%	19-122	JSHELL
2-Fluorobiphenyl	8270	85	%	30-115	JSHELL
2-Fluorophenol	8270	59	%	25-121	JSHELL
Nitrobenzene-d5	8270	76	%	23-120	JSHELL
Phenol-d5	8270	71	%	24-113	JSHELL
p-Terphenyl-d14	8270	77	%	18-137	JSHELL

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

LOCATION NAME: GSC - GORDONS CREEK
WHERE TAKEN: LOCATION TWO ALONG WALL
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC - Gordon Creek
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification SD-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 K. Whitten
Where Taken location #2 along wall

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semivolatiles	None	2/10/10	0842
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 Danger Date 2/11/10 Time 1215
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 low level analysis

*Date of Test Initiation 2/15/10

43858 43414 43413 TS ~~43413~~ TS

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA005.D
Acq On : 17 Feb 2010 5:53 pm
Operator : J. Shell
Sample : aa43414
Misc : 10-016 (soil for S-V)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 09:50:25 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 2010
Response via : Initial Calibration

2/18/10 JCS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.065	152	978446	40.00	ug/ml	0.00
16) Naphthalene-d8	14.256	136	3540339	40.00	ug/ml	-0.02
31) Acenaphthene-d10	18.827	164	1997851	40.00	ug/ml	-0.01
51) Phenanthrene-d10	22.722	188	3806590	40.00	ug/ml	-0.01
62) Chyrsene-d12	30.278	240	3965199	40.00	ug/ml	-0.02
70) Perylene-d12	37.899	264	3941315	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.998	112	2340956	59.40	ug/ml	0.00
Spiked Amount 100.000	Range 25 - 121		Recovery = 59.40%			
3) Phenol-d5	10.243	99	2929786	71.03	ug/ml	-0.01
Spiked Amount 100.000	Range 24 - 113		Recovery = 71.03%			
17) Nitrobenzene-d5	12.452	82	1362817	38.14	ug/ml	-0.02
Spiked Amount 50.000	Range 23 - 120		Recovery = 76.28%			
35) 2-Fluorobiphenyl	17.117	172	2674895	42.50	ug/ml	-0.01
Spiked Amount 50.000	Range 30 - 115		Recovery = 85.00%			
54) 2,4,6-Tribromophenol	20.901	330	692003	85.84	ug/ml	-0.02
Spiked Amount 100.000	Range 19 - 122		Recovery = 85.84%			
64) Terphenyl-d14	26.976	244	3372564	38.62	ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 77.24%			
Target Compounds						Qvalue
4) Phenol	10.278	94	3010	N.D.		
5) bis(2-Chloroethyl)ether	10.519	93	56	N.D.		
6) 2-Chlorophenol	10.548	128	65	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	11.459	108	1079	N.D.		
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.		
11) 2-Methylphenol	12.140	108	781	N.D.		
12) bis(2-chloroisopropyl)...	11.841	45	65	N.D.		
13) 4-Methylphenol	12.158	107	2428	N.D.		
14) n-Nitroso-di-n-propyla...	12.246	70	225	N.D.		
15) Hexachloroethane	12.428	117	367	N.D.		
18) Nitrobenzene	12.452	77	5126	N.D.		
19) Isophorone	13.157	82	399	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA005.D
Acq On : 17 Feb 2010 5:53 pm
Operator : J. Shell
Sample : aa43414
Misc : 10-016 (soil for S-V)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 09:50:25 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 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	780	N.D.	
22) bis(2-Chloroethoxy)met...	13.727	93	861	N.D.	
23) 2,4-Dichlorophenol	13.909	162	388	N.D.	
24) Benzoic Acid	13.827	122	1094	N.D.	
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.	
26) Naphthalene	14.309	128	42480	N.D.	
27) 4-Chloroaniline	14.309	127	5246	N.D.	
28) Hexachlorobutadiene	0.000	225	0	N.D.	
29) 4-Chloro-3-methylphenol	15.777	107	450	N.D.	
30) 2-Methylnaphthalene	16.107	142	10365	N.D.	
32) Hexachlorocyclopentadiene	0.000	237	0	N.D.	
33) 2,4,6-Trichlorophenol	16.864	196	212	N.D.	
34) 2,4,5-Trichlorophenol	16.947	196	642	N.D.	
36) 2-Chloronaphthalene	17.288	162	548	N.D.	
37) 2-Nitroaniline	17.640	65	302	N.D.	
38) Dimethylphthalate	18.198	163	623	N.D.	
39) Acenaphthylene	18.439	152	131558	1.51 ug/ml	99
40) 2,6-Dinitrotoluene	18.339	165	464	N.D.	
41) 3-Nitroaniline	17.752	138	53	N.D.	
42) Acenaphthene	18.903	154	10691	N.D.	
43) 2,4-Dinitrophenol	0.000	184	0	N.D.	
44) 4-Nitrophenol	19.279	109	762	N.D.	
45) Dibenzofuran	19.356	168	13755	N.D.	
46) 2,4-Dinitrotoluene	19.385	165	368	N.D.	
47) Diethylphthalate	20.078	149	15539	N.D.	
48) Fluorene	20.261	166	23052	N.D.	
49) 4-Chlorophenyl-phenyle...	20.742	204	53	N.D.	
50) 4-Nitroaniline	20.366	138	61	N.D.	
52) 4,6-Dinitro-2-methylph...	20.901	198	1957	N.D.	
53) n-Nitrosodiphenylamine	20.631	169	931	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	1219	N.D.	
58) Phenanthrene	22.775	178	292423	3.27 ug/ml	99
59) Anthracene	22.905	178	263470	2.91 ug/ml	99
60) Di-n-butylphthalate	24.385	149	77415	N.D.	
61) Fluoranthene	25.889	202	1134300	10.57 ug/ml	98
63) Pyrene	26.471	202	1015606	8.06 ug/ml	97
65) Butylbenzylphthalate	28.057	149	563	N.D.	
66) Benzo[a]anthracene	30.208	228	788574m	6.37 ug/ml	
67) 3,3'-Dichlorobenzidine	30.196	252	443	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA005.D
Acq On : 17 Feb 2010 5:53 pm
Operator : J. Shell
Sample : aa43414
Misc : 10-016 (soil for S-V)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 09:50:25 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 2010
Response via : Initial Calibration

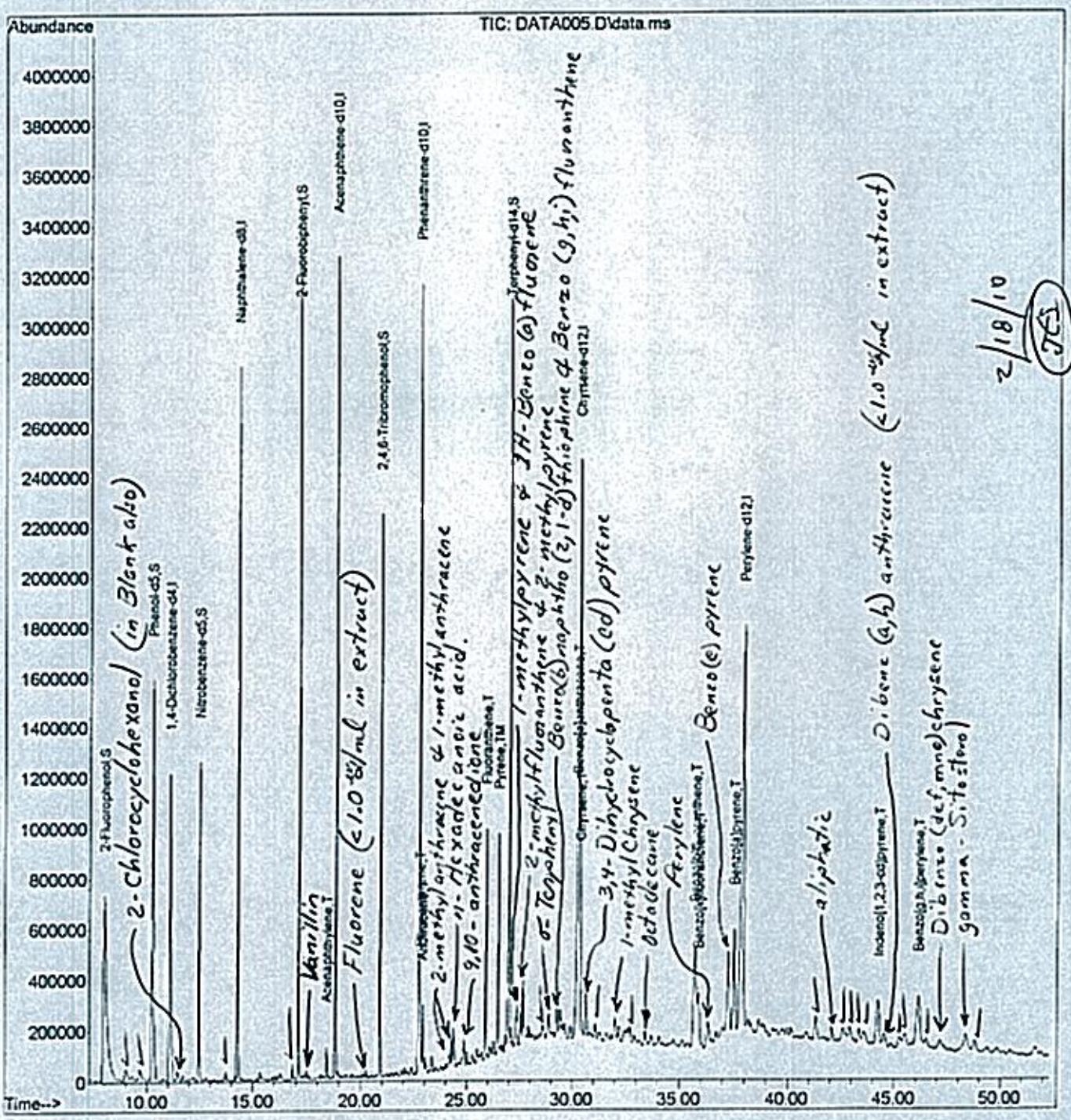
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chyrsene	30.361	228	984424m	8.35 ug/ml	
69) bis(2-Ethylhexyl)phtha...	30.613	149	84871	N.D.	
71) Di-n-octylphthalate	34.074	149	71189	N.D.	
72) Benzo[b]fluoranthene	35.719	252	1394737	9.15 ug/ml	99
73) Benzo[k]fluoranthene	35.884	252	550021m	4.49 ug/ml	
74) Benzo[a]pyrene	37.523	252	882320	7.14 ug/ml	99
75) Indeno[1,2,3-cd]pyrene	44.268	276	633985	5.11 ug/ml#	80
76) Dibenz[a,h]anthracene	44.873	278	40034	N.D.	
77) Benzo[g,h,i]perylene	46.142	276	638020	5.14 ug/ml#	86

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA005.D
Acq On : 17 Feb 2010 5:53 pm
Operator : J. Shell
Sample : aa43414
Misc : 10-016 (soil for S-V)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 09:50:25 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 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

Sample ID:	AA43415
Location Name:	GULF STATE CREOSOTE
Location Description:	SD-3
Location Code:	C0350009
Other No.:	SD-3
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	852
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	1600	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dinitrophenol	8270	<MQL	µg/kg	330	JSHELL
2,4-Dinitrotoluene	8270	<MQL	µg/kg	1600	JSHELL
2,6-Dinitrotoluene	8270	<MQL	µg/kg	330	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/kg	330	JSHELL
2-Chlorophenol	8270	<MQL	µg/kg	330	JSHELL
2-Methylnaphthalene	8270	<MQL	µg/kg	330	JSHELL
2-Methylphenol	8270	<MQL	µg/kg	330	JSHELL
2-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
2-Nitrophenol	8270	<MQL	µg/kg	330	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	660	JSHELL

3-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	1600	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	330	JSHELL
4-Chloroaniline	8270	<MQL	µg/kg	330	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL
4-Methylphenol	8270	<MQL	µg/kg	330	JSHELL
4-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL
4-Nitrophenol	8270	<MQL	µg/kg	1600	JSHELL
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL
Acenaphthylene	8270	<MQL	µg/kg	330	JSHELL
Anthracene	8270	<MQL	µg/kg	330	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/kg	330	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/kg	330	JSHELL
Benzo[b]fluoranthene	8270	Trace 127	µg/kg	330	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/kg	330	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/kg	330	JSHELL
Benzoic Acid	8270	<MQL	µg/kg	1600	JSHELL
Benzyl alcohol	8270	<MQL	µg/kg	330	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	330	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	330	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	330	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	330	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/kg	330	JSHELL
Carbazole	8270	<MQL	µg/kg	330	JSHELL
Chrysene	8270	<MQL	µg/kg	330	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	330	JSHELL
Dibenzofuran	8270	<MQL	µg/kg	330	JSHELL
Diethylphthalate	8270	<MQL	µg/kg	330	JSHELL
Dimethylphthalate	8270	<MQL	µg/kg	330	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/kg	330	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/kg	330	JSHELL
Fluoranthene	8270	Trace 127	µg/kg	330	JSHELL
Fluorene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorobenzene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/kg	330	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	330	JSHELL
Hexachloroethane	8270	<MQL	µg/kg	330	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/kg	330	JSHELL
Isophorone	8270	<MQL	µg/kg	330	JSHELL
Naphthalene	8270	<MQL	µg/kg	330	JSHELL
Nitrobenzene	8270	<MQL	µg/kg	330	JSHELL

N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	330	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	330	JSHELL
Pentachlorophenol	8270	<MQL	µg/kg	660	JSHELL
Phenanthrene	8270	<MQL	µg/kg	330	JSHELL
Phenol	8270	<MQL	µg/kg	330	JSHELL
Pyrene	8270	Trace 101	µg/kg	330	JSHELL
2,4,6-Tribromophenol	8270	84	%	19-122	JSHELL
2-Fluorobiphenyl	8270	83	%	30-115	JSHELL
2-Fluorophenol	8270	59	%	25-121	JSHELL
Nitrobenzene-d5	8270	74	%	23-120	JSHELL
Phenol-d5	8270	69	%	24-113	JSHELL
p-Terphenyl-d14	8270	75	%	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

LOCATION NAME: GSC - GORDONS CREEK
WHERE TAKEN: LOCATION THREE UPGRADIENT OF WALL
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC - Gordons Creek
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification SD-3
Requested By Tony Burkett Data To Burkett
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By K. Whitten
Where Taken location #3 - upgradient of well

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semivolatiles	None	2/10/10	0852
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 Mauger Date 2/11/10 Time 1215
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 low level analyses

*Date of Test Initiation

3858 43415 43414 TS

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA006.D
Acq On : 17 Feb 2010 6:59 pm
Operator : J. Shell
Sample : aa43415
Misc : 10-016 (soil for S-V)
ALS Vial : 6 Sample Multiplier: 1

2/18/10 JCS

Quant Time: Feb 18 13:05:54 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.065	152	999940✓	40.00	ug/ml	0.00
16) Naphthalene-d8	14.261	136	3608424✓	40.00	ug/ml	-0.01
31) Acenaphthene-d10	18.833	164	2029759✓	40.00	ug/ml	0.00
51) Phenanthrene-d10	22.728	188	3893988✓	40.00	ug/ml	0.00
62) Chyrsene-d12	30.272	240	4064429✓	40.00	ug/ml	-0.03
70) Perylene-d12	37.875	264	3957100✓	40.00	ug/ml	-0.02
System Monitoring Compounds						
2) 2-Fluorophenol	8.004	112	2371838m	58.89	ug/ml	0.00
Spiked Amount 100.000	Range 25 - 121		Recovery = 58.89%			
3) Phenol-d5	10.248	99	2923435	69.35	ug/ml	0.00
Spiked Amount 100.000	Range 24 - 113		Recovery = 69.35%			
17) Nitrobenzene-d5	12.452	82	1346808	36.98	ug/ml	-0.02
Spiked Amount 50.000	Range 23 - 120		Recovery = 73.96%			
35) 2-Fluorobiphenyl	17.117	172	2642422	41.33	ug/ml	-0.01
Spiked Amount 50.000	Range 30 - 115		Recovery = 82.66%			
54) 2,4,6-Tribromophenol	20.907	330	695247	84.31	ug/ml	-0.01
Spiked Amount 100.000	Range 19 - 122		Recovery = 84.31%			
64) Terphenyl-d14	26.970	244	3349087	37.41	ug/ml	0.00
Spiked Amount 50.000	Range 18 - 137		Recovery = 74.82%			
Target Compounds						Qvalue
4) Phenol	10.284	94	1874	N.D.		
5) bis(2-Chloroethyl)ether	10.489	93	83	N.D.		
6) 2-Chlorophenol	10.542	128	123	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	2729	N.D.		
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.		
11) 2-Methylphenol	12.146	108	731	N.D.		
12) bis(2-chloroisopropyl)...	11.829	45	116	N.D.		
13) 4-Methylphenol	12.146	107	474	N.D.		
14) n-Nitroso-di-n-propyla...	12.199	70	192	N.D.		
15) Hexachloroethane	12.369	117	67	N.D.		
18) Nitrobenzene	12.452	77	4981	N.D.		
19) Isophorone	13.163	82	166	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA006.D
Acq On : 17 Feb 2010 6:59 pm
Operator : J. Shell
Sample : aa43415
Misc : 10-016 (soil for S-V)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 13:05:54 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 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	13.633	122	4060	N.D.	
22) bis(2-Chloroethoxy)met...	13.744	93	76	N.D.	
23) 2,4-Dichlorophenol	0.000	162	0	N.D.	
24) Benzoic Acid	13.833	122	194	N.D.	
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.	
26) Naphthalene	14.314	128	2361	N.D.	
27) 4-Chloroaniline	14.303	127	112	N.D.	
28) Hexachlorobutadiene	0.000	225	0	N.D.	
29) 4-Chloro-3-methylphenol	15.795	107	121	N.D.	
30) 2-Methylnaphthalene	16.112	142	905	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	17.293	162	431	N.D.	
37) 2-Nitroaniline	17.540	65	186	N.D.	
38) Dimethylphthalate	18.216	163	610	N.D.	
39) Acenaphthylene	18.439	152	7026	N.D.	
40) 2,6-Dinitrotoluene	18.327	165	988	N.D.	
41) 3-Nitroaniline	18.139	138	59	N.D.	
42) Acenaphthene	18.897	154	294	N.D.	
43) 2,4-Dinitrophenol	0.000	184	0	N.D.	
44) 4-Nitrophenol	19.285	109	578	N.D.	
45) Dibenzofuran	19.361	168	995	N.D.	
46) 2,4-Dinitrotoluene	19.391	165	123	N.D.	
47) Diethylphthalate	20.078	149	28637	N.D.	
48) Fluorene	20.260	166	1293	N.D.	
49) 4-Chlorophenyl-phenyle...	0.000	204	0	N.D.	
50) 4-Nitroaniline	20.801	138	74	N.D.	
52) 4,6-Dinitro-2-methylph...	20.895	198	2139	N.D.	
53) n-Nitrosodiphenylamine	20.901	169	26904	N.D.	
55) 4-Bromophenyl-phenylether	0.000	248	0	N.D.	
56) Hexachlorobenzene	0.000	284	0	N.D.	
57) Pentachlorophenol	22.246	266	156	N.D.	
58) Phenanthrene	22.775	178	25534	N.D.	
59) Anthracene	22.904	178	12965	N.D.	
60) Di-n-butylphthalate	24.385	149	64872	N.D.	
61) Fluoranthene	25.889	202	141586	1.29 ug/ml	98
63) Pyrene	26.471	202	133506	1.03 ug/ml	98
65) Butylbenzylphthalate	28.416	149	11781	N.D.	
66) Benzo[a]anthracene	30.349	228	102852	N.D.	
67) 3,3'-Dichlorobenzidine	30.208	252	53	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA006.D
Acq On : 17 Feb 2010 6:59 pm
Operator : J. Shell
Sample : aa43415
Misc : 10-016 (soil for S-V)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 13:05:54 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chyrsene	30.349	228	102852	N.D.	
69) bis(2-Ethylhexyl)phtha...	30.601	149	39257	N.D.	
71) Di-n-octylphthalate	34.091	149	627	N.D.	
72) Benzo[b]fluoranthene	35.684	252	198028	1.29 ug/ml#	74
73) Benzo[k]fluoranthene	35.860	252	67726	N.D.	
74) Benzo[a]pyrene	37.493	252	103439	N.D.	
75) Indeno[1,2,3-cd]pyrene	44.174	276	48436	N.D.	
76) Dibenz[a,h]anthracene	44.715	278	251	N.D.	
77) Benzo[g,h,i]perylene	46.066	276	100622	N.D.	

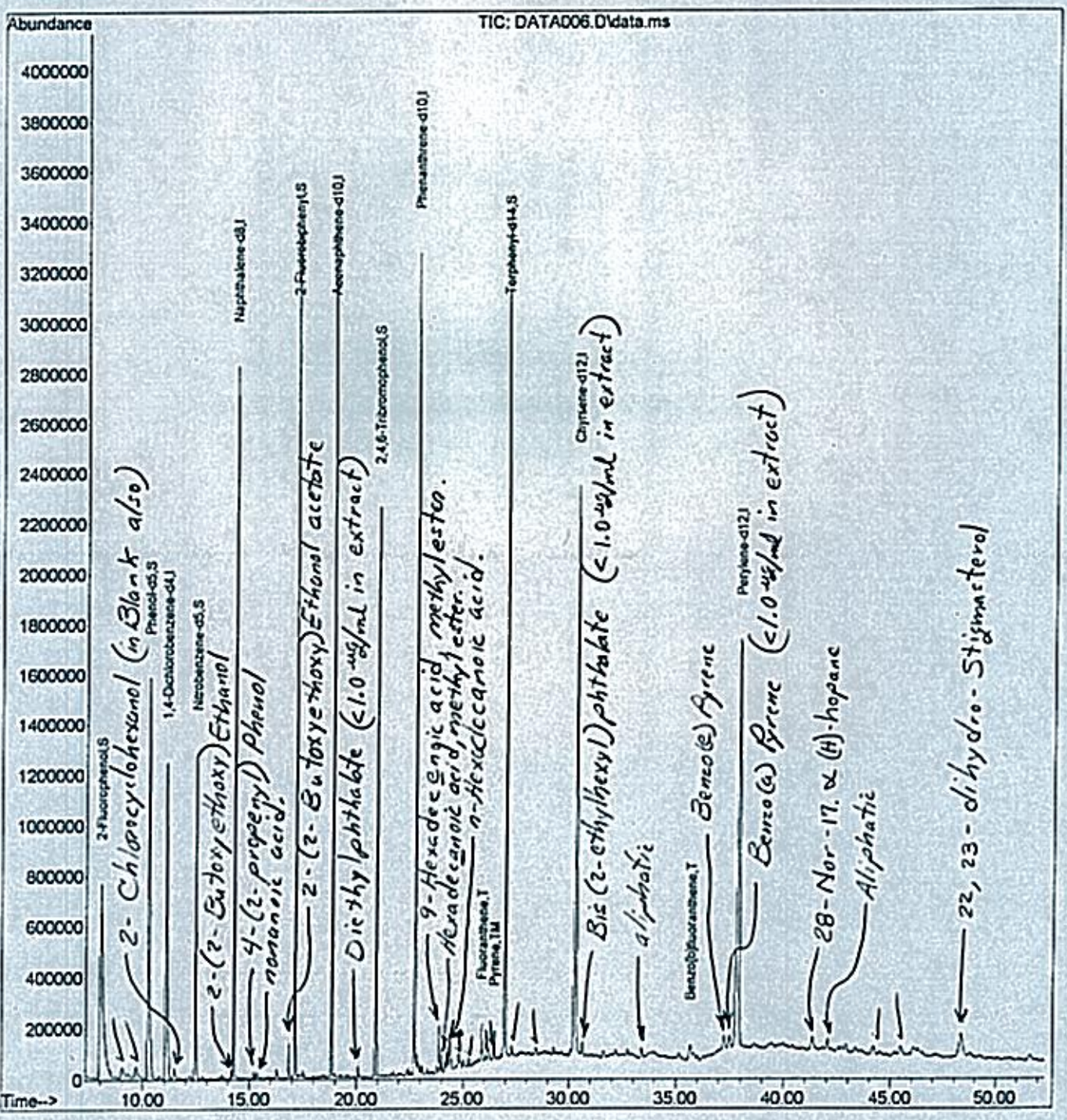
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-006\
Data File : DATA006.D
Acq On : 17 Feb 2010 6:59 pm
Operator : J. Shell
Sample : aa43415
Misc : 10-016 (soil for S-V)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 13:05:54 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Feb 18 09:26:58 2010
Response via : Initial Calibration

2/18/10 JCS



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

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:	

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

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-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	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: OUTFALLTO 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

Rush

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 OF-1
Requested By Tony Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken outfall to Gordon's Creek

	Type	Parameters	Preservative	Date	Time
1.	Surface Water	Semivolatile	None	2/12/10	0750
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 2/11/10 Time 0955
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 Low level analysis

*Date of Test Initiation

3858

43454

Quantitation Report (QT Reviewed)

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

2/23/10 JCS

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)
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) Chyrsene-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						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.		

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

Quantitation Report (QT Reviewed)

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.	

Quantitation Report (QT Reviewed)

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

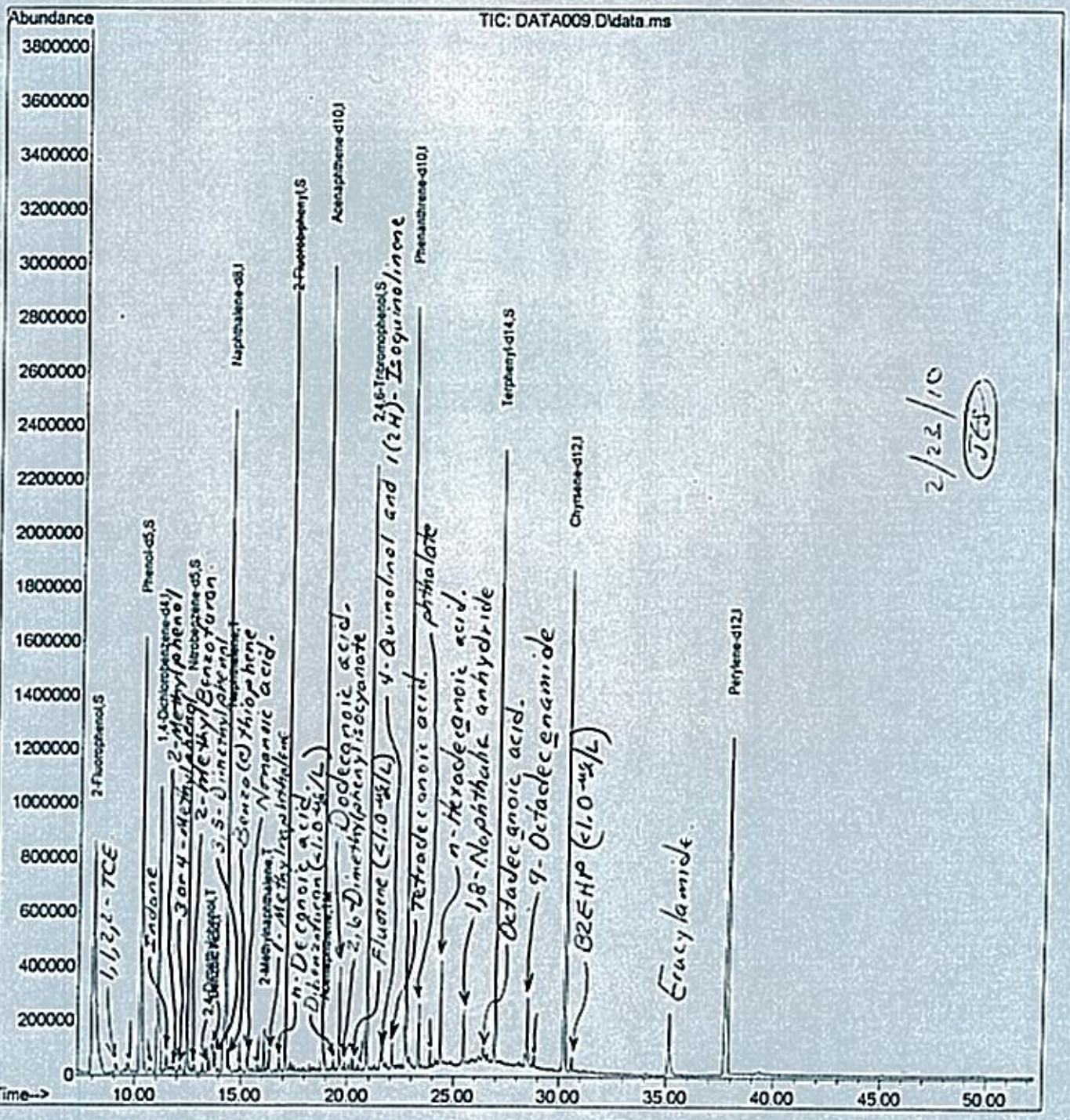
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Chyrsene	30.214	228	5405	N.D.		
69) bis(2-Ethylhexyl)phtha...	30.584	149	48551	N.D.		
71) Di-n-octylphthalate	34.039	149	732	N.D.		
72) Benzo[b]fluoranthene	35.743	252	277	N.D.		
73) Benzo[k]fluoranthene	35.837	252	61	N.D.		
74) Benzo[a]pyrene	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

Quantitation Report (QT Reviewed)

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



2/22/10 JCS

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

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

Rush

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

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

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken West Pine Ditch

	Type	Parameters	Preservative	Date	Time
1.	Surface Water	Semivolatiles	None	2/12/10	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 Tommy Bruner 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	(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 Analyses

*Date of Test Initiation

#3858

43455

Quantitation Report (QT Reviewed)

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

2/23/10 JCS

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) Chyrsene-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						Qvalue
4) Phenol	10.272	94	5784	N.D.		
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.		
9) Benzyl alcohol	11.500	108	280	N.D.		
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.		
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.		
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.		

2/23/10 JCS

Manual Integration:

0.20 ug/ml ← 11) 2-Methylphenol

0.32 ug/ml ← 13) 4-Methylphenol

Quantitation Report (QT Reviewed)

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.	
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.	
24) Benzoic Acid	13.680	122	73041m	4.88 ug/ml	
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.	

Manual Integration
2/23/10 JCL

Quantitation Report (QT Reviewed)

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

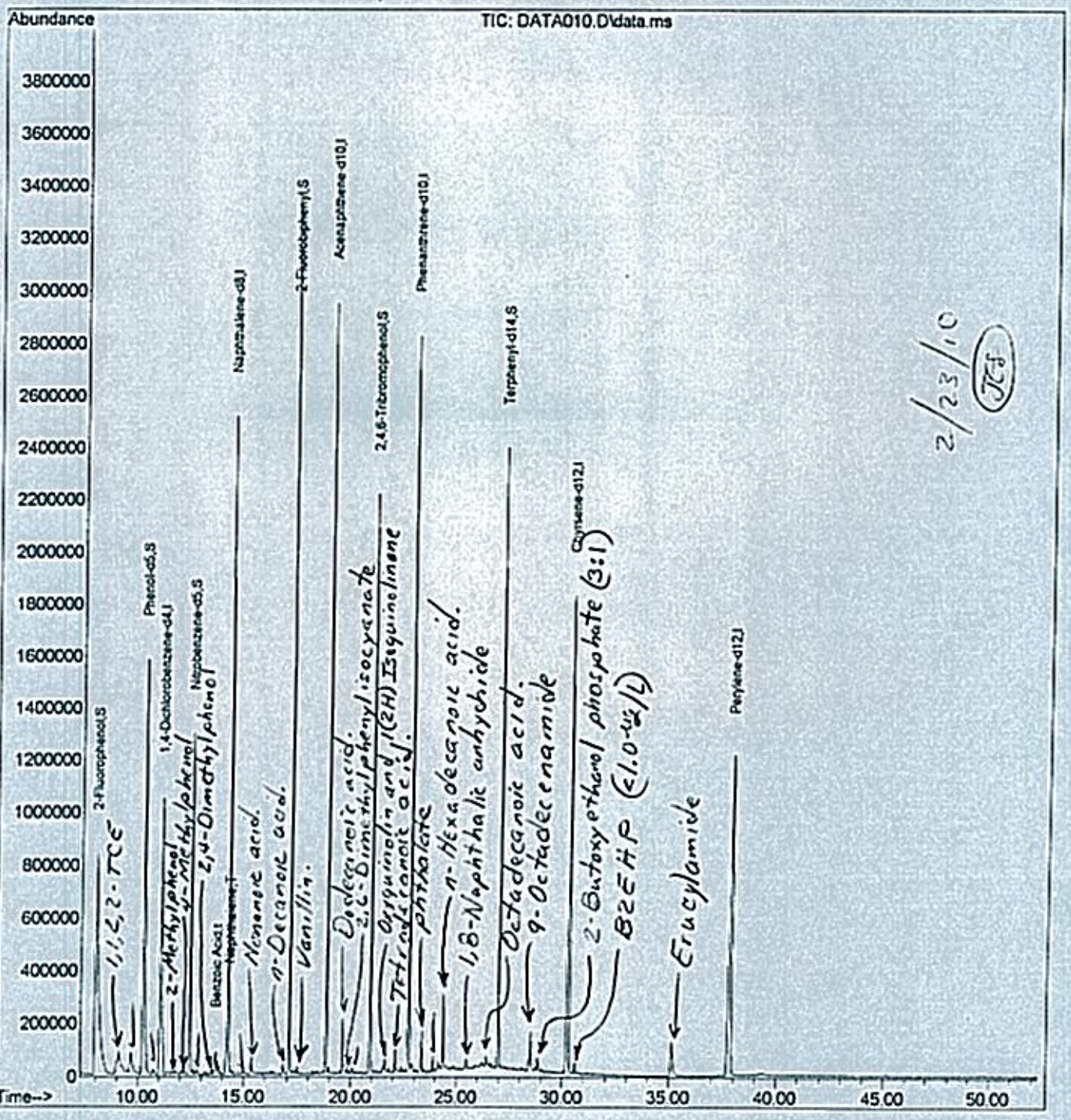
Internal Standards	R.T.	QIon	Response	Conc Units Dev(Min)
68) Chyrsene	30.225	228	5066	N.D.
69) bis(2-Ethylhexyl)phtha...	30.584	149	39766	N.D.
71) Di-n-octylphthalate	33.997	149	200	N.D.
72) Benzo[b]fluoranthene	35.707	252	220	N.D.
73) Benzo[k]fluoranthene	35.813	252	54	N.D.
74) Benzo[a]pyrene	37.188	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

Quantitation Report (QT Reviewed)

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



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

Sample ID:	AA43416
Location Name:	GULF STATE CREOSOTE
Location Description:	RW-14-05S
Location Code:	C0350009
Other No.:	RW-14-05S
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	1002
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
Iron, Total	200.8	169000	ug/L	100	LCOBB

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: ON CONCRETE OUTSIDE RW-14
REMARKS: LOW LEVEL ANALYSIS

Laboratory Reagent Blank - Exceeded Acceptance limits
Laboratory Fortified Blank was not analyzed with this batch of samples

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification RW-14-05
Requested By Tony Russell Data To T. Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By K. Whitten
Where Taken On concrete outside RW-14

	Type	Parameters	Preservative	Date	Time
1.	water	Iron	None - DAH	2/10/10	1002
2.			4°C		
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 Tonya Dauzat Date 2/11/10 Time 1215
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

#38558

43416 43415 TS

Sample Report

Sample Name	**aa43416 1:10**
Data File Name	**019SMPL.D**
DataPath	**C:\ICPMH\1\DATA\0217103.b**
Acq Date Time	**2010-02-17T12:26:22-06:00**
Type	**Sample**
VialNumber	**2107**
Dilution	**1**
Comment	
Operator	**L. Cobb**
ISTDRefDataFileName	**001CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

16 8.193

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Fe	57	45	1	16889.36	16889.36	ppb	180000	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Sc	45	1	92290	8.52	109001	84.7	60	125	
Sc	45	2	5145434	0.77	6031141	85.3	60	125	
Y	89	1	587768	7.39	651782	90.2	60	125	
Y	89	2	6072823	0.42	6653228	91.3	60	125	
In	115	1	588436	7.84	663719	88.7	60	125	
In	115	2	4162186	1.21	4649309	89.5	60	125	
Tb	159	2	4634547	1.39	4968185	93.3	60	125	
Ho	165	2	4208383	1.15	4498194	93.6	60	125	
Bi	209	1	1149086	7.13	1208602	95.1	60	125	
Bi	209	2	2071268	0.64	2147770	96.4	60	125	

TuneStep	TuneFile
1	he.u
2	nogas.u

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

Sample ID:	AA43417
Location Name:	GULF STATE CREOSOTE
Location Description:	RW-2-0[illegible]
Location Code:	C0350009
Other No.:	RW-2-0[illegible]
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	1010
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
Iron, Total	200.8	71100	ug/L	100	LCOBB

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: ON CONCRETE OUTSIDE RW-2
REMARKS: LOW LEVEL ANALYSIS

Laboratory Reagent Blank - Exceeded Acceptance limits
Laboratory Fortified Blank was not analyzed with this batch of samples

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification RW-2-05
Requested By Tony Rushing Data To T Rushing
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By K. Whitten
Where Taken On Concrete outside RW-2

	Type	Parameters	Preservative	Date	Time
1.	water	Semivolatiles	None	2/10/10	1010
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 Davis Date 2/11/10 Time 1215
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

3858 43417 5124 to 5

Sample Report

Sample Name	aa43417
Data File Name	020SMPL.D
DataPath	C:\ICPMH\1\DATA\0217103.b
Acq Date Time	2010-02-17T12:31:15-06:00
Type	Sample
VialNumber	2108
Dilution	1
Comment	
Operator	L. Cobb
ISTDRefDataFileName	001CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Fe	57	45	1	71090.97	71090.97	ppb	180000	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Sc	45	1	82591	6.05	109001	75.8	60	125	
Sc	45	2	5457423	15.19	6031141	90.5	60	125	
Y	89	1	552376	5.01	651782	84.7	60	125	
Y	89	2	6616611	14.60	6653228	99.4	60	125	
In	115	1	523650	4.25	663719	78.9	60	125	
In	115	2	4302890	15.60	4649309	92.5	60	125	
Tb	159	2	4873186	15.50	4968185	98.1	60	125	
Ho	165	2	4462587	15.68	4498194	99.2	60	125	
Bi	209	1	1012740	4.38	1208602	83.8	60	125	
Bi	209	2	2079286	15.83	2147770	96.8	60	125	

TuneStep	TuneFile
1	he.u
2	nogas.u

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

Sample ID:	AA43418
Location Name:	GULF STATE CREOSOTE
Location Description:	RW-2-IS
Location Code:	C0350009
Other No.:	RW-2-IS
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	1025
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
Iron, Total	200.8	61700	ug/L	100	LCOBB

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: WATER INSIDE WELL VAULT

Laboratory Reagent Blank - Exceeded Acceptance limits
Laboratory Fortified Blank was not analyzed with this batch of samples

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification RW-2-IS
Requested By Tony Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By K. Whitten
Where Taken water onsite well Vault

	Type	Parameters	Preservative	Date	Time
1.	water	Iron	HNO3	2/10/10	1025
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 2/11/10 Time 1215
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

3858

43418 43417 TS

Sample Report

Sample Name	aa43418
Data File Name	021SMPL.D
DataPath	C:\ICPMH\1\DATA\0217103.b
Acq Date Time	2010-02-17T12:36:00-06:00
Type	Sample
VialNumber	2109
Dilution	1
Comment	
Operator	L. Cobb
ISTDRefDataFileName	001CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Fe	57	45	1	61676.42	61676.42	ppb	180000	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Sc	45	1	85068	1.58	109001	78.0	60	125	
Sc	45	2	5187428	6.85	6031141	86.0	60	125	
Y	89	1	552957	0.94	651782	84.8	60	125	
Y	89	2	6187537	6.83	6653228	93.0	60	125	
In	115	1	535243	0.71	663719	80.6	60	125	
In	115	2	4048616	7.03	4649309	87.1	60	125	
Tb	159	2	4585911	7.24	4968185	92.3	60	125	
Ho	165	2	4170334	7.23	4498194	92.7	60	125	
Bi	209	1	1028831	0.73	1208602	85.1	60	125	
Bi	209	2	1933003	7.44	2147770	90.0	60	125	

TuneStep	TuneFile
1	he.u
2	nogas.u

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

Sample ID:	AA43419
Location Name:	GULF STATE CREOSOTE
Location Description:	RW-14-IS
Location Code:	C0350009
Other No.:	RW-14-IS
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	02/10/2010
Time Collected:	1035
Sample Collector:	KWHITTEN
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	02/11/2010
Time Received at Lab:	1215

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
Iron, Total	200.8	135000	ug/L	100	LCOBB

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: WATER INSIDE WELL VAULT

Laboratory Reagent Blank - Exceeded Acceptance limits
Laboratory Fortified Blank was not analyzed with this batch of samples

Sample Validation Date 02/24/2010

Validated By

Date Report Printed 02/24/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name GSC
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/11/10
Sample Point Identification RW-14-IS
Requested By Tony Russell Data To T. Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By K. Whitten
Where Taken water inside well vault

	Type	Parameters	Preservative	Date	Time
1.	Water	Iron	HNO3	2/10/10	1035
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 2/10/10 Time 1215
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

3858

43419 43418 TS

Sample Report

Sample Name	**aa43419 1:10**
Data File Name	**024SMPL.D**
DataPath	**C:\ICPMH\1\DATA\0217103.b**
Acq Date Time	**2010-02-17T12:50:14-06:00**
Type	**Sample**
VialNumber	**2112**
Dilution	**1**
Comment	
Operator	**L. Cobb**
ISTDRefDataFileName	**001CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Fe	57	45	1	13538.54	13538.54	ppb	180000	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Sc	45	1	90529	0.56	109001	83.1	60	125	
Sc	45	2	5404483	2.31	6031141	89.6	60	125	
Y	89	1	585013	0.60	651782	89.8	60	125	
Y	89	2	6386151	2.28	6653228	96.0	60	125	
In	115	1	578598	0.46	663719	87.2	60	125	
In	115	2	4291149	2.17	4649309	92.3	60	125	
Tb	159	2	4694002	2.36	4968185	94.5	60	125	
Ho	165	2	4268951	1.67	4498194	94.9	60	125	
Bi	209	1	1114820	0.54	1208602	92.2	60	125	
Bi	209	2	2096851	1.46	2147770	97.6	60	125	

TuneStep	TuneFile
1	he.u
2	nogas.u

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

Chain of Custody Record

#2 3858

PROJECT NAME: GSC - Gardouk Creek

PROJECT LOCATION: Hattiesburg

REMARKS: RUSH

DATA TO: T. Russell

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

Sampler
A. Ken Whitten
B. Tony Russell
C.

SAMPLE ID	Sample Type	2010 Date	Time	Comp	Grab	DESCRIPTION	TOTAL CONTAINERS	VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE	Iron				TAG NO./REMARKS:	Custody Seals Intact at Lab	Seals Not Intact upon Receipt by Lab	LAB USE ONLY
							ANALYSIS (Circle/Add parameter desired. List no. of containers submitted.)																	
SW-1	1	2-10	0755		X	Surface Wtr	1		1															43410
SW-2	1	2-10	0803		X	Surface Wtr	1		1															43411
SW-3	1	2-10	0810		X	Surface Wtr	1		1															43412
SD-1	6	2-10	0835		X	Sediment	1		1															43413
SD-2	6	2-10	0842		X	Sediment	1		1															43414
SD-3	6	2-10	0852		X	Sediment	1		1															43415
RW-14-OS		2-10	1002		X	Water outside well on concrete	1									1								43416
RW-2-OS		2-10	1010		X	water outside well on concrete	1									1								43417
RW-2-IS		2-10	1025		X	water inside well vault	1									1								43418
RW-14-IS		2-10	1035		X	water inside well vault	1									1								43419

Temp. 10°C

RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)
Tony Russell	Tony Russell	2/11/10 1215	Tammy Sawyer	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)

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. AA43410
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **07:55**
Lab submittal time: **12:25**

Division Code: **3858**

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

Analyses ordered	Method	Due Date
SEMIVOL ORG COMPOUNDS	8270	03/29/2010
SEMIVOL ORG COMPOUNDS SURROGATES	8270	03/29/2010
Extract For Semi-Volatile Analysis	3520	02/17/2010

Sample I.D. AA43411
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **08:03**
Lab submittal time: **12:25**

Division Code: **3858**

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	03/29/2010
SEMIVOL ORG COMPOUNDS SURROGATES	8270	03/29/2010
Extract For Semi-Volatile Analysis	3520	02/17/2010

Sample I.D. AA43412
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **08:10**
Lab submittal time: **12:25**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **SW-3**
SAMPLE_LOCATION **SW-3**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
SEMIVOL ORG COMPOUNDS	8270	03/29/2010
SEMIVOL ORG COMPOUNDS SURROGATES	8270	03/29/2010
Extract For Semi-Volatile Analysis	3520	02/17/2010

Sample I.D. AA43413
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **08:35**
Lab submittal time: **12:25**

Division Code: **3858**

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

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	04/05/2010
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	04/05/2010
Extract For Semi-Volatile Analysis	3520	02/24/2010

Sample I.D. AA43414
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **08:42**
Lab submittal time: **12:25**

Division Code: **3858**

Sample I.D. AA43414 (continued):

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **SD-2**
SAMPLE_LOCATION **SD-2**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	04/05/2010
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	04/05/2010
Extract For Semi-Volatile Analysis	3520	02/24/2010

Sample I.D. AA43415
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **08:52**
Lab submittal time: **12:25**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **SD-3**
SAMPLE_LOCATION **SD-3**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	04/05/2010
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	04/05/2010
Extract For Semi-Volatile Analysis	3520	02/24/2010

Sample I.D. AA43416
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **10:02**
Lab submittal time: **12:25**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **RW-14-05**
SAMPLE_LOCATION **RW-14-05**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____

Sample I.D. AA43416 (continued):

LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
Iron, Total Method	200.8	03/10/2010

Sample I.D. AA43417
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **10:10**
Lab submittal time: **12:25**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **RW-2-05**
SAMPLE_LOCATION **RW-2-05**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
Iron, Total Method	200.8	03/10/2010

Sample I.D. AA43418
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **10:25**
Lab submittal time: **12:25**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **RW-2-IS**
SAMPLE_LOCATION **RW-2-IS**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
Iron, Total Method	200.8	03/10/2010

Sample I.D. **AA43419**
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **KWHITTEN**
Collection date: **02/10/2010**
Lab submittal date: **02/11/2010**
Due date: **08/09/2010**
PONUMB: _____

Login record file: **100211005**

Collection time: **10:35**
Lab submittal time: **12:25**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **RW-14-IS**
SAMPLE_LOCATION **RW-14-IS**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
Iron, Total Method	200.8	03/10/2010

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

Received by: _____

3858

Chain of Custody Record

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

PROJECT NAME: GSC - Fill Area

PROJECT LOCATION: Hattiesburg

REMARKS: RUSH

DATA TO: T Russell

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

Sampler
A. Tony Russell
B.
C.

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

SAMPLE ID	Sample Type	2010 Date	Time	Comp	Grab	DESCRIPTION	TOTAL CONTAINERS	VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE	TAG NO./REMARKS:	Custody Seals Intact at Lab	Seals Not Intact upon Receipt by Lab	LAB USE ONLY
OF1	1	2/17	0750		X	outfall to Gordon Creek	1		1										43454
WP Ditch	1	2/17	0805		X	West Pine Ditch	1		1										43455

Temp. 0.5°C TS

RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (PRINT)	RECEIVED BY: (PRINT)
Tony Russell	2/17/10 0955	Tammy Sawyer			
(SIGN) Tony Russell		(SIGN) Tammy Sawyer		(SIGN)	(SIGN)
RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (PRINT)	RECEIVED BY: (PRINT)
(SIGN)		(SIGN)		(SIGN)	(SIGN)

DISTRIBUTIONS: White and Yellow copies accompany sample shipment to laboratory; Yellow copy retained by laboratory

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	Method	Due Date
SEMIVOL ORG COMPOUNDS	8270	04/05/2010
SEMIVOL ORG COMPOUNDS SURROGATES	8270	04/05/2010
Extract For Semi-Volatile Analysis	3520	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	Method	Due Date
SEMIVOL ORG COMPOUNDS	8270	04/05/2010
SEMIVOL ORG COMPOUNDS SURROGATES	8270	04/05/2010
Extract For Semi-Volatile Analysis	3520	02/24/2010

Please refer to the indicated sample I.D. numbers whan 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:	
Sample ID:	AA43254	QA Type:	
Location Name:	GULF STATE CREOSOTE	Division Code:	3858
Location Description:	FA-SW 1	Requested By:	TONY RUSSELL
		Date Collected:	01/26/2010
Location Code:	C0350009	Time Collected:	705
Other No.:	FA-SW 1	Sample Collector:	TRUSSELL
Permit No.:		Delivery Mode:	SV
Discharge No.:		Received at Lab by:	TAMMY SAWYER
Master AI No.:	0	Date Received at Lab:	01/27/2010
Latitude:		Time Received at Lab:	1115
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	<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	Trace 1.60	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	91	%	10-123	JSHELL
2-Fluorobiphenyl	8270	91	%	43-116	JSHELL
2-Fluorophenol	8270	73	%	21-100	JSHELL
Nitrobenzene-d5	8270	85	%	35-114	JSHELL
Phenol-d5	8270	80	%	10-194	JSHELL
Terphenyl-d14	8270	75	%	33-141	JSHELL

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: GORDONS CREEK DOWNSTREAM OF WALL
REMARKS: LOW LEVEL

bis(2-Ethylhexyl)phthalate was detected in Laboratory Blank. JES

Sample Validation Date 02/05/2010

Validated By

Date Report Printed 02/11/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Access DHL
County Code Forrest NPDES Permit No. 27
Discharge No. _____ Date Requested 1/26/10
Sample Point Identification FA-5 W1
Requested By Tony Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T. Russell
Where Taken Gordons Creek - downstream of WAL

	Type	Parameters	Preservative	Date	Time
1.	Surface water	Gen'l - VOCs	None	1/26/10	0705
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 ( ) Rd Vehicle ( ) Other ( )
V. LABORATORY: Received By Tammy Davis Date 1/27/10 Time 405
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 Lab Tested

*Date of Test Initiation

#3858

43254

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA005.D
Acq On : 4 Feb 2010 5:02 pm
Operator : J. Shell
Sample : aa43254
Misc : 10-008 (water for S-V)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 12:38:08 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.077	152	875156	40.00	ug/ml	-0.02
16) Naphthalene-d8	14.268	136	3199225	40.00	ug/ml	-0.02
31) Acenaphthene-d10	18.845	164	1792322	40.00	ug/ml	-0.01
51) Phenanthrene-d10	22.740	188	3435553	40.00	ug/ml	-0.02
62) Chyrsene-d12	30.290	240	3536891	40.00	ug/ml	-0.05
70) Perylene-d12	37.887	264	3166038	40.00	ug/ml	-0.05
System Monitoring Compounds						
2) 2-Fluorophenol	8.010	112	2564073	72.74	ug/ml	-0.01
Spiked Amount 100.000	Range 21 - 100		Recovery = 72.74%			
3) Phenol-d5	10.260	99	2950977	79.99	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 79.99%			
17) Nitrobenzene-d5	12.464	82	1370472	42.44	ug/ml	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery = 84.88%			
35) 2-Fluorobiphenyl	17.129	172	2569506	45.51	ug/ml	-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 91.02%			
54) 2,4,6-Tribromophenol	20.919	330	664994	91.40	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 91.40%			
64) Terphenyl-d14	26.988	244	2931134	37.63	ug/ml	-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 75.26%			
Target Compounds						Qvalue
4) Phenol	10.296	94	2448	N.D.		
5) bis(2-Chloroethyl)ether	10.495	93	107	N.D.		
6) 2-Chlorophenol	10.572	128	135	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	11.459	108	1794	N.D.		
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.		
11) 2-Methylphenol	11.459	108	1794	N.D.		
12) bis(2-chloroisopropyl)...	11.847	45	200	N.D.		
13) 4-Methylphenol	12.170	107	15368	N.D.		
14) n-Nitroso-di-n-propyla...	12.123	70	4006	N.D.		
15) Hexachloroethane	12.282	117	108	N.D.		
18) Nitrobenzene	12.464	77	5236	N.D.		
19) Isophorone	13.139	82	6902	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA005.D
Acq On : 4 Feb 2010 5:02 pm
Operator : J. Shell
Sample : aa43254
Misc : 10-008 (water for S-V)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 12:38:08 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 2-Nitrophenol	13.128	139	147	N.D.		
21) 2,4-Dimethylphenol	13.515	122	17356	N.D.		
22) bis(2-Chloroethoxy)met...	13.756	93	178	N.D.		
23) 2,4-Dichlorophenol	0.000	162	0	N.D.		
24) Benzoic Acid	13.839	122	9234	N.D.		
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.		
26) Naphthalene	14.320	128	28381	N.D.		
27) 4-Chloroaniline	14.414	127	119	N.D.		
28) Hexachlorobutadiene	0.000	225	0	N.D.		
29) 4-Chloro-3-methylphenol	15.807	107	922	N.D.		
30) 2-Methylnaphthalene	16.124	142	1812	N.D.		
32) Hexachlorocyclopentadiene	0.000	237	0	N.D.		
33) 2,4,6-Trichlorophenol	16.882	196	55	N.D.		
34) 2,4,5-Trichlorophenol	16.882	196	55	N.D.		
36) 2-Chloronaphthalene	17.370	162	55	N.D.		
37) 2-Nitroaniline	17.722	65	210	N.D.		
38) Dimethylphthalate	18.457	163	2357	N.D.		
39) Acenaphthylene	18.445	152	823	N.D.		
40) 2,6-Dinitrotoluene	18.339	165	627	N.D.		
41) 3-Nitroaniline	17.746	138	140	N.D.		
42) Acenaphthene	18.921	154	1692	N.D.		
43) 2,4-Dinitrophenol	0.000	184	0	N.D.		
44) 4-Nitrophenol	19.244	109	822	N.D.		
45) Dibenzofuran	19.368	168	1712	N.D.		
46) 2,4-Dinitrotoluene	19.403	165	230	N.D.		
47) Diethylphthalate	20.096	149	6192	N.D.		
48) Fluorene	20.272	166	2150	N.D.		
49) 4-Chlorophenyl-phenyle...	20.319	204	55	N.D.		
50) 4-Nitroaniline	20.437	138	202	N.D.		
52) 4,6-Dinitro-2-methylph...	20.907	198	1932	N.D.		
53) n-Nitrosodiphenylamine	20.907	169	25794	N.D.		
55) 4-Bromophenyl-phenylether	0.000	248	0	N.D.		
56) Hexachlorobenzene	0.000	284	0	N.D.		
57) Pentachlorophenol	22.252	266	72	N.D.		
58) Phenanthrene	22.781	178	2986	N.D.		
59) Anthracene	22.922	178	1499	N.D.		
60) Di-n-butylphthalate	24.397	149	32693	N.D.		
61) Fluoranthene	25.889	202	2195	N.D.		
63) Pyrene	26.471	202	2037	N.D.		
65) Butylbenzylphthalate	28.434	149	21675	N.D.		
66) Benzo[a]anthracene	30.290	228	9864	N.D.		
67) 3,3'-Dichlorobenzidine	0.000	252	0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA005.D
Acq On : 4 Feb 2010 5:02 pm
Operator : J. Shell
Sample : aa43254
Misc : 10-008 (water for S-V)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 12:38:08 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

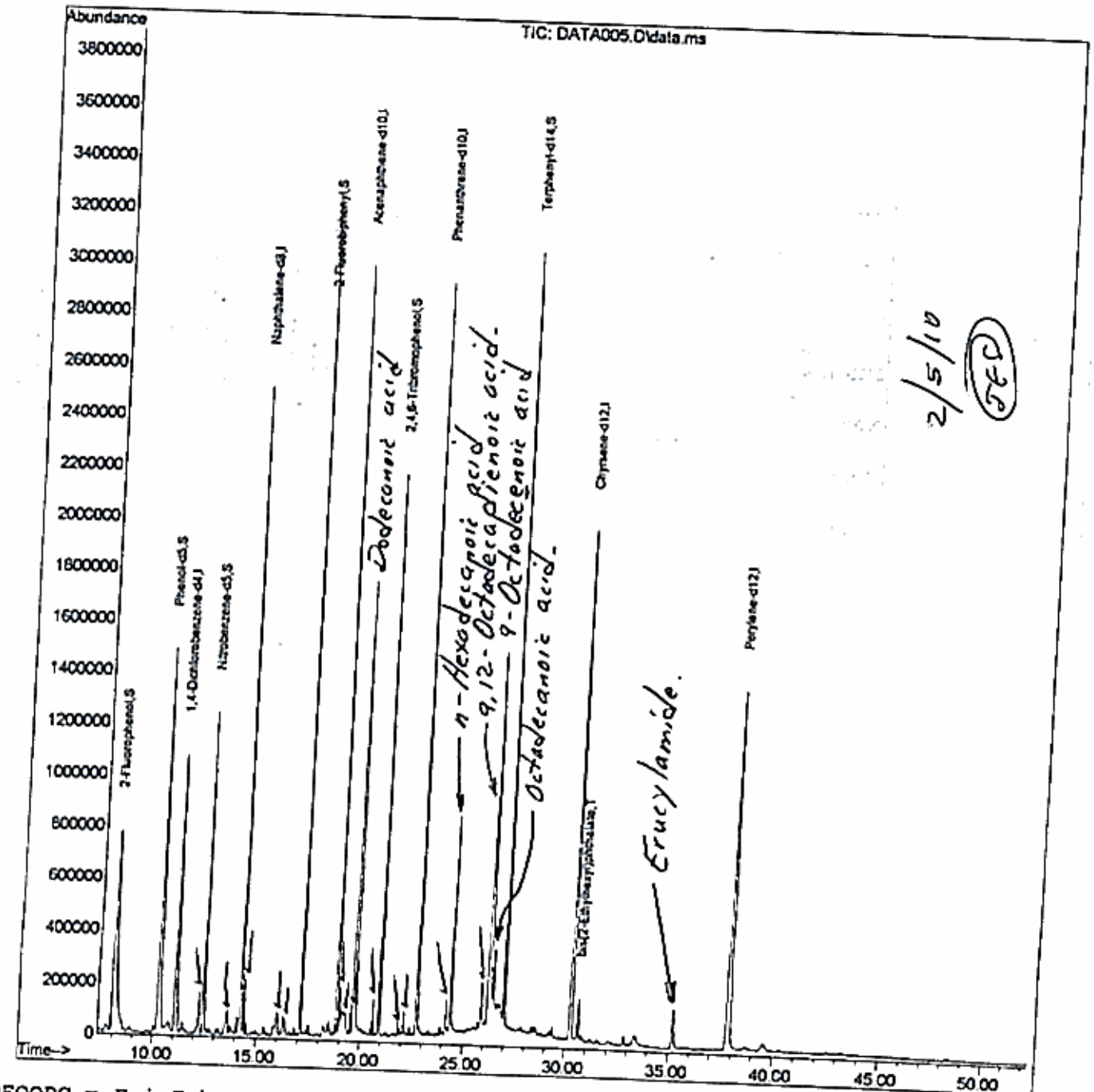
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chyrsene	30.361	228	377	N.D.	
69) bis(2-Ethylhexyl)phtha...	30.631	149	135299	1.60 ug/ml	96
71) Di-n-octylphthalate	34.103	149	259	N.D.	
72) Benzo[b]fluoranthene	35.725	252	111	N.D.	
73) Benzo[k]fluoranthene	35.725	252	111	N.D.	
74) Benzo[a]pyrene	37.899	252	10731	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	0.000	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA005.D
Acq On : 4 Feb 2010 5:02 pm
Operator : J. Shell
Sample : aa43254
Misc : 10-008 (water for S-V)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 12:38:08 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 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

Sample ID:	AA43255
Location Name:	GULF STATE CREOSOTE
Location Description:	FA-SW 2
Location Code:	C0350009
Other No.:	FA-SW 2
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	01/26/2010
Time Collected:	709
Sample Collector:	TRUSSELL
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	01/27/2010
Time Received at Lab:	1115

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

3-Nitroaniline	<MQL	µg/L	50.00	JSHELL
4,6-Dinitro-2-methylphenol	<MQL	µg/L	50.00	JSHELL
4-Bromophenyl-phenylether	<MQL	µg/L	10.00	JSHELL
4-Chloro-3-methylphenol	<MQL	µg/L	20.00	JSHELL
4-Chloroaniline	<MQL	µg/L	20.00	JSHELL
4-Chlorophenyl-phenylether	<MQL	µg/L	10.00	JSHELL
4-Methylphenol	<MQL	µg/L	10.00	JSHELL
4-Nitroaniline	<MQL	µg/L	50.00	JSHELL
4-Nitrophenol	<MQL	µg/L	50.00	JSHELL
Acenaphthene	<MQL	µg/L	10.00	JSHELL
Acenaphthylene	<MQL	µg/L	10.00	JSHELL
Anthracene	<MQL	µg/L	10.00	JSHELL
Benzo[a]anthracene	<MQL	µg/L	10.00	JSHELL
Benzo[a]pyrene	<MQL	µg/L	10.00	JSHELL
Benzo[b]fluoranthene	<MQL	µg/L	10.00	JSHELL
Benzo[g,h,i]perylene	<MQL	µg/L	20.00	JSHELL
Benzo[k]fluoranthene	<MQL	µg/L	10.00	JSHELL
Benzoic Acid	<MQL	µg/L	50.00	JSHELL
Benzyl alcohol	<MQL	µg/L	20.00	JSHELL
bis(2-Chloroethoxy)methane	<MQL	µg/L	10.00	JSHELL
bis(2-Chloroethyl)ether	<MQL	µg/L	10.00	JSHELL
bis(2-chloroisopropyl)ether	<MQL	µg/L	10.00	JSHELL
bis(2-Ethylhexyl)phthalate	Trace 2.47	µg/L	10.00	JSHELL
Butylbenzylphthalate	<MQL	µg/L	10.00	JSHELL
Carbazole	<MQL	µg/L	10.00	JSHELL
Chrysene	<MQL	µg/L	10.00	JSHELL
Dibenz[a,h]anthracene	<MQL	µg/L	20.00	JSHELL
Dibenzofuran	<MQL	µg/L	10.00	JSHELL
Diethylphthalate	<MQL	µg/L	10.00	JSHELL
Dimethylphthalate	<MQL	µg/L	10.00	JSHELL
Di-n-butylphthalate	<MQL	µg/L	10.00	JSHELL
Di-n-octylphthalate	<MQL	µg/L	10.00	JSHELL
Fluoranthene	<MQL	µg/L	10.00	JSHELL
Fluorene	<MQL	µg/L	10.00	JSHELL
Hexachlorobenzene	<MQL	µg/L	10.00	JSHELL
Hexachlorobutadiene	<MQL	µg/L	10.00	JSHELL
Hexachlorocyclopentadiene	<MQL	µg/L	10.00	JSHELL
Hexachloroethane	<MQL	µg/L	20.00	JSHELL
Indeno[1,2,3-cd]pyrene	<MQL	µg/L	20.00	JSHELL
Isophorone	<MQL	µg/L	10.00	JSHELL
Naphthalene	<MQL	µg/L	10.00	JSHELL
Nitrobenzene	<MQL	µg/L	10.00	JSHELL

N-Nitroso-di-n-propylamine	<MQL	µg/L	20.00	JSHELL
n-Nitrosodiphenylamine	<MQL	µg/L	20.00	JSHELL
Pentachlorophenol	<MQL	µg/L	50.00	JSHELL
Phenanthrene	<MQL	µg/L	10.00	JSHELL
Phenol	<MQL	µg/L	10.00	JSHELL
Pyrene	<MQL	µg/L	10.00	JSHELL
2,4,6-Tribromophenol	87	%	10-123	JSHELL
2-Fluorobiphenyl	89	%	43-116	JSHELL
2-Fluorophenol	72	%	21-100	JSHELL
Nitrobenzene-d5	83	%	35-114	JSHELL
Phenol-d5	78	%	10-194	JSHELL
Terphenyl-d14	71	%	33-141	JSHELL
Extract For Semi-Volatile Analysis	PENDING			LJANES

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 AT WALL
REMARKS: LOW LEVEL

bis(2-Ethylhexyl)phthalate was detected in Laboratory Blank. JES

Sample Validation Date 02/05/2010

Validated By

Date Report Printed 02/11/2010

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 1-26-10
Sample Point Identification EA-SW2
Requested By Tony Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken Gordon Creek - At WWL

	Type	Parameters	Preservative	Date	Time
1.	Surface water	Semi-VOC's	None	1/26/10	0709
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 Amy Dwyer Date 1/27/10 Time 1115
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 low level

*Date of Test Initiation

#3858

43255

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA006.D
Acq On : 4 Feb 2010 6:08 pm
Operator : J. Shell
Sample : aa43255
Misc : 10-008 (water for S-V)
ALS Vial : 6 Sample Multiplier: 1

2/5/10 JS

Quant Time: Feb 05 12:50:27 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.083	152	857992	40.00 ug/ml	-0.01
16) Naphthalene-d8	14.267	136	3144084	40.00 ug/ml	-0.02
31) Acenaphthene-d10	18.839	164	1754287	40.00 ug/ml	-0.02
51) Phenanthrene-d10	22.734	188	3355915	40.00 ug/ml	-0.02
62) Chyrsene-d12	30.284	240	3425122	40.00 ug/ml	-0.06
70) Perylene-d12	37.875	264	3012016	40.00 ug/ml	-0.06
System Monitoring Compounds					
2) 2-Fluorophenol	8.010	112	2493144	72.15 ug/ml	-0.01
Spiked Amount 100.000	Range 21 - 100		Recovery = 72.15%		
3) Phenol-d5	10.260	99	2832975	78.33 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 78.33%		
17) Nitrobenzene-d5	12.464	82	1322204	41.67 ug/ml	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery = 83.34%		
35) 2-Fluorobiphenyl	17.129	172	2464593	44.60 ug/ml	-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 89.20%		
54) 2,4,6-Tribromophenol	20.913	330	618294	87.00 ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 87.00%		
64) Terphenyl-d14	26.988	244	2677228	35.49 ug/ml	-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 70.98%		
Target Compounds					Qvalue
4) Phenol	10.284	94	1537	N.D.	
5) bis(2-Chloroethyl)ether	10.519	93	560	N.D.	
6) 2-Chlorophenol	10.578	128	75	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	11.465	108	748	N.D.	
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.	
11) 2-Methylphenol	11.465	108	748	N.D.	
12) bis(2-chloroisopropyl)...	11.806	45	113	N.D.	
13) 4-Methylphenol	12.170	107	10494	N.D.	
14) n-Nitroso-di-n-propyla...	12.117	70	9051	N.D.	
15) Hexachloroethane	12.299	117	63	N.D.	
18) Nitrobenzene	12.464	77	5176	N.D.	
19) Isophorone	13.139	82	6657	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA006.D
Acq On : 4 Feb 2010 6:08 pm
Operator : J. Shell
Sample : aa43255
Misc : 10-008 (water for S-V)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:50:27 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units Dev(Min)
20) 2-Nitrophenol	13.151	139	53	N.D.
21) 2,4-Dimethylphenol	13.509	122	11616	N.D.
22) bis(2-Chloroethoxy)met...	13.739	93	237	N.D.
23) 2,4-Dichlorophenol	0.000	162	0	N.D.
24) Benzoic Acid	13.985	122	775	N.D.
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.
26) Naphthalene	14.320	128	24484	N.D.
27) 4-Chloroaniline	14.661	127	231	N.D.
28) Hexachlorobutadiene	0.000	225	0	N.D.
29) 4-Chloro-3-methylphenol	15.789	107	716	N.D.
30) 2-Methylnaphthalene	16.118	142	1672	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	17.311	162	353	N.D.
37) 2-Nitroaniline	17.710	65	166	N.D.
38) Dimethylphthalate	18.457	163	2637	N.D.
39) Acenaphthylene	18.445	152	884	N.D.
40) 2,6-Dinitrotoluene	18.327	165	556	N.D.
41) 3-Nitroaniline	17.740	138	60	N.D.
42) Acenaphthene	18.921	154	1466	N.D.
43) 2,4-Dinitrophenol	0.000	184	0	N.D.
44) 4-Nitrophenol	19.262	109	570	N.D.
45) Dibenzofuran	19.027	168	531	N.D.
46) 2,4-Dinitrotoluene	19.373	165	211	N.D.
47) Diethylphthalate	20.090	149	6150	N.D.
48) Fluorene	20.260	166	1636	N.D.
49) 4-Chlorophenyl-phenyle...	20.625	204	790	N.D.
50) 4-Nitroaniline	20.431	138	251	N.D.
52) 4,6-Dinitro-2-methylph...	20.919	198	1650	N.D.
53) n-Nitrosodiphenylamine	20.907	169	23824	N.D.
55) 4-Bromophenyl-phenylether	0.000	248	0	N.D.
56) Hexachlorobenzene	0.000	284	0	N.D.
57) Pentachlorophenol	0.000	266	0	N.D.
58) Phenanthrene	22.793	178	2490	N.D.
59) Anthracene	22.916	178	1842	N.D.
60) Di-n-butylphthalate	24.397	149	35854	N.D.
61) Fluoranthene	25.948	202	173	N.D.
63) Pyrene	26.483	202	1266	N.D.
65) Butylbenzylphthalate	28.433	149	19763	N.D.
66) Benzo[a]anthracene	30.290	228	9171	N.D.
67) 3,3'-Dichlorobenzidine	0.000	252	0	N.D.

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA006.D
Acq On : 4 Feb 2010 6:08 pm
Operator : J. Shell
Sample : aa43255
Misc : 10-008 (water for S-V)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:50:27 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

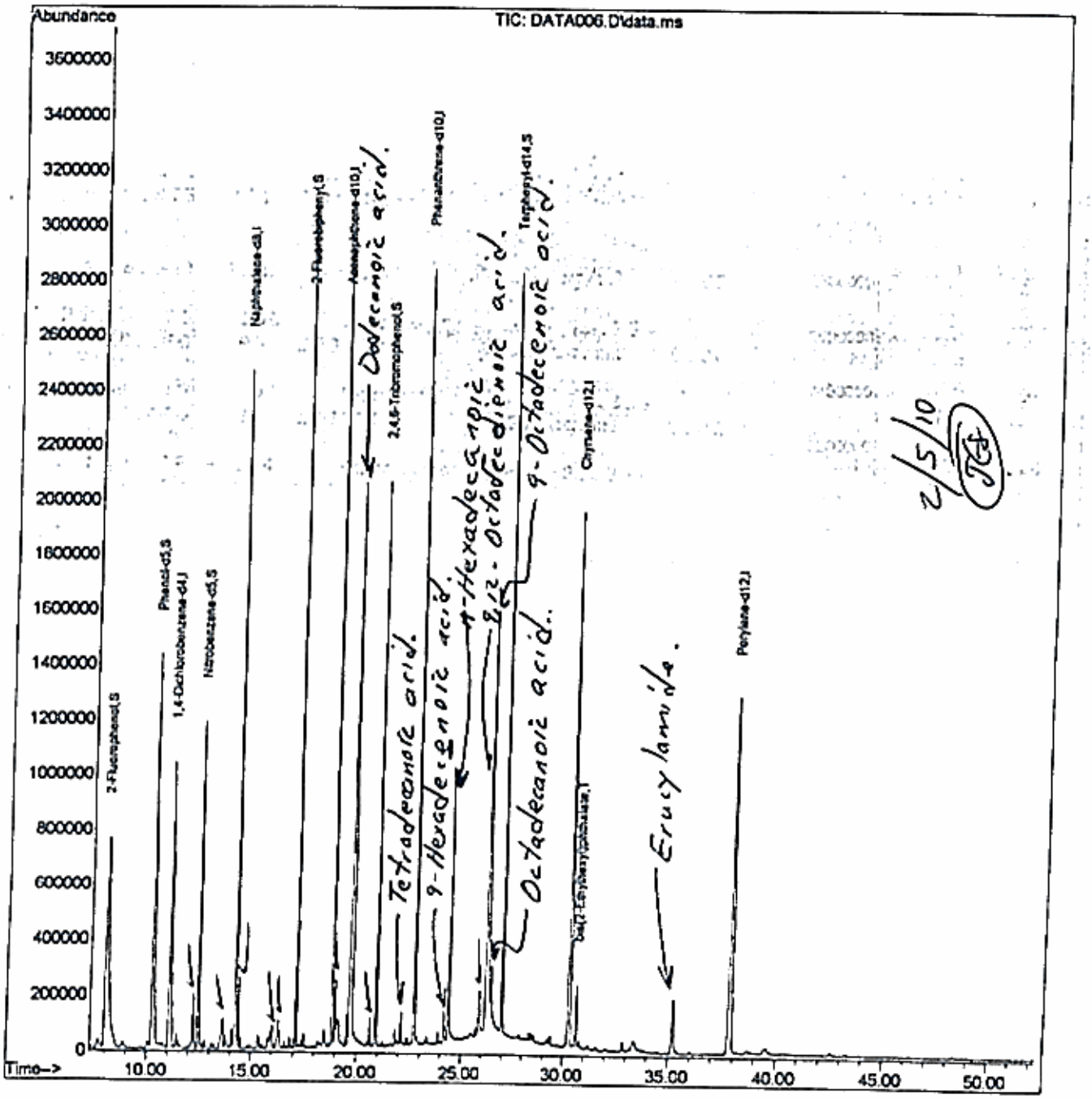
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chyrsene	30.378	228	315	N.D.	
69) bis(2-Ethylhexyl)phtha...	30.625	149	202643	2.47 ug/ml	98
71) Di-n-octylphthalate	34.062	149	439	N.D.	
72) Benzo[b]fluoranthene	35.854	252	61	N.D.	
73) Benzo[k]fluoranthene	35.854	252	61	N.D.	
74) Benzo[a]pyrene	37.881	252	9002	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	0.000	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA006.D
Acq On : 4 Feb 2010 6:08 pm
Operator : J. Shell
Sample : aa43255
Misc : 10-008 (water for S-V)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:50:27 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 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

Sample ID:	AA43256
Location Name:	GULF STATE CREOSOTE
Location Description:	FA-SW 3
Location Code:	C0350009
Other No.:	FA-SW 3
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	01/26/2010
Time Collected:	715
Sample Collector:	TRUSSELL
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	01/27/2010
Time Received at Lab:	1115

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

3-Nitroaniline	<MQL	µg/L	50.00	JSHELL
4,6-Dinitro-2-methylphenol	<MQL	µg/L	50.00	JSHELL
4-Bromophenyl-phenylether	<MQL	µg/L	10.00	JSHELL
4-Chloro-3-methylphenol	<MQL	µg/L	20.00	JSHELL
4-Chloroaniline	<MQL	µg/L	20.00	JSHELL
4-Chlorophenyl-phenylether	<MQL	µg/L	10.00	JSHELL
4-Methylphenol	<MQL	µg/L	10.00	JSHELL
4-Nitroaniline	<MQL	µg/L	50.00	JSHELL
4-Nitrophenol	<MQL	µg/L	50.00	JSHELL
Acenaphthene	<MQL	µg/L	10.00	JSHELL
Acenaphthylene	<MQL	µg/L	10.00	JSHELL
Anthracene	<MQL	µg/L	10.00	JSHELL
Benzo[a]anthracene	<MQL	µg/L	10.00	JSHELL
Benzo[a]pyrene	<MQL	µg/L	10.00	JSHELL
Benzo[b]fluoranthene	<MQL	µg/L	10.00	JSHELL
Benzo[g,h,i]perylene	<MQL	µg/L	20.00	JSHELL
Benzo[k]fluoranthene	<MQL	µg/L	10.00	JSHELL
Benzoic Acid	<MQL	µg/L	50.00	JSHELL
Benzyl alcohol	<MQL	µg/L	20.00	JSHELL
bis(2-Chloroethoxy)methane	<MQL	µg/L	10.00	JSHELL
bis(2-Chloroethyl)ether	<MQL	µg/L	10.00	JSHELL
bis(2-chloroisopropyl)ether	<MQL	µg/L	10.00	JSHELL
bis(2-Ethylhexyl)phthalate	2.04 TRACE	µg/L	10.00	JSHELL
Butylbenzylphthalate	<MQL	µg/L	10.00	JSHELL
Carbazole	<MQL	µg/L	10.00	JSHELL
Chrysene	<MQL	µg/L	10.00	JSHELL
Dibenz[a,h]anthracene	<MQL	µg/L	20.00	JSHELL
Dibenzofuran	<MQL	µg/L	10.00	JSHELL
Diethylphthalate	<MQL	µg/L	10.00	JSHELL
Dimethylphthalate	<MQL	µg/L	10.00	JSHELL
Di-n-butylphthalate	<MQL	µg/L	10.00	JSHELL
Di-n-octylphthalate	<MQL	µg/L	10.00	JSHELL
Fluoranthene	<MQL	µg/L	10.00	JSHELL
Fluorene	<MQL	µg/L	10.00	JSHELL
Hexachlorobenzene	<MQL	µg/L	10.00	JSHELL
Hexachlorobutadiene	<MQL	µg/L	10.00	JSHELL
Hexachlorocyclopentadiene	<MQL	µg/L	10.00	JSHELL
Hexachloroethane	<MQL	µg/L	20.00	JSHELL
Indeno[1,2,3-cd]pyrene	<MQL	µg/L	20.00	JSHELL
Isophorone	<MQL	µg/L	10.00	JSHELL
Naphthalene	<MQL	µg/L	10.00	JSHELL
Nitrobenzene	<MQL	µg/L	10.00	JSHELL

N-Nitroso-di-n-propylamine	<MQL	µg/L	20.00	JSHELL
n-Nitrosodiphenylamine	<MQL	µg/L	20.00	JSHELL
Pentachlorophenol	<MQL	µg/L	50.00	JSHELL
Phenanthrene	<MQL	µg/L	10.00	JSHELL
Phenol	<MQL	µg/L	10.00	JSHELL
Pyrene	<MQL	µg/L	10.00	JSHELL
2,4,6-Tribromophenol	91	%	10-123	JSHELL
2-Fluorobiphenyl	89	%	43-116	JSHELL
2-Fluorophenol	74	%	21-100	JSHELL
Nitrobenzene-d5	85	%	35-114	JSHELL
Phenol-d5	81	%	10-194	JSHELL
Terphenyl-d14	76	%	33-141	JSHELL
Extract For Semi-Volatile Analysis	Completed			LJANES

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 UPSTREAM OF WALL
REMARKS: LOW LEVEL

bis(2-Ethylhexyl)phthalate was detected in Laboratory Blank. JES

Sample Validation Date 02/11/2010

Validated By

Date Report Printed 02/11/2010

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 1/27/10
Sample Point Identification FA-SW3
Requested By Tony Russell Data To T. Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T. Russell
Where Taken Goodwin Creek - Upstream of WWTF

	Type	Parameters	Preservative	Date	Time
1.	Surface Water	Semi VOCs	None	1/26/10	0715
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 Jenny Davis Date 1/27/10 Time 1115
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 low level

*Date of Test Initiation dt3858

43254

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA007.D
Acq On : 4 Feb 2010 7:14 pm
Operator : J. Shell
Sample : aa43256
Misc : 10-008 (water for S-V)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 15:38:22 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.083	152	877657	40.00 ug/ml	-0.01
16) Naphthalene-d8	14.267	136	3238813	40.00 ug/ml	-0.02
31) Acenaphthene-d10	18.839	164	1817196	40.00 ug/ml	-0.02
51) Phenanthrene-d10	22.734	188	3472446	40.00 ug/ml	-0.02
62) Chyrsene-d12	30.284	240	3511378	40.00 ug/ml	-0.06
70) Perylene-d12	37.881	264	3056948	40.00 ug/ml	-0.06
System Monitoring Compounds					
2) 2-Fluorophenol	8.016	112	2617333	74.04 ug/ml	0.00
Spiked Amount 100.000	Range 21 - 100		Recovery = 74.04%		
3) Phenol-d5	10.260	99	2987452	80.75 ug/ml	0.00
Spiked Amount 100.000	Range 10 - 94		Recovery = 80.75%		
17) Nitrobenzene-d5	12.464	82	1381324	42.26 ug/ml	-0.02
Spiked Amount 50.000	Range 35 - 114		Recovery = 84.52%		
35) 2-Fluorobiphenyl	17.129	172	2559105	44.71 ug/ml	-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 89.42%		
54) 2,4,6-Tribromophenol	20.913	330	671982	91.38 ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 91.38%		
64) Terphenyl-d14	26.988	244	2937878	37.99 ug/ml	-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 75.98%		
Target Compounds					Qvalue
4) Phenol	10.290	94	5310	N.D.	
5) bis(2-Chloroethyl)ether	10.513	93	250	N.D.	
6) 2-Chlorophenol	10.548	128	68	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	11.453	108	777	N.D.	
10) 1,2-Dichlorobenzene	0.000	146	0	N.D.	
11) 2-Methylphenol	11.753	108	425	N.D.	
12) bis(2-chloroisopropyl)...	11.853	45	151	N.D.	
13) 4-Methylphenol	12.164	107	10856	N.D.	
14) n-Nitroso-di-n-propyla...	12.129	70	6126	N.D.	
15) Hexachloroethane	12.234	117	1154	N.D.	
18) Nitrobenzene	12.470	77	5600	N.D.	
19) Isophorone	13.133	82	6986	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
Data File : DATA007.D
Acq On : 4 Feb 2010 7:14 pm
Operator : J. Shell
Sample : aa43256
Misc : 10-008 (water for S-V)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 15:38:22 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
20) 2-Nitrophenol	13.133	139	53	N.D.	
21) 2,4-Dimethylphenol	13.515	122	10313	N.D.	
22) bis(2-Chloroethoxy)met...	13.815	93	191	N.D.	
23) 2,4-Dichlorophenol	13.944	162	57	N.D.	
24) Benzoic Acid	13.827	122	3668	N.D.	
25) 1,2,4-Trichlorobenzene	0.000	180	0	N.D.	
26) Naphthalene	14.314	128	3463	N.D.	
27) 4-Chloroaniline	14.350	127	110	N.D.	
28) Hexachlorobutadiene	0.000	225	0	N.D.	
29) 4-Chloro-3-methylphenol	15.789	107	684	N.D.	
30) 2-Methylnaphthalene	16.118	142	337	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	17.305	162	499	N.D.	
37) 2-Nitroaniline	17.705	65	242	N.D.	
38) Dimethylphthalate	18.463	163	2678	N.D.	
39) Acenaphthylene	18.445	152	1165	N.D.	
40) 2,6-Dinitrotoluene	18.333	165	748	N.D.	
41) 3-Nitroaniline	17.734	138	56	N.D.	
42) Acenaphthene	18.915	154	786	N.D.	
43) 2,4-Dinitrophenol	0.000	184	0	N.D.	
44) 4-Nitrophenol	19.244	109	387	N.D.	
45) Dibenzofuran	19.367	168	552	N.D.	
46) 2,4-Dinitrotoluene	19.403	165	214	N.D.	
47) Diethylphthalate	20.096	149	4673	N.D.	
48) Fluorene	20.313	166	111	N.D.	
49) 4-Chlorophenyl-phenyle...	20.619	204	752	N.D.	
50) 4-Nitroaniline	20.419	138	135	N.D.	
52) 4,6-Dinitro-2-methylph...	20.913	198	2116	N.D.	
53) n-Nitrosodiphenylamine	20.913	169	25373	N.D.	
55) 4-Bromophenyl-phenylether	0.000	248	0	N.D.	
56) Hexachlorobenzene	0.000	284	0	N.D.	
57) Pentachlorophenol	22.235	266	70	N.D.	
58) Phenanthrene	22.775	178	167	N.D.	
59) Anthracene	22.993	178	120	N.D.	
60) Di-n-butylphthalate	24.403	149	40249	N.D.	
61) Fluoranthene	25.966	202	57	N.D.	
63) Pyrene	26.471	202	265	N.D.	
65) Butylbenzylphthalate	28.428	149	45967	N.D.	
66) Benzo[a]anthracene	30.284	228	9404	N.D.	
67) 3,3'-Dichlorobenzidine	0.000	252	0	N.D.	

Quantitation Report (QT Reviewed)

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Operator : J. Shell
Sample : aa43256
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ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 15:38:22 2010
Quant Method : C:\msdchem\1\METHODS\DEQOPC.m
Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chyrsene	30.284	228	9404	N.D.	
69) bis(2-Ethylhexyl)phtha...	30.631	149	171484	2.04 ug/ml	99
71) Di-n-octylphthalate	34.109	149	63	N.D.	
72) Benzo[b]fluoranthene	0.000	252	0	N.D.	
73) Benzo[k]fluoranthene	0.000	252	0	N.D.	
74) Benzo[a]pyrene	37.840	252	4504	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	0.000	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\10-008\
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Misc : 10-008 (water for S-V)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 15:38:22 2010
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Quant Title : Semi-Volatile Analysis
QLast Update : Thu Jan 28 13:51:49 2010
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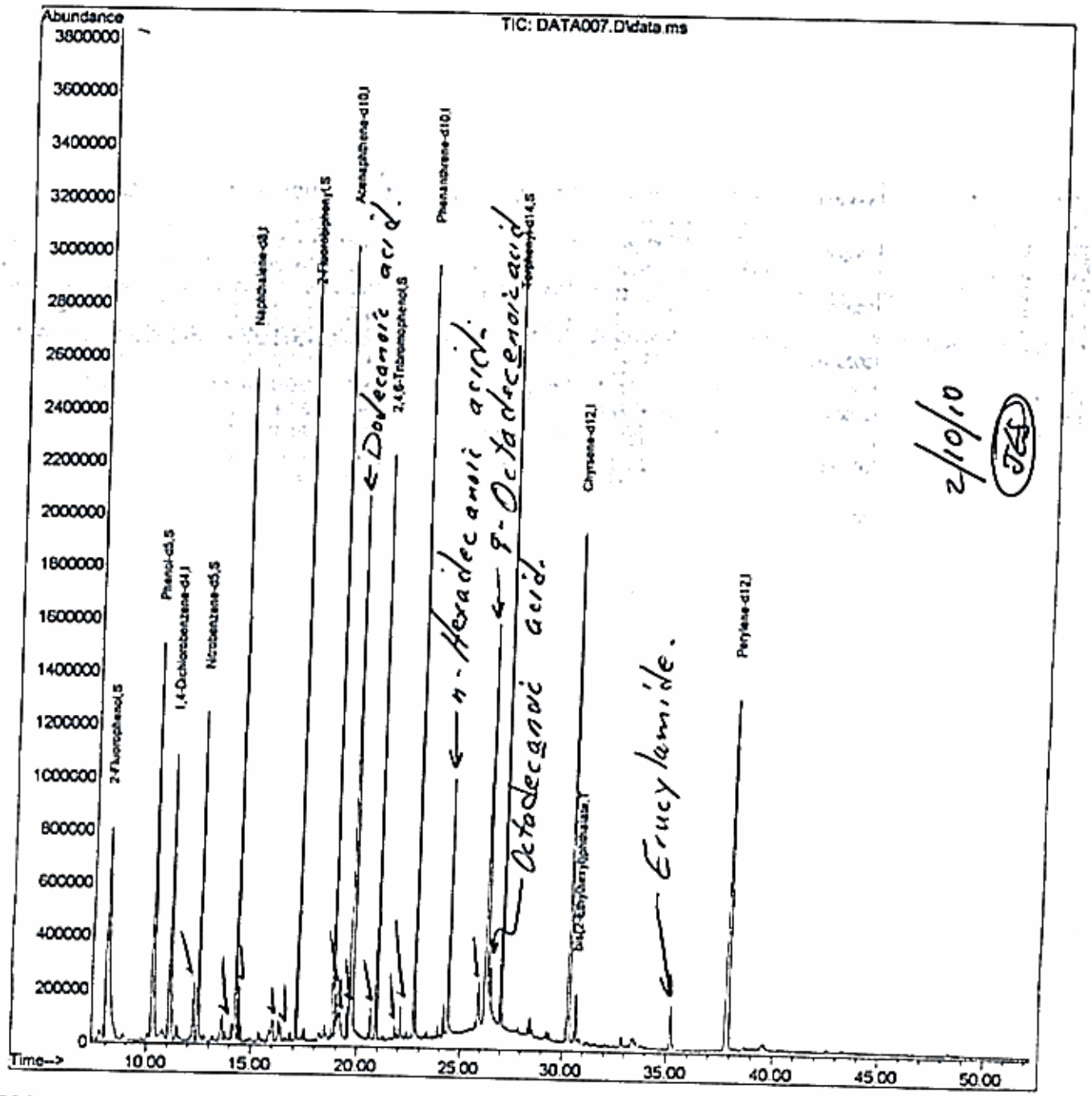

Chain of Custody Record

of 3858

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

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

PROJECT NAME: Gulf States Creosote

PROJECT LOCATION: Hattiesburg

REMARKS: RUSH

DATA TO: T. Russell

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. Tony Russell
B.
C.

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

SAMPLE ID	Sample Type	Date (2010)	Time	Comp	Grab	DESCRIPTION	TOTAL CONTAINERS	VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE	TAG NO./REMARKS:	Custody Seals Intact at Lab	Seals Not Intact upon Receipt by Lab	LAB USE ONLY
FA-SW1	1	11/26	0705		X	Down stream of WALL	2		2										43254
FA-SW2	1	11/26	0707		X	At WALL	2		2										43255
FA-SW3	1	11/26	0715		X	US stream of WALL	2		2										43256
						Temp. 1.5°C													

RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (PRINT)	RECEIVED BY: (PRINT)
Tony Russell (SIGN)	11-27-10 1115	Tammy Sawyer (SIGN)		(SIGN)	(SIGN)
RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (PRINT)	RECEIVED BY: (PRINT)
(SIGN)		(SIGN)		(SIGN)	(SIGN)

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

09/07

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA43254
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **TRUSSELL**
Collection date: **01/26/2010**
Lab submittal date: **01/27/2010**
Due date: **07/25/2010**
PONUMB: _____

Login record file: **100127005**

Collection time: **07:05**
Lab submittal time: **11:21**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **FA-SW 1**
SAMPLE_LOCATION **FA-SW 1**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
SEMIVOL ORG COMPOUNDS	8270	03/14/2010
SEMIVOL ORG COMPOUNDS SURROGATES	8270	03/14/2010
Extract For Semi-Volatile Analysis	3520	02/02/2010

Sample I.D. AA43255
Location code **C0350009**
Location Description **GULF STATE CREOSOTE**
Sample collector **TRUSSELL**
Collection date: **01/26/2010**
Lab submittal date: **01/27/2010**
Due date: **07/25/2010**
PONUMB: _____

Login record file: **100127005**

Collection time: **07:09**
Lab submittal time: **11:21**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **FA-SW 2**
SAMPLE_LOCATION **FA-SW 2**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
SEMIVOL ORG COMPOUNDS	8270	03/14/2010
SEMIVOL ORG COMPOUNDS SURROGATES	8270	03/14/2010
Extract For Semi-Volatile Analysis	3520	02/02/2010

Sample I.D. AA43256
Location code C0350009
Location Description GULF STATE CREOSOTE
Sample collector TRUSSELL
Collection date: 01/26/2010
Lab submittal date: 01/27/2010
Due date: 07/25/2010
PONUMB: _____

Login record file: 100127005

Collection time: 07:15
Lab submittal time: 11:22

Division Code: 3858

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO FA-SW 3
SAMPLE_LOCATION FA-SW 3
REQUESTED_BY TONY RUSSELL
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE SV

Analyses ordered	Method	Due Date
SEMIVOL ORG COMPOUNDS	8270	03/14/2010
SEMIVOL ORG COMPOUNDS SURROGATES	8270	03/14/2010
Extract For Semi-Volatile Analysis	3520	02/02/2010

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

Received by: _____