APPENDIX B

NOT TO SCALE

FIGURE B-1

GULF STATE CREOSOTE SITE SAMPLING LOCATIONS

LEGEND

⊗	-	Sample Location
TW	-	Temporary Well
SB	-	Subsurface Soil
SD	-	Sediment

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MSU

DR EARL G ALLEY
State Chemist
DR LARRY G LANE
Director, IAS Division

November 13, 1991

Analysis No. 826,336-338

Analysis of Water

Marked: Gulf State Creosote, Hattiesburg

Received on 10-21-91

from **MS Office of Pollution Control**
ATTN: Jim Hardage

Address P.O. Box 10385 Jackson, MS 39209

RESULTS:

MSCL NO.	MS DEQ-OPC Identification
826,336	GS-PW-01, Public Well-Hall Street (Water Dept.)
826,337	GS-TW-01, Background Temporary Well, Pine Street & Ryan Motors
826,338	GS-TW-02, Downgradient Temporary Well, Near Trailer Park

Results from our gc/mass spec analyses of the above water samples for semivolatile organic compounds on the Target Compound List are presented in attached reports.

Analytical Costs

3 ABNs By gc/ms @ $400 = $1200

Earl G. Alley
State Chemist

PLEASE GIVE NUMBER WHEN REFERRING TO THIS ANALYSIS

TARGET COMPOUND LIST

SEMIVOLATILES DATA SHEET FOR WATERS

MSCL ANALYSIS NO. 826,337 MARKED Gulf State Creosote

ANALYSIS OF Water GS-TW-01

COMPOUNDS	MQL*	Micro g/L	COMPOUNDS	MQL*	Micro g/L
Phenol	10	ND	2,4-Dinitrophenol	50	ND
bis(2-Chloroethyl)ether	10	ND	4-Nitrophenol	50	ND
2-Chlorophenol	10	ND	Dibenzofuran	10	ND
1,3-Dichlorobenzene	10	ND	2,4-Dinitrotoluene	10	ND
1,4-Dichlorobenzene	10	ND	Diethylphthalate	10	ND
Benzyl alcohol	20	ND	4-Chlorophenyl-phenyl ether	10	ND
1,2-Dichlorobenzene	10	ND	Fluorene	10	ND
2-Methylphene	10	ND	4-Nitroaniline	50	ND
bis(2-Chloroisopropyl)ether	10	ND	4,6-Dinitro-2-methylphenol	50	ND
4-Methylphenol	10	ND	N-nitrosodiphenylamine	10	ND
N-Nitroso-di-n-dipropylamine	10	ND	4-Bromophenyl-phenylether	10	ND
Hexachloroethane	10	ND	Hexachlorobenzene	10	ND
Nitrobenzene	10	ND	Pentachlorophenol	50	ND
Isophorone	10	ND	Phenanthrene	10	ND
2-Nitrophenol	10	ND	Anthracene	10	ND
2,4-Dimethylphenol	10	ND	Di-n-butylphthalate	10	ND
Benzoic acid	20	ND	Fluoranthene	10	ND
bis(2-Chloroethoxy)methane	10	ND	Pyrene	10	ND
2,4-Dichlorophenol	10	ND	Butylbenzylphthalate	10	ND
1,2,4-Trichlorobenzene	10	ND	3,3'-Dichlorobenzidine	20	ND
Naphthalene	10	ND	Benzo(a)anthracene	10	ND
4-Chloroaniline	20	ND	Chrysene	10	ND
Hexachlorobutadiene	10	ND	bis(2-Ethylhexyl) phthalate	10	ND
4-Chloro-3-methylphenol	20	ND	Di-n-octylphthalate	10	ND
2-Methylnaphthalene	10	ND	Benzo(b)fluoranthene	10	ND
Hexachlorocyclopentadiene	10	ND	Benzo(k)fluoranthene	10	ND
2,4,6-Trichlorophenol	10	ND	Benzo(a)pyrene	10	ND
2,4,5-Trichlorophenol	10	ND	Indeno(1,2,3-cd)pyrene	10	ND
2-Chloronaphthalene	10	ND	Dibenz (a,h)anthracene	10	ND
2-Nitroaniline	50	ND	Benzo(g,h,i)perylene	10	ND
Dimethylphthalate	10	ND			
Acenaphthylene	10	ND			
2,6-Dinitrotoluene	10	ND			
3-Nitroaniline	50	ND			
Acenaphthene	10	ND			

*ND = None Detected

MQL = Minimum Quantifiable Level

SURROGATES	RECOVERY (%)
2-Fluorophenol	38
Phenol-d5	22
Nitrobenzene-d5	78
2-Fluorobipheny	78
2,4,6-Tribromophenol	114
p-Terphenyl-d14	116

Multiply MQL's by _____

____ No peaks above 40% of internal standard were observed.

1 Peaks above 40% of internal standard were not identified.

3 Peaks above 40% internal standard not on EPA Appendix IX. Appear to be fatty acids at a total estimated concentration of 50 µg/L.

Earl H. Alley

State Chemist

TARGET COMPOUND LIST

SEMIVOLATILES DATA SHEET FOR WATERS

MSCL ANALYSIS NO. 826,338 MARKED Gulf State Creosote

ANALYSIS OF Water GS-TW-02

COMPOUNDS	MQL*	Micro g/L	COMPOUNDS	MQL*	Micro g/L
Phenol	10	ND	2,4-Dinitrophenol	50	ND
bis(2-Chloroethyl)ether	10	ND	4-Nitrophenol	50	ND
2-Chlorophenol	10	ND	Dibenzofuran	10	ND
1,3-Dichlorobenzene	10	ND	2,4-Dinitrotoluene	10	ND
1,4-Dichlorobenzene	10	ND	Diethylphthalate	10	ND
Benzyl alcohol	20	ND	4-Chlorophenyl-phenyl ether	10	ND
1,2-Dichlorobenzene	10	ND	Fluorene	10	ND
2-Methylphene	10	ND	4-Nitrosaniline	50	ND
bis(2-Chloroisopropyl)ether	10	ND	4,6-Dinitro-2-methylphenol	50	ND
4-Methylphenol	10	ND	N-nitrosodiphenylamine	10	ND
N-Nitroso-di-n-dipropylamine	10	ND	4-Bromophenyl-phenylether	10	ND
Hexachloroethane	10	ND	Hexachlorobenzene	10	ND
Nitrobenzene	10	ND	Pentachlorophenol	50	ND
Isophorone	10	ND	Phenanthrene	10	ND
2-Nitrophenol	10	ND	Anthracene	10	ND
2,4-Dimethylphenol	10	ND	Di-n-butylphthalate	10	ND
Benzoic acid	20	ND	Fluoranthene	10	ND
bis(2-Chloroethoxy)methane	10	ND	Pyrene	10	ND
2,4-Dichlorophenol	10	ND	Butylbenzylphthalate	10	ND
1,2,4-Trichlorobenzene	10	ND	3,3'-Dichlorobenzidine	20	ND
Naphthalene	10	ND	Benzo(a)anthracene	10	ND
4-Chloroaniline	20	ND	Chrysene	10	ND
Hexachlorobutadiene	10	ND	bis(2-Ethylhexyl) phthalate	10	ND
4-Chloro-3-methylphenol	20	ND	Di-n-octylphthalate	10	ND
2-Methylnaphthalene	10	ND	Benzo(b)fluoranthene	10	ND
Hexachlorocyclopentadiene	10	ND	Benzo(k)fluoranthene	10	ND
2,4,6-Trichlorophenol	10	ND	Benzo(a)pyrene	10	ND
2,4,5-Trichlorophenol	10	ND	Indeno(1,2,3-cd)pyrene	10	ND
2-Chloronaphthalene	10	ND	Dibenz (a,h)anthracene	10	ND
2-Nitroaniline	50	ND	Benzo(g,h,i)perylene	10	ND
Dimethylphthalate	10	ND			
Acenaphthylene	10	ND			
2,6-Dinitrotoluene	10	ND			
3-Nitroaniline	50	ND			
Acenaphthene	10	ND			

*ND = None Detected

MQL = Minimum Quantifiable Level

SURROGATES	RECOVERY (%)
2-Fluorophenol	43
Phenol-d5	28
Nitrobenzene-d5	85
2-Fluorobipheny	82
2,4,6-Tribromophenol	126
p-Terphenyl-d14	100

Multiply MQL's by _____

____ No peaks above 40% of internal standard were observed.

17 Peaks above 40% of internal standard were not identified.

2 Peaks above 40% internal standard not on EPA Appendix IX. Appear to be fatty acids at a total estimated concentration of 125 µg/L.

Earl H. Calley

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