

Appendix A

Remedial Investigation Data Summary Tables

**Former Gulf States Creosoting Site
Hattiesburg, Mississippi**

Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Standard MDL	MP&A Sample ID		CPT/SB-01/8-10		CPT/SB-01/44-46		CPT/SB-02/9-11		CPT/SB-03/20-22		CPT/SB-04/20-22	
			Lab Sample Number	Date Collected	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result
TCL Volatiles														
1,1-Dichloroethene	75-35-4	0.002	ND		ND		ND		ND		ND		ND	
Trichloroethene	79-01-6	0.001	ND		ND		ND		ND		ND		ND	
Benzene	71-43-2	0.001	ND		ND		ND		ND		ND		0.021	J
Toluene	108-88-3	0.001	ND		ND		0.013		0.013		ND		0.34	
Chlorobenzene	108-90-7	0.001	ND		ND		0.28		0.28		ND		1.3	
Xylene (total)	1330-20-7	0.001	ND		ND		ND		ND		ND		ND	
Chloromethane	74-87-3	0.002	ND		ND		ND		ND		ND		ND	
Bromomethane	74-83-9	0.003	ND		ND		ND		ND		ND		ND	
Vinyl Chloride	75-01-4	0.002	ND		ND		ND		ND		ND		ND	
Chloroethane	75-00-3	0.003	ND		ND		ND		ND		ND		ND	
Methylene Chloride	75-09-2	0.002	ND		ND		ND		ND		ND		ND	
1,1-Dichloroethane	75-34-3	0.001	ND		ND		ND		ND		ND		ND	
Chloroform	67-66-3	0.001	ND		ND		ND		ND		ND		ND	
1,2-Dichloroethane	107-06-2	0.002	ND		ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	71-55-6	0.001	ND		ND		ND		ND		ND		ND	
Carbon Tetrachloride	56-23-5	0.001	ND		ND		ND		ND		ND		ND	
Bromodichloromethane	75-27-4	0.002	ND		ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.001	ND		ND		ND		ND		ND		ND	
1,2-Dichloropropane	78-87-5	0.003	ND		ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	ND		ND		ND		ND		ND		ND	
Dibromochloromethane	124-48-1	0.001	ND		ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	79-00-5	0.002	ND		ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	ND		ND		ND		ND		ND		ND	
Bromoform	75-25-2	0.001	ND		ND		ND		ND		ND		ND	
Tetrachloroethene	127-18-4	0.001	ND		ND		ND		ND		ND		ND	
Ethylbenzene	100-41-4	0.001	ND		ND		0.046		0.046		ND		ND	
Acetone	67-64-1	0.007	0.059	J	0.059		0.009	J	0.009		ND		0.25	
Carbon Disulfide	75-15-0	0.003	ND		ND		0.730	J	0.730		ND		0.099	J
2-Butanone	78-93-3	0.007	ND		ND		ND		ND		ND		ND	
Vinyl Acetate	108-05-4	0.003	ND		ND		ND		ND		ND		ND	
2-Hexanone	591-78-6	0.003	ND		ND		ND		ND		ND		ND	
4-Methyl-2-pentanone	108-10-1	0.003	ND		ND		ND		ND		ND		ND	
Styrene	100-42-5	0.001	ND		ND		ND		ND		ND		0.24	
trans-1,2-Dichloroethene	156-60-5	0.002	ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	156-59-2	0.002	ND		ND		ND		ND		ND		ND	

Notes

Analytical methods: SW-846 8240B for volatiles;

SW-846 8270B for semivolatiles.

All results are reported on an "as received" basis in mg/kg.

Last two numbers of MP&A Sample ID indicate sample depth interval.

(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample

GEO/SB-05/409.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Standard MDL	MP&A Sample ID Lab Sample Number Date Collected	CPT/ISB-01/8-10 2679073 3/15/97	CPT/ISB-01/44-46 2679074 3/15/97	CPT/ISB-02/9-11 2679075 3/15/97	CPT/ISB-03/20-22 2679076 3/15/97	CPT/ISB-04/20-22 2679077 3/15/97	Sample-Specific MDL	Result	Notes
TCL Semivolatiles											
phenol	108-95-2	0.033		ND	ND	ND	ND	53	1.7		
2-chlorophenol	95-57-8	0.033		ND	ND	ND	ND	ND	0.17		
1,4-dichlorobenzene	106-46-7	0.033		ND	ND	ND	ND	ND	0.17		
N-nitrosodi-n-propylamine	621-64-7	0.067		ND	ND	ND	ND	ND	0.33		
1,2,4-trichlorobenzene	120-82-1	0.033		ND	ND	ND	ND	ND	0.17		
4-chloro-3-methylphenol	59-50-7	0.067		ND	ND	ND	ND	ND	0.33		
acenaphthene	83-32-9	0.033		ND	ND	ND	ND	73	1.7		
4-nitrophenol	100-02-7	0.17		ND	ND	ND	ND	ND	0.83		
2,4-dinitrotoluene	121-14-2	0.067		ND	ND	ND	ND	ND	0.33		
pentachlorophenol	87-86-5	0.17		ND	ND	ND	ND	ND	0.83		
pyrene	129-00-0	0.067		ND	ND	ND	ND	62	3.3		
2-nitrophenol	88-75-5	0.067		ND	ND	ND	ND	ND	0.33		
2,4-dimethylphenol	105-67-9	0.067		ND	ND	ND	ND	20	0.33		
2,4-dichlorophenol	120-83-2	0.033		ND	ND	ND	ND	ND	0.17		
2,4,6-trichlorophenol	88-06-2	0.067		ND	ND	ND	ND	ND	0.33		
2,4-dinitrophenol	51-28-5	0.17		ND	ND	ND	ND	ND	0.83		
bis (2-chloroethyl) ether	111-44-4	0.067		ND	ND	ND	ND	ND	0.33		
1,3-dichlorobenzene	541-73-1	0.033		ND	ND	ND	ND	ND	0.33		
1,2-dichlorobenzene	95-50-1	0.033		ND	ND	ND	ND	ND	0.17		
hexachloroethane	67-72-1	0.067		ND	ND	ND	ND	ND	0.17		
nitrobenzene	98-95-3	0.033		ND	ND	ND	ND	ND	0.33		
isophorone	78-59-1	0.067		ND	ND	ND	ND	ND	0.17		
bis (2-chloroethoxy) methane	111-91-1	0.033		ND	ND	ND	ND	ND	0.33		
naphthalene	91-20-3	0.033		ND	ND	ND	ND	340	3.3		
hexachlorobutadiene	87-68-3	0.067		ND	ND	ND	ND	ND	0.33		
hexachlorocyclopentadiene	77-47-4	0.17		ND	ND	ND	ND	ND	0.83		
2-chloronaphthalene	91-58-7	0.033		ND	ND	ND	ND	ND	0.17		
acenaphthylene	208-96-8	0.033		ND	ND	ND	ND	ND	0.17		
dimethyl phthalate	131-11-3	0.033		ND	ND	ND	ND	3.7	0.17		
fluorene	86-73-7	0.033		ND	ND	ND	ND	ND	0.17		
4-chlorophenyl phenyl ether	7005-72-3	0.067		ND	ND	ND	ND	ND	1.7		
diethyl phthalate	84-66-2	0.067		ND	ND	ND	ND	ND	0.33		
N-nitrosodiphenylamine	86-30-6	0.067		ND	ND	ND	ND	ND	0.33		
4-bromophenyl phenyl ether	101-53-3	0.1		ND	ND	ND	ND	ND	0.5		
hexachlorobenzene	118-74-1	0.1		ND	ND	ND	ND	ND	0.5		

Notes
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(a) Sample GEO/ISB-29/6-8 is a blind duplicate of sample
GEO/ISB-03/409.

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Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Standard MDL	MP&A Sample ID		CPT/01/44-46		CPT/02/9-11		CPT/03/20-22		CPT/04/20-22		
			Lab Sample Number	Date Collected	2679073	3/15/97	2679074	3/15/97	2679075	3/15/97	2679076	3/15/97	2679077
			Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes
phenanthrene	85-01-8	0.033	ND		1.7	110		1.7	190		1.7	190	
anthracene	120-12-7	0.033	ND		0.17	18		0.17	26		0.17	26	
di-n-butyl phthalate	84-74-2	0.033	ND		0.17	ND		0.17	ND		0.17	ND	
fluoranthene	206-44-0	0.033	ND		1.7	56		1.7	98		1.7	98	
butyl benzyl phthalate	85-68-7	0.067	ND		0.33	ND		0.33	ND		0.33	ND	
benzo (a) anthracene	56-55-3	0.033	ND		0.17	9.5		0.17	15		0.17	15	
chrysene	218-01-9	0.033	ND		0.17	8.5		0.17	14		0.17	14	
3,3'-dichlorobenzidine	91-94-1	0.13	ND		0.67	ND		0.67	ND		0.67	ND	
bis (2-ethylhexyl) phthalate	117-81-7	0.067	ND		0.33	ND		0.33	ND		0.33	ND	
di-n-octyl phthalate	117-84-0	0.067	ND		0.33	ND		0.33	ND		0.33	ND	
benzo (b) fluoranthene	205-99-2	0.067	ND		0.33	5.1		0.33	8.9		0.33	8.9	
benzo (k) fluoranthene	207-08-9	0.13	ND		0.67	1.9		0.67	3.6		0.67	3.6	
benzo (a) pyrene	50-32-8	0.067	ND		0.33	3.5		0.33	6.6		0.33	6.6	
indeno (1,2,3-cd) pyrene	193-39-5	0.067	ND		0.33	1.2	J	0.33	2.7		0.33	2.7	
dibenz (a,h) anthracene	53-70-3	0.067	ND		0.33	ND		0.33	0.79		0.33	0.79	J
benzo (ghi) perylene	191-24-2	0.067	ND		0.33	0.99	J	0.33	2.1		0.33	2.1	
2-methylphenol	95-48-7	0.067	ND		0.33	ND		0.33	20		0.33	20	
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	ND		0.5	ND		0.5	ND		0.5	ND	
4-methylphenol	106-44-5	0.1	ND		0.5	ND		0.5	76		0.5	76	
4-chloroaniline	106-47-8	0.1	ND		0.5	ND		0.5	ND		0.5	ND	
2-methylnaphthalene	91-57-6	0.033	ND		1.7	79		1.7	110		1.7	110	
2,4,5-trichlorophenol	95-95-4	0.067	ND		0.33	ND		0.33	ND		0.33	ND	
2-nitroaniline	88-74-4	0.067	ND		0.33	ND		0.33	ND		0.33	ND	
3-nitroaniline	99-09-2	0.067	ND		0.17	26		0.17	68		0.17	68	
dibenzofuran	132-64-9	0.033	ND		0.33	ND		0.33	ND		0.33	ND	
2,6-dinitrotoluene	606-20-2	0.067	ND		0.33	ND		0.33	ND		0.33	ND	
4-nitroaniline	100-01-6	0.1	ND		0.5	ND		0.5	ND		0.5	ND	
4,6-dinitro-2-methylphenol	534-52-1	0.17	ND		0.83	ND		0.83	ND		0.83	ND	
carbazole	86-74-8	0.033	ND		0.17	11		0.17	15		0.17	15	

Notes

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GEO/SB-05/409.

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Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Standard MDL	MP&A Sample ID		CPT/5B-04/29-31		CPT/5B-05/10.5-12.5		CPT/5B-06/6-10		CPT/5B-06/36-38		CPT/5B-07/14-16	
			Lab Sample Number	Date Collected	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL
TCL Volatiles														
1,1-Dichloroethene	75-35-4	0.002	0.01	ND		0.01	ND		ND		ND		ND	
Trichloroethene	79-01-6	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Benzene	71-43-2	0.001	0.005	0.006	J	0.005	0.007	J	ND		ND		0.005	J
Toluene	108-88-3	0.001	0.005	0.063		0.005	0.14		ND		ND		0.015	
Chlorobenzene	108-90-7	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Xylene (total)	1330-20-7	0.001	0.005	0.35		0.005	0.78		ND		ND		0.075	
Chloromethane	74-87-3	0.002	0.01	ND		0.01	ND		ND		ND		ND	
Bromomethane	74-83-9	0.003	0.015	ND		0.015	ND		ND		ND		ND	
Vinyl Chloride	75-01-4	0.002	0.01	ND		0.01	ND		ND		ND		ND	
Chloroethane	75-00-3	0.003	0.015	ND		0.015	ND		ND		ND		ND	
Methylene Chloride	75-09-2	0.002	0.01	ND		0.01	ND		ND		ND		ND	
1,1-Dichloroethane	75-34-3	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Chloroform	67-66-3	0.001	0.005	ND		0.005	ND		ND		ND		ND	
1,2-Dichloroethane	107-06-2	0.002	0.01	ND		0.01	ND		ND		ND		ND	
1,1,1-Trichloroethane	71-55-6	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Carbon Tetrachloride	56-23-5	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Bromodichloromethane	75-27-4	0.002	0.01	ND		0.01	ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.001	0.005	ND		0.005	ND		ND		ND		ND	
1,2-Dichloropropane	78-87-5	0.003	0.015	ND		0.015	ND		ND		ND		ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Dibromochloromethane	124-48-1	0.001	0.005	ND		0.005	ND		ND		ND		ND	
1,1,2-Trichloroethane	79-00-5	0.002	0.01	ND		0.01	ND		ND		ND		ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Bromoform	75-25-2	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Tetrachloroethene	127-18-4	0.001	0.005	ND		0.005	ND		ND		ND		ND	
Ethylbenzene	100-41-4	0.001	0.005	0.06		0.005	0.12		ND		ND		0.024	
Acetone	67-64-1	0.007	0.035	0.068	J	0.035	0.1	J	0.01	J	1.5	J	0.042	J
Carbon Disulfide	75-15-0	0.003	0.015	ND		0.015	ND		ND		ND		ND	
2-Butanone	78-93-3	0.007	0.035	ND		0.035	ND		ND		ND		ND	
Vinyl Acetate	108-05-4	0.003	0.015	ND		0.015	ND		ND		ND		ND	
2-Hexanone	591-78-6	0.003	0.015	ND		0.015	ND		ND		ND		ND	
4-Methyl-2-pentanone	108-10-1	0.003	0.015	ND		0.015	ND		ND		ND		ND	
Styrene	100-42-5	0.001	0.005	0.071		0.005	0.1		ND		ND		ND	
trans-1,2-Dichloroethene	156-60-5	0.002	0.01	ND		0.01	ND		ND		ND		ND	
cis-1,2-Dichloroethene	156-59-2	0.002	0.01	ND		0.01	ND		ND		ND		ND	

Notes
 Analytical methods: SW-846 8240B for volatiles;
 SW-846 8270B for semivolatiles.
 All results are reported on an "as received" basis in mg/kg.
 Last two numbers of MP&A Sample ID indicate sample depth interval.
 (a) Sample GEO/SB-29/6-8 is a blind duplicate of sample
 GEO/SB-05/409.
 J - Estimated value; in cases of ND, indicates MDL is estimated.
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Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
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Parameter	CAS Number	Standard MDL	MP & A Sample ID Lab Sample Number Date Collected	CPT/SSB-04/29-31 2679078 3/15/97	CPT/SSB-05/10.5-12.5 2679079 3/15/97	CPT/SSB-06/6-10 2679080 3/17/97	CPT/SSB-06/36-38 2679084 3/17/97	CPT/SSB-07/14-16 2679083 3/17/97	
				Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes
TCL Semivolatiles									
phenol	108-95-2	0.033		1.7	46			ND	
2-chlorophenol	95-57-8	0.033		0.17	ND			ND	
1,4-dichlorobenzene	106-46-7	0.033		0.17	ND			ND	
N-nitrosod-n-propylamine	621-64-7	0.067		0.33	ND			ND	
1,2,4-trichlorobenzene	120-82-1	0.033		0.17	ND			ND	
4-chloro-3-methylphenol	59-50-7	0.067		0.33	ND			ND	
acenaphthene	83-32-9	0.033		1.7	51		0.042	9.6	J
4-nitrophenol	100-02-7	0.17		0.83	ND			ND	
2,4-dinitrotoluene	121-14-2	0.067		0.33	ND			ND	
pentachlorophenol	87-86-5	0.17		0.83	ND			ND	
pyrene	129-00-0	0.067		0.33	26			3.9	
2-nitrophenol	88-75-5	0.067		0.33	ND			ND	
2,4-dimethylphenol	103-67-9	0.067		0.33	17			ND	
2,4-dichlorophenol	120-83-2	0.033		0.17	ND			ND	
2,4,6-trichlorophenol	88-06-2	0.067		0.33	ND			ND	
2,4-dinitrophenol	51-28-5	0.17		0.83	ND			ND	
bis (2-chloroethyl) ether	111-44-4	0.067		0.33	ND			ND	
1,3-dichlorobenzene	541-73-1	0.033		0.17	ND			ND	
1,2-dichlorobenzene	95-50-1	0.033		0.17	ND			ND	
hexachloroethane	67-72-1	0.067		0.33	ND			ND	
nitrobenzene	98-95-3	0.033		0.17	ND			ND	
isophorone	78-59-1	0.067		0.33	ND			ND	
bis (2-chloroethoxy) methane	111-91-1	0.033		0.17	ND			ND	
naphthalene	91-20-3	0.033		1.7	200			36	
hexachlorobutadiene	87-68-3	0.067		0.33	ND			ND	
hexachlorocyclopentadiene	77-47-4	0.17		0.83	ND			ND	
2-chloronaphthalene	91-58-7	0.033		0.17	ND			ND	
acenaphthylene	208-96-8	0.033		0.17	2.7			0.31	J
dimethyl phthalate	131-11-3	0.033		0.17	ND			ND	
fluorene	86-73-7	0.033		1.7	64			8.5	
4-chlorophenyl phenyl ether	7005-72-3	0.067		0.33	ND			ND	
diethyl phthalate	84-66-2	0.067		0.33	ND			ND	
N-nitrosodiphenylamine	86-30-6	0.067		0.33	ND			ND	
4-bromophenyl phenyl ether	101-55-3	0.1		0.5	ND			ND	
hexachlorobenzene	118-74-1	0.1		0.5	ND			ND	

Notes
Analytical methods: SW-846 8240B for volatiles;
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Parameter	CAS Number	Standard MDL	MP&A Sample ID		CPT/BS-04/29-31		CPT/BS-05/10.5-12.5		CPT/BS-06/6-10		CPT/BS-06/36-38		CPT/BS-07/14-16	
			Lab Sample Number	Date Collected	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL
phenanthrene	85-01-8	0.033	1.7	130		6.7	710		ND		0.16	J	0.17	20
anthracene	120-12-7	0.033	0.17	20		0.67	98		ND		ND		0.17	4.8
di-n-butyl phthalate	84-74-2	0.033	0.17	ND		0.67	ND		ND		ND		0.17	ND
fluoranthene	206-44-0	0.033	1.7	71		6.7	430		ND		0.094	J	0.17	8.2
butyl benzyl phthalate	85-68-7	0.067	0.33	ND		1.3	ND		ND		ND		0.17	ND
benzo (a) anthracene	56-55-3	0.033	0.17	12		0.67	69		ND		ND		0.17	1.3
chrysene	218-01-9	0.033	0.17	10		0.67	62		ND		ND		0.17	1.3
3,3'-dichlorobenzidine	91-94-1	0.13	0.67	ND		2.7	ND		ND		ND		0.17	ND
bis (2-ethylhexyl) phthalate	117-81-7	0.067	0.33	ND		1.3	ND		ND		ND		0.17	ND
di-n-octyl phthalate	117-84-0	0.067	0.33	ND		1.3	ND		ND		ND		0.17	ND
benzo (b) fluoranthene	205-99-2	0.067	0.33	6.6		1.3	38		ND		ND		0.17	0.89
benzo (k) fluoranthene	207-08-9	0.13	0.67	2.6		2.7	13		ND		ND		0.17	0.33
benzo (a) pyrene	50-32-8	0.067	0.33	4.9		1.3	26		ND		ND		0.17	0.69
indeno (1,2,3-cd) pyrene	193-39-5	0.067	0.33	2		1.3	8.5		ND		ND		0.17	0.38
dibenz (a,h) anthracene	53-70-3	0.067	0.33	0.58	J	1.3	2.5	J	ND		ND		0.17	0.09
benzo (ghi) perylene	191-24-2	0.067	0.33	1.5	J	1.3	6.5	J	ND		ND		0.17	0.28
2-methylphenol	95-48-7	0.067	0.33	17		1.3	ND		ND		ND		0.17	ND
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	0.5	ND		2	ND		ND		ND		0.17	ND
4-methylphenol	106-44-5	0.1	5	71		2	ND		ND		ND		0.17	ND
4-chloroaniline	106-47-8	0.1	0.5	ND		2	ND		ND		ND		0.17	15
2-methylnaphthalene	91-57-6	0.033	1.7	77		6.7	440		ND		ND		0.17	ND
2,4,5-trichlorophenol	95-95-4	0.067	0.33	ND		1.3	ND		ND		ND		0.17	ND
2-nitroaniline	88-74-4	0.067	0.33	ND		1.3	ND		ND		ND		0.17	ND
3-nitroaniline	99-09-2	0.067	0.33	ND		1.3	ND		ND		ND		0.17	ND
2,6-dinitrotoluene	132-64-9	0.033	1.7	48		6.7	270		ND		0.037	J	0.17	9.7
4-nitroaniline	606-20-2	0.067	0.33	ND		1.3	ND		ND		ND		0.17	ND
4,6-dinitro-2-methylphenol	100-01-6	0.1	0.5	ND		2	ND		ND		ND		0.17	ND
carbazole	534-52-1	0.17	0.83	ND		3.3	ND		ND		ND		0.17	ND
	86-74-8	0.033	0.17	11		0.67	69		ND		ND		0.17	0.97

Notes
 Analytical methods: SW-846 8240B for volatiles;
 SW-846 8270B for semivolatiles.

All results are reported on an "as received" basis in mg/kg.
 Last two numbers of MP&A Sample ID indicate sample depth interval.

(a) Sample GEO/BS-29/6-8 is a blind duplicate of sample
 GEO/BS-05/409.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of Subsurface Soil Analytical Results
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Standard MDL	GEO/SB-01/10-12		GEO/SB-02/10-12		GEO/SB-03/8-9.3		GEO/SB-04/10-12		GEO/SB-05/4-9	
			Lab Sample Number	Date Collected	Result	Notes	Result	Notes	Result	Notes	Result	Notes
TCL Volatiles												
1,1-Dichloroethene	75-35-4	0.002	ND		ND		ND		ND		ND	
Trichloroethene	79-01-6	0.001	ND		ND		ND		ND		ND	
Benzene	71-43-2	0.001	ND		ND		ND		ND		ND	
Toluene	108-88-3	0.001	ND		ND		ND		ND		ND	
Chlorobenzene	108-90-7	0.001	ND		ND		ND		ND		ND	
Xylylene (total)	1330-20-7	0.001	ND		ND		ND		ND		1.2	
Chloromethane	74-87-3	0.002	ND		ND		ND		ND		ND	
Bromomethane	74-83-9	0.003	ND		ND		ND		ND		ND	
Vinyl Chloride	75-01-4	0.002	ND		ND		ND		ND		ND	
Chloroethane	75-00-3	0.003	ND		ND		ND		ND		ND	
Methylene Chloride	75-09-2	0.002	ND		ND		ND		ND		ND	
1,1-Dichloroethane	75-34-3	0.001	ND		ND		ND		ND		ND	
Chloroform	67-66-3	0.001	ND		ND		ND		ND		ND	
1,2-Dichloroethane	107-06-2	0.002	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	71-55-6	0.001	ND		ND		ND		ND		ND	
Carbon Tetrachloride	56-23-5	0.001	ND		ND		ND		ND		ND	
Bromodichloromethane	75-27-4	0.002	ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.001	ND		ND		ND		ND		ND	
1,2-Dichloropropane	78-87-5	0.003	ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	ND		ND		ND		ND		ND	
Dibromochloromethane	124-48-1	0.001	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	79-00-5	0.002	ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	ND		ND		ND		ND		ND	
Bromoform	75-25-2	0.001	ND		ND		ND		ND		ND	
Tetrachloroethene	127-18-4	0.001	ND		ND		ND		ND		ND	
Ethylbenzene	100-41-4	0.001	ND		ND		ND		ND		ND	
Acetone	67-64-1	0.007	ND		ND		ND		ND		0.23	
Carbon Disulfide	75-15-0	0.003	ND		ND		ND		ND		0.073	
2-Butanone	78-93-3	0.007	ND		ND		ND		ND		ND	
Vinyl Acetate	108-05-4	0.003	ND		ND		ND		ND		ND	
2-Hexanone	591-78-6	0.003	ND		ND		ND		ND		ND	
4-Methyl-2-pentanone	108-10-1	0.003	ND		ND		ND		ND		ND	
Styrene	100-42-5	0.001	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	156-60-5	0.002	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	156-59-2	0.002	ND		ND		ND		ND		ND	

Notes
Analytical methods: SW-846 8240B for volatiles;
SW-846 8270B for semivolatiles.
All results are reported on an "as received" basis in mg/kg.
Last two numbers of MP&A Sample ID indicate sample depth interval.
(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample GEO/SB-05/4/09.
J - Estimated value; in cases of ND, indicates MDL is estimated.
R - Unusable result; analyte may or may not be present in the sample.

Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Standard MDL	MP&A Sample ID		GEO/SB-01/10-12		GEO/SB-02/10-12		GEO/SB-03/8-9.3		GEO/SB-04/10-12		GEO/SB-05/4-9			
			Lab Sample Number	Date Collected	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Sample-Specific MDL	Result
TCL Semivolatiles																
phenol	108-95-2	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
2-chlorophenol	95-57-8	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
1,4-dichlorobenzene	106-46-7	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
N-nitrosodi-n-propylamine	621-64-7	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
1,2,4-trichlorobenzene	120-82-1	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
4-chloro-3-methylphenol	59-50-7	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
acenaphthene	83-32-9	0.033	ND		ND		ND		ND		ND		ND	3.3	63	
4-nitrophenol	100-02-7	0.17	ND		ND		ND		ND		ND		ND	1.7	ND	
2,4-dinitrotoluene	121-14-2	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
pentachlorophenol	87-86-5	0.17	ND		ND		ND		ND		ND		ND	1.7	ND	
pyrene	129-00-0	0.067	ND		ND		ND		ND		ND		ND	6.7	180	
2-nitrophenol	88-75-5	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
2,4-dimethylphenol	105-67-9	0.067	ND		ND		ND		ND		ND		ND	0.67	1.2	J
2,4-dichlorophenol	120-83-2	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
2,4,6-trichlorophenol	88-06-2	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
2,4-dinitrophenol	51-28-5	0.17	ND		ND		ND		ND		ND		ND	1.7	ND	
bis (2-chloroethyl) ether	111-44-4	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
1,3-dichlorobenzene	541-73-1	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
1,2-dichlorobenzene	95-50-1	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
hexachloroethane	67-72-1	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
nitrobenzene	98-95-3	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
isophorone	78-59-1	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
bis (2-chloroethoxy) methane	111-91-1	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
naphthalene	91-20-3	0.033	0.098	J	ND		ND		ND		ND		ND	0.33	400	
hexachlorobutadiene	87-68-3	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
hexachlorocyclopentadiene	77-47-4	0.17	ND		ND		ND		ND		ND		ND	1.7	ND	
2-chloronaphthalene	91-58-7	0.033	ND		ND		ND		ND		ND		ND	0.33	ND	
acenaphthylene	208-96-8	0.033	ND		ND		ND		ND		ND		ND	0.33	8.3	
dimethyl phthalate	131-11-3	0.033	ND		ND		ND		ND		ND		ND	0.33	130	
fluorene	86-73-7	0.033	ND		ND		ND		ND		ND		ND	3.3	ND	
4-chlorophenyl phenyl ether	7005-72-3	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
diethyl phthalate	84-66-2	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
N-nitrosodiphenylamine	86-30-6	0.067	ND		ND		ND		ND		ND		ND	0.67	ND	
4-bromophenyl phenyl ether	101-55-3	0.1	ND		ND		ND		ND		ND		ND	1	ND	
hexachlorobenzene	118-74-1	0.1	ND		ND		ND		ND		ND		ND	1	ND	

Notes

Analytical methods: SW-846 8240B for volatiles;

SW-846 8270B for semivolatiles.

All results are reported on an "as received" basis in mg/kg.

Last two numbers of MP&A Sample ID indicate sample depth interval.

(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample

GEO/SB-05/4/09.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analytic may or may not be present in the sample.

Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Standard MDL	GEO/SB-01/10-12		GEO/SB-02/10-12		GEO/SB-03/8-9.3		GEO/SB-04/10-12		GEO/SB-05/4-9	
			Lab Sample Number	Date Collected	Result	Notes	Result	Notes	Result	Notes	Result	Notes
phenanthrene	85-01-8	0.033	ND		ND		ND		ND		3.3	360
anthracene	120-12-7	0.033	ND		ND		ND		ND		3.3	98
di-n-butyl phthalate	84-74-2	0.033	ND		ND		ND		ND		0.33	ND
fluoranthene	206-44-0	0.033	ND		ND		ND		ND		3.3	220
butyl benzyl phthalate	85-68-7	0.067	ND		ND		ND		ND		0.67	ND
benzo (a) anthracene	56-55-3	0.033	ND		ND		ND		ND		0.33	52
chrysene	218-01-9	0.033	ND		ND		ND		ND		0.33	48
3,3'-dichlorobenzidine	91-94-1	0.13	ND		ND		ND		ND		1.3	ND
bis (2-ethylhexyl) phthalate	117-81-7	0.067	ND		ND		ND		ND		0.67	ND
di-n-octyl phthalate	117-84-0	0.067	ND		ND		ND		ND		0.67	ND
benzo (b) fluoranthene	205-99-2	0.067	ND		ND		ND		ND		0.67	36
benzo (k) fluoranthene	207-08-9	0.13	ND		ND		ND		ND		1.3	14
benzo (a) pyrene	50-32-8	0.067	ND		ND		ND		ND		0.67	24
indeno (1,2,3-cd) pyrene	193-39-5	0.067	ND		ND		ND		ND		0.67	9.6
dibenz (a,h) anthracene	53-70-3	0.067	ND		ND		ND		ND		0.67	2.7
benzo (ghi) perylene	191-24-2	0.067	ND		ND		ND		ND		0.67	6.4
2-methylphenol	95-48-7	0.067	ND		ND		ND		ND		0.67	ND
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	ND		ND		ND		ND		1	ND
4-methylphenol	106-44-5	0.1	ND		ND		ND		ND		1	ND
4-chloroaniline	106-47-8	0.1	ND		ND		ND		ND		1	ND
2-methylnaphthalene	91-57-6	0.033	ND		ND		ND		ND		3.3	220
2,4,5-trichlorophenol	95-95-4	0.067	ND		ND		ND		ND		0.67	ND
2-nitroaniline	88-74-4	0.067	ND		ND		ND		ND		0.67	ND
3-nitroaniline	99-09-2	0.067	ND		ND		ND		ND		0.67	ND
dibenzofuran	132-64-9	0.033	ND		ND		ND		ND		3.3	130
2,6-dinitrotoluene	606-20-2	0.067	ND		ND		ND		ND		0.67	ND
4-nitroaniline	100-01-6	0.1	ND		ND		ND		ND		1	ND
4,6-dinitro-2-methylphenol	534-52-1	0.17	ND		ND		ND		ND		1.7	ND
carbazole	86-74-8	0.033	ND		ND		ND		ND		3.3	52

Notes

Analytical methods: SW-846 8240B for volatiles;

SW-846 8270B for semivolatiles.

All results are reported on an "as received" basis in mg/kg.

Last two numbers of MP&A Sample ID indicate sample depth interval.

(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample

GEO/SB-05/409.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	C.A.S. Number	Standard MDL	GEO/SB-29/6-8 (a)		GEO/SB-05A/17-19		GEO/SB-06/10-12		GEO/SB-07/5-7	
			Lab Sample Number	Date Collected	Lab Sample Number	Date Collected	Lab Sample Number	Date Collected	Lab Sample Number	Date Collected
TCL Volatiles										
1,1-Dichloroethene	75-35-4	0.002	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Trichloroethene	79-01-6	0.001	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Benzene	71-43-2	0.001	0.005	ND	0.002	J	0.005	0.008	0.005	ND
Toluene	108-88-3	0.001	0.005	0.045	ND	ND	0.005	0.095	0.005	0.014
Chlorobenzene	108-90-7	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
Xylene (total)	1330-20-7	0.001	0.005	1.2	0.001	J	0.005	1.7	0.005	0.49
Chloromethane	74-87-3	0.002	0.01	ND	ND	ND	0.01	ND	0.01	ND
Bromomethane	74-83-9	0.003	0.015	ND	ND	ND	0.015	ND	0.015	ND
Vinyl Chloride	75-01-4	0.002	0.01	ND	ND	ND	0.01	ND	0.01	ND
Chloroethane	75-00-3	0.003	0.015	ND	ND	ND	0.015	ND	0.015	ND
Methylene Chloride	75-09-2	0.002	0.01	ND	ND	ND	0.01	ND	0.01	ND
1,1-Dichloroethane	75-34-3	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
Chloroform	67-66-3	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
1,2-Dichloroethane	107-06-2	0.002	0.01	ND	ND	ND	0.01	ND	0.01	ND
1,1,1-Trichloroethane	71-55-6	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
Carbon Tetrachloride	56-23-5	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
Bromodichloromethane	75-27-4	0.002	0.01	ND	ND	ND	0.01	ND	0.01	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
1,2-Dichloropropane	78-87-5	0.003	0.015	ND	ND	ND	0.015	ND	0.015	ND
trans-1,3-Dichloropropene	10061-02-6	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
Dibromochloromethane	124-48-1	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
1,1,2-Trichloroethane	79-00-5	0.002	0.01	ND	ND	ND	0.01	ND	0.01	ND
cis-1,3-Dichloropropene	10061-01-5	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
Bromoform	75-25-2	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
Tetrachloroethene	127-18-4	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
Ethylbenzene	100-41-4	0.001	0.005	0.21	ND	ND	0.005	0.48	0.005	0.068
Acetone	67-64-1	0.007	0.035	0.053	ND	J	0.035	0.044	0.035	ND
Carbon Disulfide	75-15-0	0.003	0.015	ND	ND	ND	0.015	ND	0.015	ND
2-Butanone	78-93-3	0.007	0.035	ND	ND	ND	0.035	ND	0.035	ND
Vinyl Acetate	108-05-4	0.003	0.015	ND	ND	ND	0.015	ND	0.015	ND
2-Hexanone	591-78-6	0.003	0.015	ND	ND	ND	0.015	ND	0.015	ND
4-Methyl-2-pentanone	108-10-1	0.003	0.015	ND	ND	ND	0.015	ND	0.015	ND
Styrene	100-42-5	0.001	0.005	ND	ND	ND	0.005	ND	0.005	ND
trans-1,2-Dichloroethene	156-60-5	0.002	0.01	ND	ND	ND	0.01	ND	0.01	ND
cis-1,2-Dichloroethene	156-59-2	0.002	0.01	ND	ND	ND	0.01	ND	0.01	ND

Notes

Analytical methods: SW-846 8240B for volatiles;

SW-846 8270B for semivolatiles.

All results are reported on an "as received" basis in mg/kg.

Last two numbers of MP&A Sample ID indicate sample depth interval.

(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample

GEO/SB-05/409.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	MP&A Sample ID Lab Sample Number Date Collected	Standard MDL	GEO/SB-29/6-8 (a)		GEO/SB-05/AJ/17-19		GEO/SB-06/10-12		GEO/SB-07/5-7	
				Result	Notes	Result	Notes	Result	Notes	Result	Notes
TCL Semivolatiles											
phenol	108-95-2		0.033	ND		ND		ND		0.17	ND
2-chlorophenol	95-57-8		0.033	ND		ND		ND		0.17	ND
1,4-dichlorobenzene	106-46-7		0.033	ND		ND		ND		0.17	ND
N-nitrosodi-n-propylamine	621-64-7		0.067	ND		ND		ND		0.33	ND
1,2,4-trichlorobenzene	120-82-1		0.033	ND		ND		ND		0.17	ND
4-chloro-3-methylphenol	59-50-7		0.067	ND		ND		ND		0.33	ND
acenaphthene	83-32-9		0.033	130		ND		150		4.2	200
4-nitrophenol	100-02-7		0.17	ND		ND		ND		0.83	ND
2,4-dinitrotoluene	121-14-2		0.067	ND		ND		ND		0.33	ND
pentachlorophenol	87-86-5		0.17	ND		ND		ND		0.83	ND
pyrene	129-00-0		0.067	140		0.12	J	120		8.3	230
2-nitrophenol	88-75-5		0.067	ND		ND		ND		0.33	ND
2,4-dimethylphenol	105-67-9		0.067	1		ND		1.3		0.33	ND
2,4-dichlorophenol	120-83-2		0.033	ND		ND		ND		0.17	ND
2,4,6-trichlorophenol	88-06-2		0.067	ND		ND		ND		0.33	ND
2,4-dinitrophenol	51-28-5		0.17	ND		ND		ND		0.83	ND
bis (2-chloroethyl) ether	111-44-4		0.067	ND		ND		ND		0.33	ND
1,3-dichlorobenzene	541-73-1		0.033	ND		ND		ND		0.17	ND
1,2-dichlorobenzene	95-50-1		0.033	ND		ND		ND		0.17	ND
hexachloroethane	67-72-1		0.067	ND		ND		ND		0.33	ND
nitrobenzene	98-95-3		0.033	ND		ND		ND		0.17	ND
isophorone	78-59-1		0.067	ND		ND		ND		0.33	ND
bis (2-chloroethoxy) methane	111-91-1		0.033	ND		ND		ND		0.17	ND
naphthalene	91-20-3		0.033	380		ND		420		4.2	210
hexachlorobutadiene	87-68-3		0.067	ND		ND		ND		0.33	ND
hexachlorocyclopentadiene	77-47-4		0.17	ND		ND		ND		0.83	ND
2-chloronaphthalene	91-58-7		0.033	ND		ND		ND		0.17	ND
acenaphthylene	208-96-8		0.033	5.5		ND		5.2		0.17	7.7
dimethyl phthalate	131-11-3		0.033	ND		ND		ND		0.17	ND
fluorene	86-73-7		0.033	140		ND		160		1.7	250
4-chlorophenyl phenyl ether	7005-72-3		0.067	ND		ND		ND		0.33	ND
diethyl phthalate	84-66-2		0.067	ND		ND		ND		0.33	ND
N-nitrosodiphenylamine	86-30-6		0.067	ND		ND		ND		0.33	ND
4-bromophenyl phenyl ether	101-55-3		0.1	ND		ND		ND		0.5	ND
hexachlorobenzene	118-74-1		0.1	ND		ND		ND		0.5	ND

Notes

Analytical methods: SW-846 8240B for volatiles;
SW-846 8270B for semivolatiles.
All results are reported on an "as received" basis in mg/kg.
Last two numbers of MP&A Sample ID indicate sample depth interval.
(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample GEO/SB-05/409.
J - Estimated value; in cases of ND, indicates MDL is estimated.
R - Unusable result; analyte may or may not be present in the sample.

Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Standard MDL	GEO/SB-29/6-8 (a)		GEO/SB-05A/17-19		GEO/SB-06/10-12		GEO/SB-07/5-7	
			Lab Sample Number	Date Collected	Lab Sample Number	Date Collected	Lab Sample Number	Date Collected	Lab Sample Number	Date Collected
phenanthrene	85-01-8	0.033	3.3	350	0.21	J	3.3	370	4.2	510
anthracene	120-12-7	0.033	1.7	78	0.13	J	1.7	55	4.2	120
di-n-butyl phthalate	84-74-2	0.033	0.17	ND	ND	0.17	ND	ND	0.17	ND
fluoranthene	206-44-0	0.033	1.7	180	0.16	J	1.7	170	4.2	250
butyl benzyl phthalate	85-68-7	0.067	0.33	ND	ND	0.33	ND	ND	0.33	ND
benzo (a) anthracene	56-55-3	0.033	1.7	44	0.043	J	1.7	40	4.2	61
chrysene	218-01-9	0.033	1.7	41	ND	ND	1.7	33	4.2	52
3,3-dichlorobenzidine	91-94-1	0.13	0.67	ND	ND	0.67	ND	ND	0.67	ND
bis (2-ethylhexyl) phthalate	117-81-7	0.067	0.33	ND	ND	0.33	ND	ND	0.33	ND
di-n-octyl phthalate	117-84-0	0.067	0.33	ND	ND	0.33	ND	ND	0.33	ND
benzo (b) fluoranthene	205-99-2	0.067	0.33	25	ND	0.33	18	8.3	33	33
benzo (k) fluoranthene	207-08-9	0.13	0.67	8.7	ND	ND	0.67	6.7	0.67	11
benzo (a) pyrene	50-32-8	0.067	0.33	17	ND	ND	0.33	13	0.33	22
indeno (1,2,3-cd) pyrene	193-39-5	0.067	0.33	6.3	ND	ND	0.33	4.1	0.33	8.7
dibenz (a,h) anthracene	53-70-3	0.067	0.33	1.8	ND	ND	0.33	1.4	0.33	3.4
benzo (ghi) perylene	191-24-2	0.067	0.33	4.8	ND	ND	0.33	2.4	0.33	6.4
2-methylphenol	95-48-7	0.067	0.33	ND	ND	ND	0.33	ND	0.33	ND
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	0.5	ND	ND	ND	0.5	ND	0.5	ND
4-methylphenol	106-44-5	0.1	0.5	ND	ND	ND	0.5	ND	0.5	ND
4-chloroaniline	106-47-8	0.1	0.5	ND	ND	ND	0.5	ND	0.5	ND
2-methylnaphthalene	91-57-6	0.033	1.7	180	ND	ND	1.7	190	4.2	230
2,4,5-trichlorophenol	95-95-4	0.067	0.33	ND	ND	ND	0.33	ND	0.33	ND
2-nitroaniline	88-74-4	0.067	0.33	ND	ND	ND	0.33	ND	0.33	ND
3-nitroaniline	99-09-2	0.067	0.33	ND	ND	ND	0.33	ND	0.33	ND
dibenzofuran	132-64-9	0.033	1.7	120	ND	ND	1.7	130	4.2	180
2,6-dinitrotoluene	606-20-2	0.067	0.33	ND	ND	ND	0.33	ND	0.33	ND
4-nitroaniline	100-01-6	0.1	0.5	ND	ND	ND	0.5	ND	0.5	ND
4,6-dinitro-2-methylphenol	534-52-1	0.17	0.83	ND	ND	ND	0.83	ND	0.83	ND
carbazole	86-74-8	0.033	1.7	48	0.056	J	1.7	38	4.2	27

Notes

Analytical methods: SW-846 82-40B for volatiles;

SW-846 8270B for semivolatiles.

All results are reported on an "as received" basis in mg/kg.

Last two numbers of MP&A Sample ID indicate sample depth interval.

(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample

GEO/SB-05/4/09.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of Subsurface Soil Analytical Results
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

MP&A Sample ID GEO/SB-05/4-9
 Lab Sample Number 2680805
 Date Collected 3/18/97

Parameter	CAS Number	Sample-Specific MDL	Result	Notes
Pesticides/PCBs				
Gamma BHC - Lindane	58-89-9	0.0006	ND	
Heptachlor	76-44-8	0.001	0.01	
Aldrin	309-00-2	0.001	ND	
DDT	50-29-3	0.003	ND	
Dieldrin	60-57-1	0.002	ND	
Endrin	72-20-8	0.002	ND	
Methoxychlor	72-43-5	0.008	ND	
Alpha BHC	319-84-6	0.0004	ND	
Beta BHC	319-85-7	0.001	ND	
Delta BHC	319-86-8	0.0006	ND	
Heptachlor Epoxide	1024-57-3	0.0006	ND	
DDE	72-55-9	0.003	ND	
DDD	72-54-8	0.001	ND	
Toxaphene	8001-35-2	0.1	ND	
Endosulfan I	959-98-8	0.001	0.004	J
Endosulfan II	33213-65-9	0.004	ND	
Endosulfan Sulfate	1031-07-8	0.003	ND	
Endrin Aldehyde	7421-93-4	0.006	ND	
PCB-1016	12674-11-2	0.03	ND	
PCB-1221	11104-28-2	0.05	ND	
PCB-1232	11141-16-5	0.03	ND	
PCB-1242	53469-21-9	0.01	ND	
PCB-1248	12672-29-6	0.04	ND	
PCB-1254	11097-69-1	0.1	ND	
PCB-1260	11096-82-5	0.2	ND	
Endrin Ketone	53494-70-5	0.005	ND	
Alpha Chlordane	5103-71-9	0.001	ND	
Gamma Chlordane	5103-74-2	0.0002	ND	

Notes
 Analytical methods: SW-846 8081.
 All results are reported on an "as received" basis in mg/kg.
 J - Estimated value.

Summary of DNAPL Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

MP & A Sample ID MW-1 MW-2
Lab Sample Number 2677693 2677694
Date Collected 3/13/97 3/13/97

Parameter	CAS Number	Method Detection Limit	Result	Notes	Method Detection Limit	Result	Notes
TCL Volatiles							
1,1-Dichloroethene	75-35-4	13	ND	J	13	ND	J
Trichloroethene	79-01-6	6.3	ND	J	6.3	ND	J
Benzene	71-43-2	6.3	36	J	6.3	92	J
Toluene	108-88-3	6.3	190	J	6.3	350	J
Chlorobenzene	108-90-7	6.3	ND	J	6.3	ND	J
Xylenes (total)	1330-20-7	6.3	1000	J	6.3	1100	J
Chloromethane	74-87-3	13	ND	J	13	ND	J
Bromomethane	74-83-9	19	ND	J	19	ND	J
Vinyl Chloride	75-01-4	13	ND	J	13	ND	J
Chloroethane	75-00-3	19	ND	J	19	ND	J
Methylene Chloride	75-09-2	13	ND	J	13	ND	J
1,1-Dichloroethane	75-34-3	6.3	ND	J	6.3	ND	J
Chloroform	67-66-3	6.3	ND	J	6.3	ND	J
1,2-Dichloroethane	107-06-2	13	ND	J	13	ND	J
1,1,1-Trichloroethane	71-55-6	6.3	ND	J	6.3	ND	J
Carbon Tetrachloride	56-23-5	6.3	ND	J	6.3	ND	J
Bromodichloromethane	75-27-4	13	ND	J	13	ND	J
1,1,2-Tetrachloroethane	79-34-5	6.3	ND	J	6.3	ND	J
1,2-Dichloropropane	78-87-5	19	ND	J	19	ND	J
trans-1,3-Dichloropropene	10061-02-6	6.3	ND	J	6.3	ND	J
Dibromochloromethane	124-48-1	6.3	ND	J	6.3	ND	J
1,1,2-Trichloroethane	79-00-5	13	ND	J	13	ND	J
cis-1,3-Dichloropropene	10061-01-5	6.3	ND	J	6.3	ND	J
Bromoform	75-25-2	6.3	ND	J	6.3	ND	J
Tetrachloroethene	127-18-4	6.3	ND	J	6.3	ND	J
Ethylbenzene	100-41-4	6.3	180	J	6.3	230	J
Acetone	67-64-1	44	ND	J	44	ND	J
Carbon Disulfide	75-15-0	19	ND	J	19	ND	J
2-Butanone	78-93-3	44	ND	J	44	ND	J
Vinyl Acetate	108-05-4	19	ND	J	19	ND	J
2-Hexanone	591-78-6	19	ND	J	19	ND	J
4-Methyl-2-pentanone	108-10-1	19	ND	J	19	ND	J
Styrene	100-42-5	6.3	120	J	6.3	240	J
trans-1,2-Dichloroethene	156-60-5	13	ND	J	13	ND	J
cis-1,2-Dichloroethene	156-59-2	13	ND	J	13	ND	J

Notes

Analytical methods: Volatiles by SW-846 8240B;

Semivolatiles by SW-846 8270B.

All results are reported on an "as received" basis in mg/l except moisture content, which is expressed as a percentage.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of DNAPL Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

MW-1
Lab Sample Number
Date Collected

2677693
3/13/97

MW-2
2677694
3/13/97

Parameter	CAS Number	Method Detection		Method Detection		Result	Notes
		Limit	Notes	Limit	Notes		
TCL Semivolatiles							
phenol	108-95-2			10		130	J
2-chlorophenol	95-57-8	5		5		ND	J
1,4-dichlorobenzene	106-46-7	5		5		ND	J
N-nitrosodi-n-propylamine	621-64-7	10		10		ND	J
1,2,4-trichlorobenzene	120-82-1	5		5		ND	J
4-chloro-3-methylphenol	59-50-7	10		10		ND	J
acenaphthene	83-32-9	400		800		17000	J
4-nitrophenol	100-02-7	25		25		ND	J
2,4-dinitrotoluene	121-14-2	10		10		ND	J
pentachlorophenol	87-86-5	25		25		ND	J
pyrene	129-00-0	800		1600		14000	J
2-nitrophenol	88-75-5	10		10		ND	J
2,4-dimethylphenol	105-67-9	20		20		2900	J
2,4-dichlorophenol	120-83-2	5		5		ND	J
2,4,6-trichlorophenol	88-06-2	10		10		ND	J
2,4-dinitrophenol	51-28-5	25		25		ND	J
bis (2-chloroethyl) ether	111-44-4	10		10		ND	J
1,3-dichlorobenzene	541-73-1	5		5		ND	J
1,2-dichlorobenzene	95-50-1	5		5		ND	J
hexachloroethane	67-72-1	10		10		ND	J
nitrobenzene	98-95-3	5		5		ND	J
isophorone	78-59-1	10		10		ND	J
bis (2-chloroethoxy) methane	111-91-1	5		5		ND	J
naphthalene	91-20-3	400		800		96000	J
hexachlorobutadiene	87-68-3	10		10		ND	J
hexachlorocyclopentadiene	77-47-4	25		25		ND	J
2-chloronaphthalene	91-58-7	5		5		ND	J
acenaphthylene	208-96-8	10		10		1100	J
dimethyl phthalate	131-11-3	5		5		ND	J
fluorene	86-73-7	400		800		18000	J
4-chlorophenyl phenyl ether	7005-72-3	10		10		ND	J
diethyl phthalate	84-66-2	10		10		ND	J
N-nitrosodiphenylamine	86-30-6	10		10		ND	J
4-bromophenyl phenyl ether	101-55-3	15		15		ND	J
hexachlorobenzene	118-74-1	15		15		ND	J

Notes

Analytical methods: Volatiles by SW-846 8240B;

Semivolatiles by SW-846 8270B.

All results are reported on an "as received" basis in mg/l except moisture content, which is expressed as a percentage.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of DNAPL Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

MP&A Sample ID
Lab Sample Number
Date Collected

MW-1
2677693
3/13/97

MW-2
2677694
3/13/97

Parameter	CAS Number	Method Detection		Method Detection		Result	Notes
		Limit	Notes	Limit	Notes		
phenanthrene	85-01-8	400	J	800	J	47000	J
anthracene	120-12-7	400	J	800	J	6500	J
di-n-butyl phthalate	84-74-2	5	ND	5	ND	ND	J
fluoranthene	206-44-0	400	J	800	J	19000	J
butyl benzy phthalate	85-08-7	10	ND	10	ND	ND	J
benzo (a) anthracene	56-55-3	400	J	800	J	3900	J
chrysene	218-01-9	400	J	800	J	3100	J
3,3'-dichlorobenzidine	91-94-1	20	ND	20	ND	ND	J
bis (2-ethylhexyl) phthalate	117-81-7	10	ND	10	ND	ND	J
di-n-octyl phthalate	117-84-0	10	ND	10	ND	ND	J
benzo (b) fluoranthene	205-99-2	800	J	1600	J	1800	J
benzo (k) fluoranthene	207-08-9	40	J	40	J	850	J
benzo (a) pyrene	50-32-8	800	J	20	J	1800	J
indeno (1,2,3-cd) pyrene	193-39-5	20	J	20	J	740	J
dibenz (a,h) anthracene	53-70-3	20	J	20	J	210	J
benzo (ghi) perylene	191-24-2	20	J	20	J	530	J
2-methylphenol	95-48-7	10	ND	15	ND	400	J
2,2'-oxybis (1-chloropropane)	108-60-1	15	ND	15	ND	ND	J
4-methylphenol	106-44-5	15	ND	30	J	810	J
4-chloroaniline	106-47-8	15	ND	15	ND	ND	J
2-methylnaphthalene	91-57-6	400	J	800	J	27000	J
2,4,5-trichlorophenol	95-95-4	10	ND	10	ND	ND	J
2-nitroaniline	88-74-4	10	ND	10	ND	ND	J
3-nitroaniline	99-09-2	10	ND	10	ND	ND	J
dibenzofuran	132-64-9	400	J	800	J	15000	J
2,6-dinitrotoluene	606-20-2	10	ND	10	ND	ND	J
4-nitroaniline	100-01-6	15	ND	15	ND	ND	J
4,6-dinitro-2-methylphenol	534-52-1	25	ND	25	ND	ND	R
carbazole	86-74-8	400	J	800	J	3000	J
Molsture Content		0.08	48.8	0.08	45.7		

Notes

Analytical methods: Volatiles by SW-846 8240B;
Semivolatiles by SW-846 8270B.

All results are reported on an "as received" basis in mg/l except moisture content, which is expressed as a percentage.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of Groundwater Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MP&A Sample ID		MW-03		MW-04		MW-04 dup (a)		MW-05		MW-01	
			Lab Sample Number	Date Collected	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
Volatiles														
2-Butanone	78-93-3	0.003	ND		ND		NA		NA		ND		ND	
Bromomethane	74-83-9	0.003	ND		ND		NA		NA		ND		ND	
Chloromethane	74-87-3	0.003	ND		ND		NA		NA		ND		ND	
Vinyl Chloride	75-01-4	0.002	ND		ND		NA		NA		ND		ND	
Chloroethane	75-00-3	0.003	ND		ND		NA		NA		ND		ND	
Methylene Chloride	75-09-2	0.002	ND		ND		NA		NA		ND		ND	
Acetone	67-64-1	0.006	ND		ND		NA		NA		ND		ND	
Carbon Disulfide	75-15-0	0.003	0.023		0.027		NA		NA		ND		0.057	
1,1-Dichloroethene	75-35-4	0.001	ND		ND		NA		NA		ND		ND	
1,1-Dichloroethane	75-34-3	0.002	ND		ND		NA		NA		ND		ND	
Chloroform	67-66-3	0.001	ND		ND		NA		NA		ND		0.006	
1,2-Dichloroethane	107-06-2	0.002	ND		ND		NA		NA		ND		ND	
1,1,1-Trichloroethane	71-55-6	0.001	ND		ND		NA		NA		ND		ND	
Carbon Tetrachloride	56-23-5	0.001	ND		ND		NA		NA		ND		ND	
Vinyl Acetate	108-05-4	0.002	ND		ND	R	NA		NA		ND		ND	R
Bromodichloromethane	75-27-4	0.001	ND		ND		NA		NA		ND		ND	
1,2-Dichloropropane	78-87-5	0.001	ND		ND		NA		NA		ND		ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	ND		ND		NA		NA		ND		ND	
Trichloroethene	79-01-6	0.001	ND		ND		NA		NA		ND		ND	
Dibromochloromethane	124-48-1	0.002	ND		ND		NA		NA		ND		ND	
1,1,2-Trichloroethane	79-00-5	0.002	ND		ND		NA		NA		ND		ND	
Benzene	71-43-2	0.001	ND		ND		NA		NA		ND		ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	ND		ND		NA		NA		ND		ND	
Bromoform	75-25-2	0.001	ND		ND		NA		NA		ND		ND	
2-Hexanone	591-78-6	0.007	ND		ND		NA		NA		ND		ND	
4-Methyl-2-pentanone	108-10-1	0.005	ND		ND		NA		NA		ND		ND	
Tetrachloroethene	127-18-4	0.001	ND		ND		NA		NA		ND		ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.002	ND		ND		NA		NA		ND		ND	
Toluene	108-88-3	0.002	ND		ND		NA		NA		ND		ND	
Chlorobenzene	108-90-7	0.001	ND		ND		NA		NA		ND		ND	

Notes
 Analytical methods: Volatiles by SW-846 8240B;
 Semivolatiles by SW-846 8270B; Pesticides PCBs by SW-846 8081;
 Inorganics by appropriate SW-846 methods
 All results are reported in mg/L.
 (a) Sample MW-04 dup is a laboratory duplicate of sample MW-04 and was analyzed for metals only.
 (b) Sample MW-23 is a blind duplicate of sample MW-03.
 J - Estimated value; in cases of ND, indicates MDL is estimated.
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Summary of Groundwater Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MW-03 2677529 3/12/97	MW-04 2677530 3/12/97	MW-04 dup (a) 2677531 3/12/97	MW-05 2677535 3/12/97	MW-01 2677536 3/12/97	Notes
Ethylbenzene	100-41-4	0.002	ND	ND	NA	ND	ND	
Styrene	100-42-5	0.001	ND	ND	NA	ND	ND	
Xylene (total)	1330-20-7	0.001	ND	ND	NA	ND	ND	
trans-1,2-Dichloroethene	156-60-5	0.002	ND	ND	NA	ND	ND	
cis-1,2-Dichloroethene	156-59-2	0.002	ND	ND	NA	ND	ND	
Metals								
Aluminum	7429-90-5	0.057	11.1	16.6	19.8	47.8	9.03	
Antimony	7440-36-0	0.015	ND	ND	ND	ND	ND	R
Barium	7440-39-3	0.0022	0.25	0.49	0.51	0.61	0.27	
Beryllium	7440-41-7	0.0013	0.0043	0.0042	0.0022	0.0071	0.0017	J
Cadmium	7440-43-9	0.0027	ND	ND	ND	ND	ND	
Calcium	7440-70-2	0.03	17.7	42.6	42.9	19.2	12.7	J
Chromium	7440-47-3	0.0043	0.028	0.0185	0.0217	0.071	0.042	J
Cobalt	7440-48-4	0.0055	0.0132	0.0156	0.0177	0.0403	0.0121	J
Copper	7440-50-8	0.0038	ND	ND	0.0217	0.047	ND	
Iron	7439-89-6	0.0059	26.3	21.9	27.1	79.3	13.2	J
Magnesium	7439-93-4	0.024	4.67	20.6	21.5	10.3	4.18	J
Manganese	7439-96-5	0.0029	0.5	1.22	1.26	1.09	0.343	J
Nickel	7440-02-0	0.0054	0.0163	0.0305	0.035	0.0407	0.0124	J
Potassium	7440-09-7	0.15	2.92	5.67	6.1	5.64	2.21	
Silver	7440-22-4	0.0036	ND	ND	ND	ND	ND	
Sodium	7440-23-5	0.2	19.5	53.4	59.4	19.6	15.5	
Vanadium	7440-62-2	0.007	0.047	0.048	0.054	0.109	0.051	
Zinc	7440-66-6	0.012	ND	0.085	0.089	0.135	0.075	
Thallium TR	7440-28-0	0.0045	ND	ND	ND	ND	ND	
Arsenic TR	7440-38-2	0.0027	0.067	0.012	0.014	0.057	0.047	
Selenium TR	7782-49-2	0.0027	ND	ND	ND	ND	0.0044	J
Lead TR	7439-92-1	0.002	0.0207	0.0262	0.0301	0.0669	ND	
Mercury	7439-97-6	0.000043	ND	ND	0.000093	ND	0.00023	

Notes
 Analytical methods: Volatiles by SW-846 8240B;
 Semivolatiles by SW-846 8270B; Pesticides PCBs by SW-846 8081;
 Inorganics by appropriate SW-846 methods
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Summary of Groundwater Analytical Results

Former Gulf States Crossosing Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MP&A Sample ID		MW-03		MW-04		MW-04 dup (a)		MW-05		MW-01	
			Lab Sample Number	Date Collected	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
Pesticides/PCBs														
Endrin Ketone	53494-70-5	0.000004	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Alpha Chlordane	5103-71-9	0.000001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Gamma Chlordane	5103-74-2	0.000001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Alpha BHC	319-84-6	0.000001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Beta BHC	319-85-7	0.000001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Gamma BHC - Lindane	58-89-9	0.000001	ND	J	ND	J	NA	NA	NA	0.000002	J	0.000002	0.000002	J
Delta BHC	319-86-8	0.000003	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Heptachlor	76-44-8	0.000002	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Aldrin	309-00-2	0.000006	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Heptachlor Epoxide	1024-57-3	0.000001	ND	J	ND	J	NA	NA	NA	0.000002	J	0.000002	0.000002	J
DDE	72-55-9	0.000001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
DDD	72-54-8	0.000005	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
DDT	50-29-3	0.000009	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Dieldrin	60-57-1	0.000001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Endrin	72-20-8	0.000007	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Toxaphene	8001-35-2	0.0004	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Endosulfan II	33213-65-9	0.000005	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Endosulfan I	959-98-8	0.000002	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Endosulfan Sulfate	1031-07-8	0.000003	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Endrin Aldehyde	7421-93-4	0.000005	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
PCB-1016	12674-11-2	0.000004	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
PCB-1221	11104-28-2	0.0001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
PCB-1232	11141-16-5	0.00005	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
PCB-1242	53469-21-9	0.0001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
PCB-1248	12672-29-6	0.00004	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
PCB-1254	11097-69-1	0.0001	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
PCB-1260	11096-82-5	0.00004	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J
Methoxychlor	72-43-5	0.00002	ND	J	ND	J	NA	NA	NA	ND	J	ND	ND	J

Notes
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Summary of Groundwater Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MW-03 2677529 3/12/97	MW-04 2677530 3/12/97	MW-04 dup (a) 2677531 3/12/97	MW-05 2677535 3/12/97	MW-01 2677536 3/12/97	Result	Notes	Result	Notes	Result	Notes	Result	Notes
Semivolatiles															
acenaphthene	83-32-9	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
acenaphthylene	208-96-8	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
anthracene	120-12-7	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
benzo (a) anthracene	56-55-3	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
benzo (b) fluoranthene	205-99-2	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
benzo (k) fluoranthene	207-08-9	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
benzo (ghi) perylene	191-24-2	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
benzo (a) pyrene	50-32-8	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
bis (2-chloroethoxy) methane	111-91-1	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
bis (2-chloroethyl) ether	111-44-4	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
bis (2-ethylhexyl) phthalate	117-81-7	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
4-bromophenyl phenyl ether	101-55-3	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
butyl benzyl phthalate	85-68-7	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
4-chloroaniline	106-47-8	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
4-chloro-3-methylphenol	59-50-7	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
2-chloronaphthalene	91-58-7	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
2-chlorophenol	95-57-8	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
4-chlorophenyl phenyl ether	7005-72-3	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
chrysene	218-01-9	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
dibenzofuran	132-64-9	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
di-n-butyl phthalate	84-74-2	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
di-benz (a,h) anthracene	53-70-3	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
1,2-dichlorobenzene	95-50-1	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
1,3-dichlorobenzene	541-73-1	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
1,4-dichlorobenzene	106-46-7	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
3,3'-dichlorobenzidine	91-94-1	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
2,4-dichlorophenol	120-83-2	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
diethyl phthalate	84-66-2	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
2,4-dimethylphenol	105-67-9	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	
dimethyl phthalate	131-11-3	0.003	ND	ND	NA	ND	ND	ND		ND		ND		ND	
2,4-dinitrophenol	51-28-5	0.005	ND	ND	NA	ND	ND	ND		ND		ND		ND	
2,4-dinitrotoluene	121-14-2	0.002	ND	ND	NA	ND	ND	ND		ND		ND		ND	
2,6-dinitrotoluene	606-20-2	0.001	ND	ND	NA	ND	ND	ND		ND		ND		ND	

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Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MP&A Sample ID Lab Sample Number Date Collected	MW-03 2677529 3/12/97	MW-04 2677530 3/12/97	MW-04 dup (a) 2677531 3/12/97	MW-05 2677535 3/12/97	MW-01 2677536 3/12/97	Result	Notes	Result	Notes	Result	Notes	Result	Notes
di-n-octyl phthalate	117-84-0	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
fluoranthene	206-44-0	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
fluorene	86-73-7	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
hexachlorobenzene	118-74-1	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
hexachlorobutadiene	87-68-3	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
hexachlorocyclopentadiene	77-47-4	0.003		ND	ND	NA	ND	ND	ND		ND		ND		ND	
hexachloroethane	67-72-1	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
indeno (1,2,3-cd) pyrene	193-39-5	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
isophorone	78-59-1	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
2-methylnaphthalene	91-57-6	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
naphthalene	91-20-3	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
2-nitroaniline	88-74-4	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
3-nitroaniline	99-69-2	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
4-nitroaniline	100-01-6	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
nitrobenzene	98-95-3	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
2-nitrophenol	88-75-5	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
4-nitrophenol	100-02-7	0.005		ND	ND	NA	ND	ND	ND		ND		ND		ND	
N-nitrosodiphenylamine	86-30-6	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
N-nitrosodi-n-propylamine	621-64-7	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
pentachlorophenol	87-86-5	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
phenanthrene	85-01-8	0.001		0.002		NA				J						
phenol	108-95-2	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
pyrene	129-00-0	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
1,2,4-trichlorobenzene	120-82-1	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
2,4,5-trichlorophenol	95-95-4	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
2,4,6-trichlorophenol	88-06-2	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
2-methylphenol	95-48-7	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
2,2'oxybis (1-chloropropane)	108-50-1	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
4-methylphenol	106-44-5	0.002		ND	ND	NA	ND	ND	ND		ND		ND		ND	
4,6-dinitro-2-methylphenol	534-52-1	0.005		ND						R						
carbazole	86-74-8	0.001		ND	ND	NA	ND	ND	ND		ND		ND		ND	
Total cyanide	57-12-5	0.000004		ND	ND	ND	ND	ND	ND		ND		ND		ND	

Notes

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Summary of Groundwater Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MP&A Sample ID Lab Sample Number Date Collected	Sample Specific MDL	Result	Notes	Sample Specific MDL	Result	Notes
Volatiles									
2-Butanone	78-93-3	0.003	MW-3 2677537 3/12/97	0.06	ND		0.06	ND	
Bromomethane	74-83-9	0.003	MW-23 (b) 2677538 3/12/97	0.06	ND		0.06	ND	
Chloromethane	74-87-3	0.003		0.06	ND		0.06	ND	
Vinyl Chloride	75-01-4	0.002		0.04	ND		0.04	ND	
Chloroethane	75-00-3	0.003		0.06	ND		0.06	ND	
Methylene Chloride	75-09-2	0.002		0.04	ND		0.04	ND	
Acetone	67-64-1	0.006		0.12	ND		0.12	ND	
Carbon Disulfide	75-15-0	0.003		0.06	ND		0.06	ND	
1,1-Dichloroethene	75-35-4	0.001		0.02	ND		0.02	ND	
1,1-Dichloroethane	75-34-3	0.002		0.04	ND		0.04	ND	
Chloroform	67-66-3	0.001		0.02	ND		0.02	ND	
1,2-Dichloroethane	107-06-2	0.002		0.04	ND		0.04	ND	
1,1,1-Trichloroethane	71-55-6	0.001		0.02	ND		0.02	ND	
Carbon Tetrachloride	56-23-5	0.001		0.02	ND		0.02	ND	
Vinyl Acetate	108-05-4	0.002		0.04	ND		0.04	ND	
Bromodichloromethane	75-27-4	0.001		0.02	ND	R	0.02	ND	R
1,2-Dichloropropane	78-87-5	0.001		0.02	ND		0.02	ND	
trans-1,3-Dichloropropene	10061-02-6	0.001		0.02	ND		0.02	ND	
Trichloroethene	79-01-6	0.001		0.02	ND		0.02	ND	
Dibromochloromethane	124-48-1	0.002		0.04	ND		0.04	ND	
1,1,2-Trichloroethane	79-00-5	0.002		0.04	ND		0.04	ND	
Benzene	71-43-2	0.001		0.02	0.81		0.02	0.79	
cis-1,3-Dichloropropene	10061-01-5	0.001		0.02	ND		0.02	ND	
Bromoform	75-25-2	0.001		0.02	ND		0.02	ND	
2-Hexanone	591-78-6	0.007		0.14	ND		0.14	ND	
4-Methyl-2-pentanone	108-10-1	0.005		0.1	ND		0.1	ND	
Tetrachloroethene	127-18-4	0.001		0.02	ND		0.02	ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.002		0.04	ND		0.04	ND	
Toluene	108-88-3	0.002		0.04	0.44		0.04	0.43	
Chlorobenzene	108-90-7	0.001		0.02	ND		0.02	ND	

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Summary of Groundwater Analytical Results
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MP&A Sample ID		MW-23 (b)		MW-4		
			Lab Sample Number	Date Collected	Lab Sample Number	Date Collected	Lab Sample Number	Date Collected	
Ethylbenzene	100-41-4	0.002	0.04	0.062	J	0.06	ND	ND	
Styrene	100-42-5	0.001	0.02	0.085	J	0.077	ND	ND	
Xylenes (total)	1330-20-7	0.001	0.02	0.38	J	0.37	ND	ND	
trans-1,2-Dichloroethene	156-60-5	0.002	0.04	ND		ND	ND	ND	
cis-1,2-Dichloroethene	156-59-2	0.002	0.04	ND		ND	ND	ND	
Metals									
Aluminum	7429-90-5	0.057		7.32	J	14.8	1.77		
Antimony	7440-36-0	0.015		ND	R	ND	ND	R	
Barium	7440-39-3	0.0022		0.11	J	0.16	0.0917	J	
Beryllium	7440-41-7	0.0013		0.0037	J	0.0026	ND		
Cadmium	7440-43-9	0.0027		ND		ND	ND	J	
Calcium	7440-70-2	0.03		2.84	J	3.67	5.85		
Chromium	7440-47-3	0.0043		0.0197	J	0.038	ND		
Cobalt	7440-48-4	0.0055		ND	J	0.0086	ND		
Copper	7440-50-8	0.0038		ND	J	ND	ND		
Iron	7439-89-6	0.0059		9.84	J	15.3	2.3	J	
Magnesium	7439-95-4	0.024		1.8	J	2.39	1.93		
Manganese	7439-96-5	0.0029		0.061	J	0.088	0.128	J	
Nickel	7440-02-0	0.0054		0.0068	J	0.0112	ND		
Potassium	7440-09-7	0.15		1.15	J	1.59	1.73	J	
Silver	7440-22-4	0.0036		ND		ND	ND		
Sodium	7440-23-5	0.2		13.7	J	14.2	7.18		
Vanadium	7440-62-2	0.007		0.035	J	0.063	ND		
Zinc	7440-66-6	0.012		ND	J	0.093	ND		
Thallium TR	7440-28-0	0.0045		ND		ND	0.011	J	
Arsenic TR	7440-38-2	0.0027		0.068		0.07	0.025		
Selenium TR	7782-49-2	0.0027		ND		ND	ND		
Lead TR	7439-92-1	0.002		ND		0.0225	ND	J	
Mercury	7439-97-6	0.000043		ND	J	0.00026	ND	J	

Notes

- Analytical methods: Volatiles by SW-846 8240B; Semivolatiles by SW-846 8270B; Pesticides PCBs by SW-846 808 I; Inorganics by appropriate SW-846 methods
- All results are reported in mg/l.
- (a) Sample MW-04 dup is a laboratory duplicate of sample MW-04 and was analyzed for metals only.
- (b) Sample MW-23 is a blind duplicate of sample MW-03.
- J - Estimated value; in cases of ND, indicates MDL is estimated.
- R - Unusable result; analyte may or may not be present in the sample.

Summary of Groundwater Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MP&A Sample ID Lab Sample Number Date Collected	MW-3 2677537 3/12/97	MW-23 (b) 2677538 3/12/97	MW-4 2677539 3/12/97
				Sample Specific MDL	Sample Specific MDL	Sample Specific MDL
Pesticides/PCBs						
Endrin Ketone	53494-70-5	0.000004		ND	ND	ND
Alpha Chlordane	5103-71-9	0.000001		ND	ND	ND
Gamma Chlordane	5103-74-2	0.000001		ND	ND	ND
Alpha BHC	319-84-6	0.000001		ND	ND	ND
Beta BHC	319-85-7	0.000001		ND	ND	ND
Gamma BHC - Lindane	58-89-9	0.000001		ND	ND	ND
Delta BHC	319-86-8	0.000003		ND	ND	ND
Heptachlor	76-44-8	0.000002		ND	ND	ND
Aldrin	309-00-2	0.000006		ND	ND	ND
Heptachlor Epoxide	1024-57-3	0.000001		ND	ND	ND
DDE	72-55-9	0.000001		ND	0.00002	ND
DDD	72-54-8	0.000005		ND	ND	ND
DDT	50-29-3	0.000009		ND	0.00001	ND
Dieldrin	60-57-1	0.000001		ND	ND	ND
Endrin	72-20-8	0.000007		0.00004	ND	ND
Toxaphene	8001-35-2	0.0004		ND	ND	ND
Endosulfan II	33213-65-9	0.000005		ND	ND	ND
Endosulfan I	959-98-8	0.000002		ND	0.000009	ND
Endosulfan Sulfate	1031-07-8	0.000003		ND	ND	ND
Endrin Aldehyde	7421-93-4	0.000005		ND	0.000024	ND
PCB-1016	12674-11-2	0.00004		ND	0.000024	ND
PCB-1221	11104-28-2	0.0001		ND	ND	ND
PCB-1232	11141-16-5	0.00005		ND	ND	ND
PCB-1242	53469-21-9	0.0001		ND	ND	ND
PCB-1248	12672-29-6	0.00004		ND	ND	ND
PCB-1254	11097-69-1	0.0001		ND	ND	ND
PCB-1260	11096-82-5	0.00004		ND	ND	ND
Methoxychlor	72-43-5	0.00002		ND	ND	ND

Notes

- Analytical methods: Volatiles by SW-846 8240B; Semivolatiles by SW-846 8270B; Pesticides PCBs by SW-846 8081; Inorganics by appropriate SW-846 methods
- All results are reported in mg/l.
- (a) Sample MW-04 dup is a laboratory duplicate of sample MW-04 and was analyzed for metals only.
- (b) Sample MW-23 is a blind duplicate of sample MW-03.
- J - Estimated value; in cases of ND, indicates MDL is estimated.
- R - Unusable result; analyte may or may not be present in the sample.

Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MP&A Sample ID Lab Sample Number Date Collected	MW-3 2677537 3/12/97	MW-23 (b) 2677538 3/12/97	MW-4 2677539 3/12/97
				Result	Result	Result
				Notes	Notes	Notes
			Sample Specific MDL			
Semivolatiles						
acenaphthene	83-32-9	0.001		0.3	0.31	ND
acenaphthylene	208-96-8	0.001		0.019	0.02	ND
anthracene	120-12-7	0.001		0.02	0.017	ND
benzo (a) anthracene	56-55-3	0.001		0.007	0.004	ND
benzo (b) fluoranthene	205-99-2	0.002		0.005	0.003	ND
benzo (k) fluoranthene	207-08-9	0.002		ND	ND	ND
benzo (ghi) perylene	191-24-2	0.002		ND	ND	ND
benzo (a) pyrene	50-32-8	0.002		0.003	ND	ND
bis (2-chloroethoxy) methane	111-91-1	0.001		ND	ND	ND
bis (2-chloroethyl) ether	111-44-4	0.001		ND	ND	ND
bis (2-ethylhexyl) phthalate	117-81-7	0.002		ND	0.0004	0.019
4-bromophenyl phenyl ether	101-55-3	0.002		0.007	ND	ND
butyl benzyl phthalate	85-68-7	0.002		ND	ND	ND
4-chloroaniline	106-47-8	0.002		ND	ND	ND
4-chloro-3-methylphenol	59-50-7	0.002		ND	ND	ND
2-chloronaphthalene	91-58-7	0.001		ND	ND	ND
2-chlorophenol	95-57-8	0.001		ND	ND	ND
4-chlorophenyl phenyl ether	7005-72-3	0.002		ND	ND	ND
chrysene	218-01-9	0.001		0.007	0.004	0.004
dibenzofuran	132-64-9	0.001		0.15	0.15	ND
di-n-butyl phthalate	84-74-2	0.001		ND	ND	ND
dibenz (a,h) anthracene	53-70-3	0.002		ND	ND	ND
1,2-dichlorobenzene	95-50-1	0.001		ND	ND	ND
1,3-dichlorobenzene	541-73-1	0.001		ND	ND	ND
1,4-dichlorobenzene	106-46-7	0.001		ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	0.002		ND	ND	ND
2,4-dichlorophenol	120-83-2	0.002		ND	ND	ND
diethyl phthalate	84-66-2	0.002		ND	ND	ND
2,4-dimethylphenol	105-67-9	0.001		4.5	5.2	ND
dimethyl phthalate	131-11-3	0.003		ND	ND	ND
2,4-dinitrophenol	51-28-5	0.005		ND	ND	ND
2,4-dinitrotoluene	121-14-2	0.002		ND	ND	ND
2,6-dinitrotoluene	606-20-2	0.001		ND	ND	ND

Notes

Analytical methods: Volatiles by SW-846 8240B;

Semivolatiles by SW-846 8270B; Pesticides PCBs by SW-846 8081;

Inorganics by appropriate SW-846 methods

All results are reported in mg/L.

(a) Sample MW-04 dup is a laboratory duplicate of sample MW-04 and

was analyzed for metals only.

(b) Sample MW-23 is a blind duplicate of sample MW-03.

J - Estimated value; in cases of ND, indicates MDL is estimated.

R - Unusable result; analyte may or may not be present in the sample.

Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	Method Detection Limit	MP&A Sample ID Lab Sample Number Date Collected	Sample Specific MDL	Result	Notes	Sample Specific MDL	Result	Notes
di-n-octyl phthalate	117-84-0	0.002	MW-3 2677537 3/12/97		ND			ND	
fluoranthene	206-44-0	0.001			0.034			ND	
fluorene	86-73-7	0.001			0.14			0.02	
hexachlorobenzene	118-74-1	0.001			ND			0.14	
hexachlorobutadiene	87-68-3	0.001			ND	J		ND	
hexachlorocyclopentadiene	77-47-4	0.003			ND			ND	
hexachloroethane	67-72-1	0.002			ND			ND	
indeno (1,2,3-cd) pyrene	193-39-5	0.002			ND			ND	
isophorone	78-59-1	0.001			ND	J		ND	
2-methylnaphthalene	91-57-6	0.001			1.1	J		0.99	
naphthalene	91-20-3	0.001			5.8	J		11	
2-nitroaniline	88-74-4	0.001			ND			ND	
3-nitroaniline	99-09-2	0.001			ND			ND	
4-nitroaniline	100-01-6	0.002			ND			ND	
nitrobenzene	98-95-3	0.001			ND	J		ND	
2-nitrophenol	88-75-5	0.002			ND	J		ND	
4-nitrophenol	100-02-7	0.005			ND			ND	
N-nitrosodiphenylamine	86-30-6	0.002			ND			ND	
N-nitrosodi-n-propylamine	621-64-7	0.002			ND			ND	
pentachlorophenol	87-86-5	0.001			ND			ND	
phenanthrene	85-01-8	0.001			0.13			ND	
phenol	108-95-2	0.001			0.32	J		0.36	
pyrene	129-00-0	0.001			0.023			0.014	
1,2,4-trichlorobenzene	120-82-1	0.001			ND	J		ND	
2,4,5-trichlorophenol	95-95-4	0.001			ND			ND	
2,4,6-trichlorophenol	88-06-2	0.001			ND			ND	
2-methylphenol	95-48-7	0.002			1.3			1.2	
2,2'oxybis (1-chloropropane)	108-60-1	0.002			ND			ND	
4-methylphenol	106-44-5	0.002			1.8			2	
4,6-dinitro-2-methylphenol	534-52-1	0.005			ND	R		ND	R
carbazole	86-74-8	0.001			0.38	J		0.39	
Total cyanide	57-12-5	0.000004			ND			ND	

Notes

- Analytical methods: Volatiles by SW-846 8240B; Semivolatiles by SW-846 8270B; Pesticides PCBs by SW-846 8081; Inorganics by appropriate SW-846 methods
- All results are reported in mg/l.
- (a) Sample MW-04 dup is a laboratory duplicate of sample MW-04 and was analyzed for metals only.
- (b) Sample MW-23 is a blind duplicate of sample MW-03.
- J - Estimated value; in cases of ND, indicates MDL is estimated.
- R - Unusable result; analyte may or may not be present in the sample.

Summary of Surface Analytical Results
 Former Gulf States Creosoting Site
 Hattiesburg, Mississippi

Parameter	CAS Number	MP&A Sample ID Lab Sample Number Date Collected	SS-11 2677435 3/13/97	SS-6 2677436 3/13/97	SS-8 2677439 3/13/97	SS-9 2677440 3/13/97	SS-4 2677441 3/13/97	SS-10 2677442 3/13/97	SS-7 2677443 3/13/97	Result	Notes	Result	Notes	Result	Notes	Result	Notes
			Method Detection Limit														
TCL Semivolatiles																	
phenol	108-95-2		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
2-chlorophenol	95-57-8		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
1,4-dichlorobenzene	106-46-7		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
N-nitrosodi-n-propylamine	621-64-7		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
1,2,4-trichlorobenzene	120-82-1		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
4-chloro-3-methylphenol	59-50-7		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
acenaphthene	83-32-9		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
4-nitrophenol	100-02-7		0.17	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
2,4-dinitrotoluene	121-14-2		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
pentachlorophenol	87-86-5		0.17	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
pyrene	129-00-0		0.067	ND	1.1	0.4	0.54	3.5	ND	ND		ND		ND		ND	
2-nitrophenol	88-75-5		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
2,4-dimethylphenol	105-67-9		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
2,4-dichlorophenol	120-83-2		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
2,4,6-trichlorophenol	88-06-2		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
2,4-dinitrophenol	51-28-5		0.17	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
bis (2-chloroethyl) ether	111-44-4		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
1,3-dichlorobenzene	541-73-1		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
1,2-dichlorobenzene	95-50-1		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
hexachloroethane	67-72-1		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
nitrobenzene	98-95-3		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
isophorone	78-59-1		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
bis (2-chloroethoxy) methane	111-91-1		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
naphthalene	91-20-3		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
hexachlorobutadiene	87-68-3		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
hexachlorocyclopentadiene	77-47-4		0.17	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
2-chloronaphthalene	91-58-7		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
acenaphthylene	208-96-8		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
dimethyl phthalate	131-11-3		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
fluorene	86-73-7		0.033	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
4-chlorophenyl phenyl ether	7005-72-3		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
diethyl phthalate	84-66-2		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
N-nitrosodiphenylamine	86-30-6		0.067	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
4-bromophenyl phenyl ether	101-55-3		0.1	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
hexachlorobenzene	118-74-1		0.1	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND	
phenanthrene	85-01-8		0.033	ND	0.063	0.063	0.068	0.43	ND	ND		ND		ND		ND	
anthracene	120-12-7		0.033	ND	0.11	0.06	0.06	0.53	ND	ND		ND		ND		ND	

Notes
 Analytical method: SW-846 8270B
 All results are reported on an "as received" basis in mg/kg.
 All samples were collected from 0 - 12" depth interval.
 (a) Sample SS-27 is a blind duplicate of sample SS-7.
 J - Estimated value; in cases of ND, indicates MDL is estimated.
 R - Unusable result; analyte may or may not be present in the sample.

Summary of Surface Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	MP&A Sample ID Lab Sample Number Date Collected	Method Detection Limit	SS-11		SS-6		SS-8		SS-9		SS-4		SS-10		SS-7	
				Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
di-n-butyl phthalate	84-74-2		0.033	ND		ND		ND		ND		0.049	J	0.11	J	0.046	J
fluoranthene	206-44-0		0.033	0.12	J	ND		0.95		0.26	J	0.3	J	3.1	ND	ND	
butyl benzyl phthalate	85-68-7		0.067	ND		ND		ND		ND		ND		ND		ND	
benzo (a) anthracene	56-55-3		0.033	0.067	J	ND		0.64		0.22	J	0.27	J	2.3	ND	ND	
chrysene	218-01-9		0.033	0.11	J	ND		0.85		0.21	J	0.36		3.4	ND	ND	
3,3'-dichlorobenzidine	91-94-1		0.13	ND		ND		ND		ND		ND		ND		ND	
bis (2-ethylhexyl) phthalate	117-81-7		0.067	ND		ND		ND		ND		ND		ND		ND	
di-n-octyl phthalate	117-84-0		0.067	ND		ND		ND		ND		ND		ND		ND	
benzo (b) fluoranthene	205-99-2		0.067	0.18	J	ND		1.4		0.7		0.93		5.2	ND	ND	
benzo (k) fluoranthene	207-08-9		0.13	ND		ND		0.53		0.25	J	0.34		2.3	ND	ND	
benzo (a) pyrene	50-32-8		0.067	0.084	J	ND		0.65		0.33	J	0.21	J	2.4	ND	ND	
indeno (1,2,3-cd) pyrene	193-39-5		0.067	ND		ND		0.54		0.23	J	0.3	J	2.1	ND	ND	
dibenz (a,h) anthracene	53-70-3		0.067	ND		ND		0.15	J	ND		0.072	J	0.64	ND	ND	
benzo (ghi) perylene	191-24-2		0.067	ND		ND		0.42		0.17	J	0.2	J	1.8	ND	ND	
2-methylphenol	95-48-7		0.067	ND		ND		ND		ND		ND		ND	ND	ND	
2,2'-oxybis (1-chloropropane)	108-60-1		0.1	ND		ND		ND		ND		ND		ND	ND	ND	
4-methylphenol	106-44-5		0.1	ND		ND		ND		ND		ND		ND	ND	ND	
4-chloroaniline	106-47-8		0.1	ND		ND		ND		ND		ND		ND	ND	ND	
2-methylnaphthalene	91-57-6		0.033	ND		ND		ND		ND		ND		ND	ND	ND	
2,4,5-trichlorophenol	95-95-4		0.067	ND		ND		ND		ND		ND		0.16	J	ND	
2-nitroaniline	88-74-4		0.067	ND		ND		ND		ND		ND		ND	ND	ND	
3-nitroaniline	99-09-2		0.067	ND		ND		ND		ND		ND		ND	ND	ND	
dibenzofuran	132-64-9		0.033	ND		ND		ND		ND		ND		ND	ND	ND	
2,6-dinitrotoluene	606-20-2		0.067	ND		ND		ND		ND		ND		0.098	J	ND	
4-nitroaniline	100-01-6		0.1	ND		ND		ND		ND		ND		ND	ND	ND	
4,6-dinitro-2-methylphenol	534-52-1		0.17	ND	R	ND		ND	R	ND	R	ND		ND	ND	ND	
carbazole	86-74-8		0.033	ND		ND		0.043	J	ND		ND		0.26	J	ND	

Notes

Analytical method: SW-846 8270B
All results are reported on an "as received" basis in mg/kg.
All samples were collected from 0 - 12" depth interval.
(a) Sample SS-27 is a blind duplicate of sample SS-7.
J - Estimated value; in cases of ND, indicates MDL is estimated.
R - Unusable result; analyte may or may not be present in the sample.

Summary of Surface Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	MP&A Sample ID Lab Sample Number Date Collected	Method Detection Limit	SS-27 (a) 2677446 3/13/97	SS-5 2677444 3/13/97	SS-12 2677445 3/13/97	SS-3 2677447 3/13/97	SS-1 2678197 3/14/97	SS-15 2678198 3/14/97	SS-14 2678199 3/14/97	Result	Notes
TCL Semivolatiles												
phenol	108-95-2		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
2-chlorophenol	95-57-8		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-dichlorobenzene	106-46-7		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
N-nitrosodi-n-propylamine	621-64-7		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-trichlorobenzene	120-82-1		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
4-chloro-3-methylphenol	59-50-7		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
acenaphthene	83-32-9		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
4-nitrophenol	100-02-7		0.17	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dinitrotoluene	121-14-2		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
pentachlorophenol	87-86-5		0.17	ND	ND	ND	ND	ND	ND	ND	ND	
pyrene	129-00-0		0.067	0.098	0.48	0.64	0.83	0.12	0.12	0.12	0.12	J
2-nitrophenol	88-75-5		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dinitrophenol	105-67-9		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dichlorophenol	120-83-2		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,6-trichlorophenol	88-06-2		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dinitrophenol	51-28-5		0.17	ND	ND	ND	ND	ND	ND	ND	ND	
bis (2-chloroethyl) ether	111-44-4		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-dichlorobenzene	541-73-1		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-dichlorobenzene	95-50-1		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
hexachloroethane	67-72-1		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
nitrobenzene	98-95-3		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
isophorone	78-59-1		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
bis (2-chloroethoxy) methane	111-91-1		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
naphthalene	91-20-3		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorobutadiene	87-68-3		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorocyclopentadiene	77-47-4		0.17	ND	ND	ND	ND	ND	ND	ND	ND	
2-chloronaphthalene	91-58-7		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
acenaphthylene	208-96-8		0.033	ND	ND	ND	0.037	ND	ND	ND	ND	J
dimethyl phthalate	131-11-3		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
fluorene	86-73-7		0.033	ND	ND	ND	ND	ND	ND	ND	ND	
4-chlorophenyl phenyl ether	7005-72-3		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
diethyl phthalate	84-66-2		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
N-nitrosodiphenylamine	86-30-6		0.067	ND	ND	ND	ND	ND	ND	ND	ND	
4-bromophenyl phenyl ether	101-55-3		0.1	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorobenzene	118-74-1		0.1	ND	ND	ND	ND	ND	ND	ND	ND	
phenanthrene	85-01-8		0.033	ND	0.087	0.091	0.091	0.067	0.067	0.067	0.067	J
anthracene	120-12-7		0.033	ND	ND	ND	0.041	0.041	0.041	0.041	0.041	J

Notes

Analytical method: SW-846 8270B
 All results are reported on an "as received" basis in mg/kg.
 All samples were collected from 0 - 12" depth interval.
 (a) Sample SS-27 is a blind duplicate of sample SS-7.
 J - Estimated value; in cases of ND, indicates MDL is estimated.
 R - Unusable result; analyte may or may not be present in the sample.

Summary of Surface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	MP&A Sample ID Lab Sample Number Date Collected	Method Detection Limit	SS-27 (a)		SS-5		SS-12		SS-3		SS-1		SS-15		SS-14		
				Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	
di-n-butyl phthalate	84-74-2	2677446	0.033	J	0.044	J	0.055	J	0.057	J	0.051	J	0.038	J	0.04	J	0.042	J
fluoranthene	206-44-0	2677446	0.033	ND	ND	0.072	J	0.39	ND	0.42	ND	0.48	ND	0.12	J	ND	ND	
butyl benzyl phthalate	85-68-7	2677446	0.067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo (a) anthracene	56-55-3	3/13/97	0.033	ND	ND	0.044	J	0.22	J	0.4	ND	0.54	ND	0.056	J	ND	ND	ND
chrysene	218-01-9	3/13/97	0.033	ND	ND	0.078	J	0.32	J	0.62	ND	0.93	ND	0.11	J	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	3/13/97	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-ethylhexyl) phthalate	117-81-7	3/13/97	0.067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0	3/13/97	0.067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo (b) fluoranthene	205-99-2	3/13/97	0.067	ND	ND	0.13	J	0.54	J	1.2	ND	2.2	ND	0.19	J	ND	ND	ND
benzo (k) fluoranthene	207-08-9	3/13/97	0.13	ND	ND	ND	ND	0.19	J	0.43	ND	0.65	ND	ND	ND	ND	ND	ND
benzo (a) pyrene	50-32-8	3/13/97	0.067	ND	ND	ND	ND	0.21	J	0.42	ND	0.41	ND	ND	ND	ND	ND	ND
indeno (1,2,3-cd) pyrene	193-39-5	3/13/97	0.067	ND	ND	ND	ND	0.25	J	0.47	ND	0.46	ND	0.086	J	ND	ND	ND
dibenz (a,h) anthracene	53-70-3	3/13/97	0.067	ND	ND	ND	ND	ND	ND	ND	ND	0.16	J	ND	ND	ND	ND	ND
benzo (ghi) perylene	191-24-2	3/13/97	0.067	ND	ND	ND	ND	0.2	J	0.34	J	0.24	J	0.08	J	ND	ND	ND
2-methylphenol	95-48-7	3/13/97	0.067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis (1-chloropropane)	108-60-1	3/13/97	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methylphenol	106-44-5	3/13/97	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	3/13/97	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	91-57-6	3/13/97	0.033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	3/13/97	0.067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	3/13/97	0.067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	3/13/97	0.067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	3/13/97	0.033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	3/13/97	0.067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	3/13/97	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	3/13/97	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	3/13/97	0.033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes
Analytical method: SW-846 8270B
All results are reported on an "as received" basis in mg/kg.
All samples were collected from 0 - 12" depth interval.
(a) Sample SS-27 is a blind duplicate of sample SS-7.
J - Estimated value; in cases of ND, indicates MDL is estimated.
R - Unusable result; analyte may or may not be present in the sample.

Summary of Surface Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Parameter	CAS Number	MP&A Sample ID Lab Sample Number Date Collected	SS-13 2678200 3/14/97	SS-18 2678201 3/14/97	SS-2 2678202 3/14/97	SS-17 2678203 3/14/97	SS-16 2678204 3/14/97	Result	Notes	Result	Notes	Result	Notes
			Method Detection Limit										
TCL Semivolatiles													
phenol	108-95-2		0.033	ND	ND	ND	ND	ND		ND		ND	
2-chlorophenol	95-57-8		0.033	ND	ND	ND	ND	ND		ND		ND	
1,4-dichlorobenzene	106-46-7		0.033	ND	ND	ND	ND	ND		ND		ND	
N-nitrosodiphenylamine	621-64-7		0.067	ND	ND	ND	ND	ND		ND		ND	
1,2,4-trichlorobenzene	120-82-1		0.033	ND	ND	ND	ND	ND		ND		ND	
4-chloro-3-methylphenol	59-50-7		0.067	ND	ND	ND	ND	ND		ND		ND	
acenaphthene	83-32-9		0.033	0.047	ND	ND	ND	ND		ND		ND	
4-nitrophenol	100-02-7		0.17	ND	ND	ND	ND	ND		ND		ND	
2,4-dinitrotoluene	121-14-2		0.067	ND	ND	ND	ND	ND		ND		ND	
pentachlorophenol	87-86-5		0.17	ND	ND	ND	ND	ND		ND		ND	
pyrene	129-00-0		0.067	1.8	0.2	1	0.95	ND		ND		ND	
2-nitrophenol	88-75-5		0.067	ND	ND	ND	ND	ND		ND		ND	
2,4-dimethylphenol	105-67-9		0.067	ND	ND	ND	ND	ND		ND		ND	
2,4-dichlorophenol	120-83-2		0.033	ND	ND	ND	ND	ND		ND		ND	
2,4,6-trichlorophenol	88-06-2		0.067	ND	ND	ND	ND	ND		ND		ND	
2,4-dinitrophenol	51-28-5		0.17	ND	ND	ND	ND	ND		ND		ND	
bis (2-chloroethyl) ether	111-44-4		0.067	ND	ND	ND	ND	ND		ND		ND	
1,3-dichlorobenzene	541-73-1		0.033	ND	ND	ND	ND	ND		ND		ND	
1,2-dichlorobenzene	95-50-1		0.033	ND	ND	ND	ND	ND		ND		ND	
hexachloroethane	67-72-1		0.067	ND	ND	ND	ND	ND		ND		ND	
nitrobenzene	98-95-3		0.033	ND	ND	ND	ND	ND		ND		ND	
isophorone	78-59-1		0.067	ND	ND	ND	ND	ND		ND		ND	
bis (2-chloroethoxy) methane	111-91-1		0.033	ND	ND	ND	ND	ND		ND		ND	
naphthalene	91-20-3		0.033	0.047	ND	ND	0.16	ND		ND		ND	J
hexachlorobutadiene	87-68-3		0.067	ND	ND	ND	ND	ND		ND		ND	
hexachlorocyclopentadiene	77-47-4		0.17	ND	ND	ND	ND	ND		ND		ND	
2-chloronaphthalene	91-58-7		0.033	ND	ND	ND	ND	ND		ND		ND	
acenaphthylene	208-96-8		0.033	0.088	J	0.23	J	0.12		J		0.17	J
dimethyl phthalate	131-11-3		0.033	ND	ND	ND	ND	ND		ND		ND	
fluorene	86-73-7		0.033	ND	ND	ND	ND	ND		ND		ND	
4-chlorophenyl phenyl ether	7005-72-3		0.067	0.088	J	0.088	J	ND		ND		ND	
diethyl phthalate	84-66-2		0.067	ND	ND	ND	ND	ND		ND		ND	
N-nitrosodiphenylamine	86-30-6		0.067	0.082	J	0.082	J	ND		ND		ND	
4-bromophenyl phenyl ether	101-55-3		0.1	ND	ND	ND	ND	ND		ND		ND	
hexachlorobenzene	118-74-1		0.1	ND	ND	ND	ND	ND		ND		ND	
phenanthrene	85-01-8		0.033	0.17	J	1.3	J	0.037		J		0.25	J
anthracene	120-12-7		0.033	0.12	J	0.22	J	ND		J		0.17	J

Notes
 Analytical method: SW-846 8270B
 All results are reported on an "as received" basis in mg/kg.
 All samples were collected from 0 - 12" depth interval.
 (a) Sample SS-27 is a blind duplicate of sample SS-7.
 J - Estimated value; in cases of ND, indicates MDL is estimated.
 R - Unusable result; analyte may or may not be present in the sample.

Table 4-5
Summary of Surface Soil Analytical Results
Former Gulf States Crenositing Site
Hattiesburg, Mississippi

Parameter	CAS Number	MP&A Sample ID Lab Sample Number Date Collected	SS-13 2678200 3/14/97	SS-18 2678201 3/14/97	SS-2 2678202 3/14/97	SS-17 2678203 3/14/97	SS-16 2678204 3/14/97	Method	
								Detection Limit	Notes
di-n-butyl phthalate	84-74-2		0.036	J	0.059	J	0.11	J	
fluoranthene	206-44-0		1.4		0.066	J	0.78		
butyl benzyl phthalate	85-68-7		ND		ND	ND	ND		
benzo (a) anthracene	56-55-3		1.1		0.041	J	0.49		
chrysene	218-01-9		1.7		0.062	J	0.87		
3,3'-dichlorobenzidine	91-94-1		ND		ND	ND	ND		
bis (2-ethylhexyl) phthalate	117-81-7		ND	J	ND	ND	ND		
di-n-octyl phthalate	117-84-0		ND		ND	ND	ND		
benzo (b) fluoranthene	205-99-2		3.9		2.1	J	1.4		
benzo (k) fluoranthene	207-08-9		1.2		0.8	ND	0.49		
benzo (a) pyrene	50-32-8		1.4		0.99	J	0.71		
indeno (1,2,3-cd) pyrene	193-39-5		0.95		0.7		0.6		
dibenz (a,h) anthracene	53-70-3		0.28	J	0.21	J	0.16	J	
benzo (ghi) perylene	191-24-2		0.067		0.75		1.2		
2-methylphenol	95-48-7		ND		ND	ND	ND		
2,2'-oxybis (1-chloropropane)	108-60-1		ND		ND	ND	ND		
4-methylphenol	106-44-5		ND		ND	ND	ND		
4-chloroaniline	106-47-8		ND		ND	ND	ND		
2-methylnaphthalene	91-57-6		ND		ND	ND	0.23	J	
2,4,5-trichlorophenol	95-95-4		ND		ND	ND	ND		
2-nitroaniline	88-74-4		ND		ND	ND	ND		
3-nitroaniline	99-09-2		ND		ND	ND	ND		
dibenzofuran	132-64-9		ND		ND	ND	0.093	J	
2,6-dinitrotoluene	606-20-2		ND		ND	ND	ND		
4-nitroaniline	100-01-6		ND		ND	ND	ND		
4,6-dinitro-2-methylphenol	534-52-1		ND		ND	ND	ND		
carbazole	86-74-8		0.061	J	0.28	J	0.046	J	

Notes
Analytical method: SW-846 8270B
All results are reported on an "as received" basis in mg/kg.
All samples were collected from 0 - 12" depth interval.
(a) Sample SS-27 is a blind duplicate of sample SS-7.
J - Estimated value; in cases of ND, indicates MDL is estimated.
R - Unusable result; analyte may or may not be present in the sample.

TABLE 4-1
(Continued)

SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier							
			(0'-1')	GEO-30 (2'-3')	(5'-6)	(0'-1')	GEO-31 (2'-3')	(5'-6)		
TCL Semivolatile Organics^(a)										
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2,2'-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
2,4-dimethylphenol	105-67-9	mg/kg	0.11 (0.077)	J	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.23)	U	ND (0.24)	U	ND (0.22)	U	ND (0.22)	U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2-chlorophenol	95-57-8	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2-methylnaphthalene	91-57-6	mg/kg	0.3 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2-methylphenol	95-48-7	mg/kg	0.042 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2-nitroaniline	88-74-4	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2-nitrophenol	88-75-5	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
3- and 4-methylphenol	106-44-5	mg/kg	0.14 (0.077)	J	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
4-bromophenyl phenyl ether	99-09-2	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
4-chloro-3-methylphenol	106-47-8	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
4-chloroaniline	7005-72-3	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
4-chlorophenyl phenyl ether	100-01-6	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
4-nitroaniline	100-02-7	mg/kg	ND (0.19)	U	ND (0.21)	U	ND (0.19)	U	ND (0.19)	U
4-nitrophenol	100-02-7	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
acenaphthene	83-32-9	mg/kg	0.16 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
acenaphthylene	208-96-8	mg/kg	2.4 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
anthracene	120-12-7	mg/kg	4.1 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
benzo (a) anthracene	56-55-3	mg/kg	11 (0.39)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
benzo (e) pyrene	50-32-8	mg/kg	8 (0.39)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
benzo (b) fluoranthene	205-99-2	mg/kg	17 (0.39)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
benzo (ghi) perylene	191-24-2	mg/kg	3.7 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
benzo (k) fluoranthene	207-08-9	mg/kg	6.1 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
carbazole	86-74-8	mg/kg	1.7 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
chryseno	218-01-9	mg/kg	15 (0.39)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
dibenz (a,h) anthracene	53-70-3	mg/kg	1.5 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
dibenzofuran	132-64-9	mg/kg	0.34 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
diethyl phthalate	84-66-2	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
dimethyl phthalate	131-11-3	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
fluoranthene	206-44-0	mg/kg	23 (0.39)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
fluorene	86-73-7	mg/kg	0.47 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
hexachlorobenzene	118-74-1	mg/kg	ND (0.039)	R	ND (0.041)	R	ND (0.038)	R	ND (0.038)	U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.077)	U	ND (0.082)	U	ND (0.076)	U	ND (0.076)	U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19)	U	ND (0.21)	U	ND (0.19)	U	ND (0.19)	U
hexachloroethane	67-72-1	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	5.6 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
isophorone	78-59-1	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
N-nitrosodi phenylamine	86-30-6	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
naphthalene	91-20-3	mg/kg	0.69 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
nitrobenzene	98-95-3	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
2,3,7,8-tetrachlorodibenzo-p-dioxin	146-05-8	mg/kg	ND (0.039)	U	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
phenanthrene	85-01-8	mg/kg	2.7 (0.039)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
phenol	108-95-2	mg/kg	0.24 (0.077)	J	0.1 (0.082)	J	0.19 (0.076)	J	0.14 (0.076)	J
pyrene	129-00-0	mg/kg	19 (0.39)	J	ND (0.041)	U	ND (0.038)	U	ND (0.038)	U
Other Parameters										
Moisture Content ^(b)	N.A.	wt. %	13.6 (0.08)	19 (0.08)	13.5 (0.08)	12.3 (0.08)	12.6 (0.08)	11.3 (0.08)		

NOTES:

ND denotes "Not Detected" at the method detection limit shown in parentheses.
(a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
(b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).
U qualifier denotes not detected.
J qualifier denotes quantitation is estimated due to limitations identified during the data validation quality assurance review.
UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.
R qualifier denotes unusable result identified during data validation quality assurance review; compound may or may not be present in the sample.

TABLE 4-1
(Continued)

SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier											
			(0' - 1')	(2' - 3')	(5' - 6')	(0' - 1') Duplicate ^(b)	(2' - 3')	(5' - 6')						
<i>TCL Semivolatile Organics^(b)</i>														
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
2,2'-oxybis(1-chloropropane)	108-60-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.23)	U	ND (0.23)	U	ND (2.2)	ND (0.22)	U	ND (0.23)	U	ND (0.24)	U	
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
2-chloronaphthalene	91-58-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
2-chlorophenol	95-57-8	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
2-methylnaphthalene	91-57-6	mg/kg	ND (0.039)	U	ND (0.039)	U	11 (0.38)	7.4 (3)	J	0.88 (0.039)	U	ND (0.041)	U	
2-methylphenol	95-48-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
2-nitroaniline	88-74-4	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
2-nitrophenol	88-75-5	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
3,3'-dichlorobenzidine 3- and 4-methylphenol	91-94-1	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
3-nitroaniline	106-44-5	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
4-bromophenyl phenyl ether	99-09-2	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
4-chloro-3-methylphenol	534-52-1	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (1.9)	ND (0.19)	U	ND (0.19)	U	ND (0.21)	U	
4,6-dinitro-2-methylphenol	101-55-3	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
4-bromophenyl phenyl ether	59-50-7	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
4-chloro-3-methylphenol	106-47-8	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
4-chloroaniline	106-47-8	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
4-nitroaniline	100-01-6	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (1.9)	ND (0.19)	U	ND (0.19)	U	ND (0.21)	U	
4-nitrophenol	100-02-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
acenaphthylene	83-32-9	mg/kg	ND (0.039)	U	ND (0.039)	U	66 (7.5)	41 (3)	J	5 (0.039)	U	0.11 (0.041)	U	
acenaphthylene	208-96-8	mg/kg	0.048	J	ND (0.039)	U	20 (0.38)	12 (3)	J	1.7 (0.039)	U	ND (0.041)	U	
anthracene	120-12-7	mg/kg	ND (0.039)	U	ND (0.039)	U	94 (7.5)	58 (3)	J	8.5 (0.79)	U	0.22 (0.041)	U	
benzo (a) anthracene	56-55-3	mg/kg	0.29	J	ND (0.039)	U	100 (7.5)	67 (3)	J	11 (0.79)	U	0.16 (0.041)	U	
benzo (a) pyrene	50-32-8	mg/kg	0.31	J	ND (0.039)	U	64 (7.5)	41 (3)	J	5.2 (0.039)	U	0.089 (0.041)	U	
benzo (b) fluoranthene	205-99-2	mg/kg	0.76	J	ND (0.039)	U	97 (7.5)	62 (3)	J	8.6 (0.79)	U	0.14 (0.041)	U	
benzo (ghi) perylene	191-24-2	mg/kg	0.23	J	ND (0.039)	U	30 (0.38)	21 (3)	J	2.4 (0.039)	U	0.042 (0.041)	U	
benzo (k) fluoranthene	207-08-9	mg/kg	0.46	J	ND (0.039)	U	36 (0.38)	21 (3)	J	2.9 (0.039)	U	0.05 (0.041)	U	
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.078)	U	ND (0.077)	J(d)	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
butyl benzyl phthalate	85-88-7	mg/kg	ND (0.078)	U	ND (0.077)	U	16 (0.38)	11 (3)	J	1.6 (0.039)	U	ND (0.041)	U	
carbazole	86-74-8	mg/kg	ND (0.039)	U	ND (0.039)	U	100 (7.5)	65 (3)	J	9.6 (0.79)	U	0.17 (0.041)	U	
chrysene	218-01-9	mg/kg	0.37	J	ND (0.039)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
dibenz (ah) anthracene	53-70-3	mg/kg	0.063	J	ND (0.039)	U	10 (0.38)	4.9 (0.038)	J	0.84 (0.039)	U	0.099 (0.041)	U	
dibenzofuran	132-64-9	mg/kg	ND (0.039)	U	ND (0.039)	U	35 (0.38)	23 (3)	J	2.8 (0.039)	U	0.099 (0.041)	U	
diethyl phthalate	84-66-2	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
dimethyl phthalate	131-11-3	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
fluoranthene	206-44-0	mg/kg	0.13	J	ND (0.039)	U	440 (7.5)	270 (3)	J	42 (0.79)	U	0.7 (0.041)	U	
fluorene	86-73-7	mg/kg	ND (0.039)	U	ND (0.039)	U	78 (7.5)	48 (3)	J	6.2 (0.039)	U	0.17 (0.041)	U	
hexachlorobenzene	118-74-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
hexachlorobutadiene	87-68-3	mg/kg	ND (0.078)	U	ND (0.077)	U	ND (0.75)	ND (0.076)	U	ND (0.078)	U	ND (0.083)	U	
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (1.9)	ND (0.19)	U	ND (0.19)	U	ND (0.21)	U	
hexachloroethane	67-72-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	0.26	J	ND (0.039)	U	37 (0.38)	25 (3)	J	3 (0.039)	U	0.052 (0.041)	U	
isophorone	78-59-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
naphthalene	91-20-3	mg/kg	ND (0.039)	U	ND (0.039)	U	8.3 (0.38)	5.4 (0.038)	V	0.75 (0.039)	U	ND (0.041)	U	
nitrobenzene	98-95-3	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.38)	ND (0.038)	U	ND (0.039)	U	ND (0.041)	U	
nitrochlorophenol	87-86-5	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (1.9)	ND (0.19)	U	ND (0.19)	U	ND (0.21)	U	
phenanthrene	85-01-8	mg/kg	ND (0.039)	U	ND (0.039)	U	0.085 (0.039)	0.085 (0.039)	J	300 (7.5)	U	0.76 (0.041)	U	
phenanthrene	108-95-2	mg/kg	0.14	J	ND (0.078)	U	0.17 (0.078)	190 (3)	J	29 (0.79)	U	ND (0.083)	U	
pyrene	129-00-0	mg/kg	0.25	J	ND (0.039)	U	0.11 (0.039)	200 (3)	J	30 (0.79)	U	0.44 (0.041)	U	
<i>Other Parameters</i>			N.A.			wt. %			14.1 (0.08)			19.3 (0.08)		
<i>Moisture Content^(c)</i>			13.9 (0.08)			15.0 (0.08)			12.4 (0.08)			15.1 (0.08)		

NOTES:

ND denotes "Not Detected" at the method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample GEO-02/0'-2'.

(b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.

(c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during the data validation quality assurance review.

UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-2

VOLATILE ORGANIC COMPOUND DATA SUMMARY
GROUND WATER SCREENING SAMPLES
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier				
			GEO-16-GW	GEO-17-GW	GEO-18-GW	GEO-19-GW	GEO-20-GW
<i>TCL Volatile Organics (b)</i>							
1,1,1-Trichloroethane	71-55-6	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
1,1,2-Trichloroethane	79-00-5	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
1,1-Dichloroethane	75-34-3	mg/L	ND (0.001) U	ND (0.050) U	ND (0.002) U	ND (0.005) U	ND (0.002) U
1,1-Dichloroethene	75-35-4	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
1,2-Dichloroethane	107-06-2	mg/L	ND (0.001) U	ND (0.050) U	ND (0.002) U	ND (0.005) U	ND (0.001) U
1,2-Dichloropropane	78-87-5	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.010) U	ND (0.002) U
2-Butanone	78-93-3	mg/L	ND (0.003) U	ND (0.150) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
2-Hexanone	591-78-6	mg/L	ND (0.007) U	ND (0.350) U	ND (0.003) U	ND (0.015) U	ND (0.003) U
4-Methyl-2-pentanone	108-10-1	mg/L	ND (0.005) U	ND (0.250) U	ND (0.005) U	ND (0.035) U	ND (0.007) U
Acetone	67-64-1	mg/L	ND (0.006) U	ND (0.300) U	ND (0.006) U	ND (0.030) U	ND (0.006) U
Bromodichloromethane	71-43-2	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Bromoform	75-27-4	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Bromomethane	74-83-9	mg/L	ND (0.003) U	ND (0.150) U	ND (0.003) U	ND (0.015) U	ND (0.003) U
Carbon Disulfide	75-15-0	mg/L	ND (0.003) U	ND (0.150) U	ND (0.003) U	ND (0.015) U	ND (0.003) U
Carbon Tetrachloride	56-23-5	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Chlorobenzene	108-90-7	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Chloroethane	75-00-3	mg/L	ND (0.003) U	ND (0.150) U	ND (0.003) U	ND (0.015) U	ND (0.003) U
Chloroform	67-66-3	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Chloromethane	74-87-3	mg/L	ND (0.003) U	ND (0.150) U	ND (0.003) U	ND (0.015) U	ND (0.003) U
cis-1,2-Dichloroethene	156-59-2	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
cis-1,3-Dichloropropene	10061-01-5	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Dibromochloromethane	124-48-1	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
Ethylbenzene	100-41-4	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
Methylene Chloride	75-09-2	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
Styrene	100-42-5	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Tetrachloroethene	127-18-4	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Toluene	108-88-3	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
trans-1,2-Dichloroethene	156-60-5	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
trans-1,3-Dichloropropene	10061-02-6	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Trichloroethene	79-01-6	mg/L	ND (0.001) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Vinyl Chloride	75-01-4	mg/L	ND (0.002) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
Xylene (Total)	1330-20-7	mg/L	ND (0.001) U	0.082 (0.050) J	ND (0.001) U	0.027 (0.005) J	ND (0.001) U

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample GEO-21-GW.

(b) Target Compound List (TCL) volatile organic compounds by EPA SW-846 method 8260.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

TABLE 4-2
(Continued)
SEMIVOLATILE ORGANIC COMPOUND DATA SUMMARY
GROUND WATER SCREENING SAMPLES
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Remediation Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier													
			CPT-08-GW	CPT-09-GW	CPT-09-GW (Duplicate) ^(a)	CPT-10-GW	CPT-11-GW	CPT-12-GW	CPT-13-GW							
<i>TCX Semivolatile Organics^(b)</i>																
1,2,4-trichlorobenzene	120-82-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,2-dichlorobenzene	95-50-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,3-dichlorobenzene	541-73-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,4-dichlorobenzene	106-46-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,3-dichlorobenzene	108-40-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4,5-trichlorophenol	95-93-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4,6-trichlorophenol	88-06-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4-dichlorophenol	120-83-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,4-dinitrophenol	105-67-9	mg/L	ND (0.001)	U	0.06 (0.001)	U	0.06 (0.001)	U	0.06 (0.001)	U	0.06 (0.001)	U	0.06 (0.001)	U	ND (0.001)	U
2,4-dinitrophenol	81-28-5	mg/L	ND (0.014)	U	ND (0.014)	U	ND (0.014)	U	ND (0.014)	U	ND (0.014)	U	ND (0.014)	U	ND (0.014)	U
2,4-dinitrophenol	121-14-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,6-dinitrophenol	606-20-2	mg/L	0.05 (0.002)	J	0.002 (0.002)	J	0.002 (0.002)	J	0.002 (0.002)	J	0.002 (0.002)	J	0.002 (0.002)	J	0.002 (0.002)	J
2-chloroethanol	91-58-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-chloroethanol	95-57-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-methylphenol	91-57-6	mg/L	0.01 (0.001)	J	0.8 (0.005)	J	0.71 (0.005)	J	0.71 (0.005)	J	0.71 (0.005)	J	0.71 (0.005)	J	0.71 (0.005)	J
2-methylphenol	95-48-7	mg/L	ND (0.001)	U	0.09 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J
2-nitroanisole	88-74-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitroanisole	88-75-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitroanisole	91-94-1	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U
3-nitroanisole	99-09-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
4,6-dinitro-2-methylphenol	534-52-1	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U
4-bromophenyl phenyl ether	101-55-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
4-chloro-3-methylphenol	99-50-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
4-chlorophenyl phenyl ether	703-72-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
4-methylphenol	105-44-5	mg/L	ND (0.002)	U	0.018 (0.002)	U	0.018 (0.002)	U	0.018 (0.002)	U	0.018 (0.002)	U	0.018 (0.002)	U	0.018 (0.002)	U
4-nitroanisole	100-01-6	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
4-nitrophenol	100-02-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
acetophenone	83-32-9	mg/L	0.09 (0.001)	J	0.25 (0.005)	J	0.22 (0.005)	J	0.22 (0.005)	J	0.22 (0.005)	J	0.22 (0.005)	J	0.22 (0.005)	J
acetophenone	208-96-8	mg/L	ND (0.002)	U	0.029 (0.002)	U	0.029 (0.002)	U	0.029 (0.002)	U	0.029 (0.002)	U	0.029 (0.002)	U	0.029 (0.002)	U
anthracene	120-12-7	mg/L	0.002 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J	0.09 (0.001)	J
benzo (a) anthracene	56-55-3	mg/L	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J
benzo (b) pyrene	50-32-8	mg/L	0.001 (0.001)	J	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
benzo (k) fluoranthene	203-99-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
benzo (ghi) perylene	191-34-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
benzo (k) fluoranthene	207-08-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
bis (2-chloroethoxy) methane	111-91-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
bis (2-chloroethyl) ether	111-44-4	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
bis (2-ethylhexyl) phthalate	117-81-7	mg/L	0.042 (0.002)	U*	0.044 (0.002)	U*	0.043 (0.002)	U*	0.043 (0.002)	U*	0.043 (0.002)	U*	0.043 (0.002)	U*	0.043 (0.002)	U*
butyl benzyl phthalate	85-68-7	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
carbazole	86-74-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
cityrene	218-01-9	mg/L	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J
di-n-butyl phthalate	84-74-2	mg/L	0.005 (0.002)	U*	0.005 (0.002)	U*	0.005 (0.002)	U*	0.005 (0.002)	U*	0.005 (0.002)	U*	0.005 (0.002)	U*	0.005 (0.002)	U*
di-n-octyl phthalate	117-84-0	mg/L	0.006 (0.002)	J (c)	0.006 (0.002)	J (c)	0.006 (0.002)	J (c)	0.006 (0.002)	J (c)	0.006 (0.002)	J (c)	0.006 (0.002)	J (c)	0.006 (0.002)	J (c)
dibenz (a,h) anthracene	53-70-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
dibenzofuran	132-64-9	mg/L	0.002 (0.001)	J	0.21 (0.005)	J	0.21 (0.005)	J	0.21 (0.005)	J	0.21 (0.005)	J	0.21 (0.005)	J	0.21 (0.005)	J
diethyl phthalate	84-66-2	mg/L	0.005 (0.002)	J	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
dimethyl phthalate	131-11-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
fluorene	206-44-0	mg/L	0.006 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J	0.002 (0.001)	J
fluorene	85-70-7	mg/L	0.008 (0.001)	J	0.13 (0.001)	J	0.13 (0.001)	J	0.13 (0.001)	J	0.13 (0.001)	J	0.13 (0.001)	J	0.13 (0.001)	J
hexachlorobenzene	118-74-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
hexachlorobenzene	87-68-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
hexachlorocyclopentadiene	77-47-4	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U
hexachlorobutane	87-72-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
indeno (1,2,3-cd) pyrene	193-39-5	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
isoprene	78-90-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
N-butyl-N-propylamine	521-64-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
N-nitrosodiphenylamine	86-30-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
nitrobenzene	91-20-3	mg/L	0.004 (0.001)	J	12 (0.005)	J	12 (0.005)	J	12 (0.005)	J	12 (0.005)	J	12 (0.005)	J	12 (0.005)	J
nitrobenzene	98-95-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
nitrobenzene	87-86-5	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U
pentachlorophenol	85-01-8	mg/L	0.007 (0.001)	J	0.088 (0.001)	J	0.088 (0.001)	J	0.088 (0.001)	J	0.088 (0.001)	J	0.088 (0.001)	J	0.088 (0.001)	J
phenanthrene	108-95-2	mg/L	0.004 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J
pyrene	129-00-0	mg/L	0.006 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample CPT-07-GW.

(b) Target Compound List (TCL) lists semi-volatile organic compounds by EPA SW-8

TABLE 4-1
(Continued)
SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Crocoosing Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier														
			(0'-1')	(2'-3')	(5'-6')	(0'-1')	(2'-3')	(5'-6')									
<i>TCI Semivolatile Organics^(a)</i>																	
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
2,2-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.2)	U	ND (0.24)	U	ND (0.23)	U	ND (0.21)	U	ND (0.23)	U	ND (0.23)	U			
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
2-chloronaphthalene	91-58-7	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
2-chlorophenol	95-57-8	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
2-methylnaphthalene	91-57-6	mg/kg	0.036 (0.034)	J	1.1 (0.041)	J	ND (0.039)	U	0.074 (0.036)	J	ND (0.04)	U	ND (0.04)	U			
2-methylphenol	95-48-7	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
2-nitroaniline	88-74-4	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
2-nitrophenol	88-75-5	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
3,3-dichlorobenzidine	91-94-1	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
3-nitroaniline	99-09-2	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
4,6-dinitro-2-methylphenol	534-32-1	mg/kg	ND (0.17)	U	ND (0.2)	U	ND (0.2)	U	ND (0.18)	U	ND (0.2)	U	ND (0.2)	U			
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
4-chloro-3-methylphenol	99-50-7	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
4-chlorophenyl phenyl ether	106-47-8	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
4-nitroaniline	7005-75-3	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
4-nitrophenol	100-01-6	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
4-nitrophenol	100-02-7	mg/kg	ND (0.17)	U	ND (0.2)	U	ND (0.2)	U	ND (0.18)	U	ND (0.2)	U	ND (0.2)	U			
acetylphenol	83-32-9	mg/kg	ND (0.034)	U	0.35 (0.041)	J	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
acenaphthylene	208-96-8	mg/kg	0.098 (0.034)	J	2 (0.041)	J	0.078 (0.039)	U	0.11 (0.036)	J	0.15 (0.04)	J	0.084 (0.04)	J			
anthracene	120-12-7	mg/kg	0.21 (0.034)	J	3.4 (0.041)	J	0.078 (0.039)	U	0.11 (0.036)	J	0.084 (0.04)	J	0.073 (0.04)	J			
benzo (a) anthracene	56-55-3	mg/kg	0.39 (0.034)	J	4.5 (0.041)	J	ND (0.039)	U	0.35 (0.036)	J	0.084 (0.04)	J	0.073 (0.04)	J			
benzo (a) pyrene	50-32-8	mg/kg	0.39 (0.034)	J	6.1 (0.2)	J	0.048 (0.039)	J	0.37 (0.036)	J	0.073 (0.04)	J	0.15 (0.04)	J			
benzo (b) fluoranthene	205-99-2	mg/kg	0.72 (0.034)	J	16 (0.2)	(c)	0.076 (0.039)	J	0.82 (0.036)	(c)	0.15 (0.04)	J	0.055 (0.04)	J			
benzo (ghi) perylene	191-24-2	mg/kg	0.28 (0.034)	J	3.8 (0.041)	J	0.045 (0.039)	J	0.32 (0.036)	J	0.055 (0.04)	J	0.055 (0.04)	J			
benzo (k) fluoranthene	207-08-9	mg/kg	0.21 (0.034)	J	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	0.65 (0.069)	(d)	ND (0.082)	U	ND (0.078)	U	0.11 (0.072)	J	ND (0.08)	U	ND (0.08)	U			
butyl benzyl phthalate	85-68-7	mg/kg	0.15 (0.069)	J	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
carbazole	86-74-8	mg/kg	0.096 (0.034)	J	0.39 (0.041)	J	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
chrysenes	218-01-9	mg/kg	0.44 (0.034)	J	6.9 (0.2)	J	0.049 (0.039)	J	0.44 (0.036)	J	0.092 (0.04)	J	0.092 (0.04)	J			
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
dibenz (a,h) anthracene	50-70-3	mg/kg	0.064 (0.034)	J	1.5 (0.041)	J	ND (0.039)	U	0.096 (0.036)	J	ND (0.04)	U	ND (0.04)	U			
dibenzofuran	132-64-9	mg/kg	0.037 (0.034)	J	1.1 (0.041)	J	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
diethyl phthalate	84-66-2	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
dimethyl phthalate	131-11-3	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
fluoranthene	206-44-0	mg/kg	0.71 (0.034)	J	5.6 (0.2)	J	0.065 (0.039)	J	0.51 (0.036)	J	0.2 (0.04)	J	0.2 (0.04)	J			
fluorene	86-73-7	mg/kg	0.038 (0.034)	J	0.66 (0.041)	J	0.042 (0.039)	J	ND (0.036)	U	0.054 (0.04)	J	0.054 (0.04)	J			
hexachlorobenzene	118-74-1	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
hexachlorobutadiene	87-08-3	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.17)	U	ND (0.2)	U	ND (0.2)	U	ND (0.18)	U	ND (0.2)	U	ND (0.2)	U			
hexachlorocyclohexane	67-72-1	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	0.3 (0.034)	J	5.3 (0.041)	J	0.056 (0.039)	J	0.35 (0.036)	J	0.057 (0.04)	J	0.057 (0.04)	J			
isophthalene	78-59-1	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
N-nitrosodipropylamine	621-64-7	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
naphthalene	91-20-3	mg/kg	0.095 (0.034)	J	3.7 (0.041)	J	ND (0.039)	U	0.086 (0.036)	J	ND (0.04)	U	ND (0.04)	U			
nitrobenzene	98-95-3	mg/kg	ND (0.034)	U	ND (0.041)	U	ND (0.039)	U	ND (0.036)	U	ND (0.04)	U	ND (0.04)	U			
pentachlorophenol	87-86-5	mg/kg	ND (0.17)	U	ND (0.2)	U	ND (0.2)	U	ND (0.18)	U	ND (0.2)	U	ND (0.2)	U			
phenanthrene	85-01-8	mg/kg	0.39 (0.034)	J	2.5 (0.041)	J	0.064 (0.039)	J	0.18 (0.036)	J	0.27 (0.04)	J	0.27 (0.04)	J			
phenol	108-95-2	mg/kg	ND (0.069)	U	ND (0.082)	U	ND (0.078)	U	ND (0.072)	U	ND (0.08)	U	ND (0.08)	U			
pyrene	129-00-0	mg/kg	0.61 (0.034)	J	8.4 (0.2)	J	0.092 (0.039)	J	0.5 (0.036)	J	0.16 (0.04)	J	0.16 (0.04)	J			
<i>Other Parameters^(b)</i>			N.A.			15 (0.08)			7.36 (0.08)			16.5 (0.08)			17.1 (0.08)		
Moisture Content ^(b)			N.A.			18.3 (0.08)			7.36 (0.08)			16.5 (0.08)			17.1 (0.08)		

NOTES:

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
- (b) EPA method 160.5 (Methods for Chemical Analysis of Water and Wastes, March 1983).
- (c) Laboratory was unable to resolve distinct chromatographic peaks for Benzo(a)fluoranthene (B(a)F) and Benzo(k)fluoranthene (B(k)F). Therefore, reported B(b)F result for this sample is the sum total concentration of both isomers.
- (d) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitations identified during the data validation quality assurance review.
- UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-1
(Continued)

SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier									
			(0-1)	(2-3)	(5-6)	(0-1)	(2-3)	(5-6)				
<i>TCL Semivolatile Organics</i> ^(a)												
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
2,2'-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.22)	U	ND (0.22)	U	ND (0.22)	U	ND (0.22)	U	ND (0.23)	U
2,4-dinitrofluorene	121-14-2	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
2,6-dinitrofluorene	606-20-2	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
2-chlorophenol	95-57-8	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
2-methylnaphthalene	91-57-6	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
2-methylphenol	95-48-7	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
2-nitroaniline	88-74-4	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
2-nitrophenol	88-75-5	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
3-aminonitrobenzene	99-09-2	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
4-chloroaniline	106-47-8	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
4-nitroaniline	100-01-6	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
4-nitrophenol	100-02-7	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U
acenaphthene	83-32-9	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
acenaphthylene	208-96-8	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
anthracene	120-12-7	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
benzo (a) anthracene	56-55-3	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
benzo (a) pyrene	50-32-8	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
benzo (b) fluoranthene	205-99-2	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
bis (2-chloroethoxy) methano	111-91-1	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
butyl benzyl phthalate isobutylate	86-74-8	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
styrene	218-01-9	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
dibenz (a,h) anthracene	53-70-3	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
dibenzofuran	132-64-9	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
diethyl phthalate	84-66-2	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
dimethyl phthalate	131-11-3	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
fluoranthene	206-44-0	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
fluorene	86-73-7	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
hexachlorobenzene	118-74-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U
hexachlorocyclopentadiene	67-72-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
isophorone	78-59-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
naphthalene	91-20-3	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
nitrobenzene	98-95-3	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
pentachlorophenol	87-86-5	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
phenanthrene	85-01-8	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U	ND (0.19)	U
phenol	108-95-2	mg/kg	ND (0.077)	U	ND (0.075)	U	ND (0.076)	U	ND (0.076)	U	ND (0.078)	U
pyrene	129-00-0	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.039)	U
Other Parameters												
Moisture Content ^(b)	N.A.	wt. %	13.0 (0.08)	12.9 (0.08)	11.0 (0.08)	12.8 (0.08)	12.1 (0.08)	14.4 (0.08)				

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
(b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

(c) Laboratory was unable to resolve distinct chromatographic peaks for Benzo(b)fluoranthene (B(b)F) and Benzo(k)fluoranthene (B(k)F). Therefore, reported B(b)F result for this sample is the sum total concentration of both isomers.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during the data validation quality assurance review.

UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-1
(Continued)
SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION
Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier												
			(0-1)	(5-6)	(2-3)	(5-6)	(5-6) Duplicate ^(a)								
TCL Semivolatile Organics ^(b)															
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.037)	U	ND (0.037)	U	ND (36)	U	
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
2,2,4-trichlorobenzene	108-90-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
2,4,5-trichlorobenzene	95-95-4	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.23)	U	ND (0.23)	U	ND (0.21)	U	ND (0.21)	U	ND (0.21)	U	ND (210)	U	
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.079)	U	ND (0.079)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
2-chloronaphthalene	91-58-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
2-chlorophenol	95-57-8	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
2-methylnaphthalene	91-57-6	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
2-methylphenol	95-48-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
3-nitroaniline	88-74-4	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
2-nitrophenol	88-75-5	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
3-nitroaniline	59-08-2	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
4,6-dinitro-2-methylphenol	504-50-1	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.18)	U	ND (0.18)	U	ND (0.18)	U	ND (180)	U	
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
4-chloroaniline	106-47-8	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
4-nitroaniline	100-01-6	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
4-nitrophenol	100-02-7	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.18)	U	ND (0.18)	U	ND (0.18)	U	ND (180)	U	
acetophenone	83-32-9	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
acetophenylene	208-96-8	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
anthracene	120-12-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
benzo (a) anthracene	56-55-3	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
benzo (a) pyrene	50-32-8	mg/kg	0.04	(0.039)	J	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U
benzo (b) fluoranthene	205-99-2	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
benzo (ghi) perylene	191-24-2	mg/kg	0.054	(0.039)	J	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
bis (2-chlorophenoxy) methane	111-91-1	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
carbazole	86-74-8	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
chrysene	218-01-9	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
dibenz (a,h) anthracene	53-70-3	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
dibenzofuran	132-64-9	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
diethyl phthalate	84-66-2	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
dimethyl phthalate	131-11-3	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
fluoranthene	206-44-0	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
fluorene	86-73-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
hexachlorobenzene	118-74-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
hexachlorobutadiene	87-68-3	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.18)	U	ND (0.18)	U	ND (0.18)	U	ND (180)	U	
hexachlorocyclohexane	67-72-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
isophorone	78-59-1	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
N-nitroethylpropylamine	621-64-7	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
N-nitroethylpropylamine	85-90-5	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
naphthalene	91-20-3	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
nitrobenzene	98-95-3	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
pentachlorophenol	87-86-3	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.18)	U	ND (0.18)	U	ND (0.18)	U	ND (180)	U	
phenanthrene	85-01-8	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
phenol	108-95-2	mg/kg	ND (0.078)	U	ND (0.078)	U	ND (0.073)	U	ND (0.072)	U	ND (0.073)	U	ND (73)	U	
pyrene	129-00-0	mg/kg	ND (0.039)	U	ND (0.039)	U	ND (0.037)	U	ND (0.036)	U	ND (0.037)	U	ND (36)	U	
Other Parameters															
Moisture Content ^(c)	N.A.	wt. %	14.1	(0.08)	15.4	(0.08)	8.79	(0.08)	7.70	(0.08)	8.92	(0.08)	8.39	(0.08)	

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample GEO-06/5-6.

(b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.

(c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

U qualifier denotes not detected.

J qualifier denotes quantification is estimated due to limitations identified during the data validation quality assurance review.

UU qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-1
(Continued)

SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier							
			(0' - 1')	(2' - 3')	(5' - 6')	(0' - 1') Duplicate ^(b)	(2' - 3')	(5' - 6')		
<i>TCL Semivolatile Organics^(a)</i>										
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.038)	U	ND (0.039)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
2,2'-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.038)	UJ	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.22)	U	ND (0.24)	U	ND (1.1)	ND (1.1)	ND (0.23)	U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
2-chlorophenol	95-57-8	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
2-methylnaphthalene	91-57-6	mg/kg	0.051 (0.038)	J	ND (0.04)	U	0.26 (0.19)	0.71 (0.18)	ND (0.039)	U
2-methylphenol	95-48-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
2-nitroaniline	88-74-4	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
2-nitrophenol	88-74-4	mg/kg	ND (0.077)	UJ	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
3-nitroaniline	99-09-2	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
4-bromophenyl phenyl ether	534-52-1	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.95)	ND (0.92)	ND (0.19)	U
4-chloro-2-methylphenol	101-55-3	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
4-chloro-3-methylphenol	99-50-7	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
4-chloroaniline	106-47-8	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
4-nitroaniline	100-01-6	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
4-nitrophenol	100-02-7	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.95)	ND (0.92)	ND (0.19)	U
acenaphthene	83-32-9	mg/kg	ND (0.038)	J	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
acenaphthylene	208-96-8	mg/kg	0.12 (0.038)	J	ND (0.04)	U	2.5 (0.19)	0.39 (0.18)	ND (0.039)	U
anthracene	120-12-7	mg/kg	0.13 (0.038)	J	ND (0.04)	U	4.1 (0.19)	0.48 (0.18)	ND (0.039)	U
benzo (a) anthracene	56-55-3	mg/kg	0.79 (0.038)	J	ND (0.04)	U	3.5 (0.19)	0.75 (0.18)	ND (0.039)	U
benzo (a) pyrene	50-32-8	mg/kg	1.1 (0.038)	J	ND (0.04)	U	8.6 (0.19)	1.4 (0.18)	ND (0.039)	U
benzo (b) fluoranthene	205-99-2	mg/kg	1.9 (0.038)	J	ND (0.04)	U	1.4 (0.19)	0.57 (0.18)	ND (0.039)	U
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.038)	U	ND (0.04)	U	1.4 (0.19)	0.57 (0.18)	ND (0.039)	U
benzo (k) fluoranthene	207-08-9	mg/kg	0.67 (0.038)	J	ND (0.04)	U	3.2 (0.19)	0.44 (0.18)	ND (0.039)	U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
carbazole	86-74-8	mg/kg	ND (0.038)	U	ND (0.04)	U	0.88 (0.19)	ND (0.18)	ND (0.039)	U
chrysene	218-01-9	mg/kg	1.1 (0.038)	J	ND (0.04)	U	6.7 (0.19)	0.9 (0.18)	ND (0.039)	U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
dibenz (a,h) anthracene	53-70-3	mg/kg	0.2 (0.038)	J	ND (0.04)	U	0.6 (0.19)	0.23 (0.18)	ND (0.039)	U
dibenzofuran	132-64-9	mg/kg	0.039 (0.038)	J	ND (0.04)	U	0.25 (0.19)	ND (0.18)	ND (0.039)	U
diethyl phthalate	84-66-2	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
dimethyl phthalate	131-11-3	mg/kg	ND (0.077)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
fluorene	206-44-0	mg/kg	1 (0.038)	J	ND (0.04)	U	12 (0.19)	0.89 (0.18)	ND (0.039)	U
hexachlorobenzene	118-74-1	mg/kg	ND (0.038)	U	ND (0.04)	U	0.48 (0.19)	ND (0.18)	ND (0.039)	U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.038)	R	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	R
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19)	U	ND (0.081)	U	ND (0.38)	ND (0.37)	ND (0.078)	U
hexachloroethane	67-72-1	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.95)	ND (0.92)	ND (0.19)	U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	0.73 (0.038)	J	ND (0.04)	U	2.1 (0.19)	0.69 (0.18)	ND (0.039)	U
isophorone	78-59-1	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
naphthalene	91-20-3	mg/kg	0.73 (0.038)	J	ND (0.04)	U	0.35 (0.19)	0.34 (0.18)	ND (0.039)	U
nitrobenzene	98-95-3	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.19)	ND (0.18)	ND (0.039)	U
nitrochlorophenol	87-86-5	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.95)	ND (0.92)	ND (0.19)	U
1,2,3,4-tetrahydroquinoline	85-01-8	mg/kg	0.18 (0.038)	J	ND (0.04)	U	2.8 (0.19)	0.72 (0.18)	ND (0.039)	U
phenol	108-95-2	mg/kg	ND (0.077)	U	0.15 (0.081)	J	0.23 (0.078)	0.38 (0.37)	ND (0.078)	J
pyrene	129-00-0	mg/kg	1.5 (0.038)	J	ND (0.04)	U	9.8 (0.19)	0.91 (0.18)	ND (0.039)	U

Other Parameters

Moisture Content^(c) N.A. wt. % 13.3 (0.08) 17.3 (0.08) 14.8 (0.08) 12.3 (0.08) 8.93 (0.08) 14.8 (0.08) 14.1 (0.08)

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample GEO-3470-1.

(b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.

(c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during the data validation quality assurance review.

UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

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TABLE 4-1
SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Crocoring Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier											
			(2-3)	(5-6) Duplicate ^(b)	(2-3)	(5-6)	(0-1)	(2-3)						
TCL Semivolatile Organics ^(b)														
1,2-dichlorobenzene	120-82-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
1,3-dichlorobenzene	95-50-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
1,4-dichlorobenzene	541-73-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2,2-dimethyl-1-chloropropane	106-46-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2,4,5-trichlorophenol	108-60-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2,4,6-trichlorophenol	95-95-4	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2,4-dichlorophenol	88-06-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.21)	U	ND (0.22)	U	ND (0.22)	U	ND (0.21)	U	ND (0.23)	U	ND (0.22)	U
2,4-dinitrophenol	121-14-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2,6-dinitrophenol	605-20-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2-chlorophenol	95-57-8	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2-methylnaphthalene	91-57-6	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.07 (0.036)	J	ND (0.039)	U	ND (0.038)	U
2-methylphenol	95-48-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2-nitroaniline	88-74-4	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
2-nitrophenol	88-75-5	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
3-nitroaniline	95-09-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.18)	U	ND (0.19)	U	ND (0.19)	U	ND (0.18)	U	ND (0.2)	U	ND (0.19)	U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
4-chloroaniline	106-47-8	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
4-nitroaniline	100-01-6	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
4-nitrophenol	100-02-7	mg/kg	ND (0.18)	U	ND (0.19)	U	ND (0.19)	U	ND (0.18)	U	ND (0.2)	U	ND (0.19)	U
acetophenone	83-32-9	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.049 (0.036)	J	ND (0.039)	U	ND (0.038)	U
acetylphenylene	208-96-8	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	1.6 (0.036)	U	ND (0.039)	U	ND (0.038)	U
anthracene	120-12-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	1.3 (0.036)	U	ND (0.039)	U	ND (0.038)	U
benzo (a) anthracene	56-55-3	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	6.7 (0.18)	U	0.041 (0.039)	J	ND (0.038)	U
benzo (a) pyrene	50-32-8	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	5.2 (0.18)	U	ND (0.039)	U	ND (0.038)	U
benzo (b) fluoranthene	205-99-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	9.2 (0.18)	U	0.45 (0.039)	J	ND (0.038)	U
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	2.3 (0.036)	U	ND (0.039)	U	ND (0.038)	U
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	3.6 (0.036)	U	0.35 (0.039)	J	ND (0.038)	U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.072)	U	ND (0.078)	U	ND (0.076)	U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.4 (0.038)	U	0.39 (0.038)	U	ND (0.038)	U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.072)	U	ND (0.078)	U	0.37 (0.076)	J (d)
carbazole	86-74-8	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.35 (0.036)	J	ND (0.039)	U	ND (0.038)	U
chrysene	218-01-9	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	8 (0.18)	U	0.051 (0.039)	J	ND (0.038)	U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.072)	U	ND (0.078)	U	ND (0.076)	U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.072)	U	ND (0.078)	U	ND (0.076)	U
dibenz (a,h) anthracene	53-70-3	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.91 (0.036)	U	ND (0.039)	U	ND (0.038)	U
dibenzofuran	132-64-9	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.072 (0.036)	J	ND (0.039)	U	ND (0.038)	U
diethyl phthalate	84-66-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.072)	U	ND (0.078)	U	ND (0.076)	U
dimethyl phthalate	131-11-3	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.072)	U	ND (0.078)	U	ND (0.076)	U
fluoranthene	206-44-0	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	12 (0.18)	U	0.05 (0.039)	J	ND (0.038)	U
fluorene	86-73-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.37 (0.036)	U	0.33 (0.039)	J	ND (0.038)	U
hexachlorobenzene	118-74-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
hexachlorobenzene	87-68-3	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.072)	U	ND (0.078)	U	ND (0.076)	U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.18)	U	ND (0.19)	U	ND (0.19)	U	ND (0.18)	U	ND (0.2)	U	ND (0.19)	U
hexachlorocyclopentadiene	67-72-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
Indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	3.7 (0.036)	U	ND (0.039)	U	ND (0.038)	U
isophthalene	78-59-1	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
N-nitrosodipropylamine	621-64-7	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
N-nitrosodipropylamine	86-30-6	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
naphthalene	91-20-3	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.088 (0.036)	J	ND (0.039)	U	ND (0.038)	U
nitrobenzene	98-95-3	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.036)	U	ND (0.039)	U	ND (0.038)	U
nitrochlorophenol	87-86-5	mg/kg	ND (0.18)	U	ND (0.19)	U	ND (0.19)	U	ND (0.18)	U	ND (0.2)	U	ND (0.19)	U
phenanthrene	85-01-5	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	0.74 (0.036)	U	ND (0.039)	U	ND (0.038)	U
phenol	108-95-2	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	ND (0.072)	U	ND (0.078)	U	ND (0.076)	U
pyrene	129-00-0	mg/kg	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U	14 (0.18)	U	0.068 (0.039)	J	ND (0.038)	U
Other Parameters ^(c)			N.A.	wt. %	9.02 (0.1)	10.8 (0.08)	11.3 (0.08)	11.7 (0.08)	12.8 (0.08)	7.58 (0.08)	14.8 (0.08)	17.5 (0.08)		

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample GEO-342-3.

(b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.

(c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

(d) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limit values identified during the data validation quality assurance review.

UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-1
(Continued)

SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier				(a)			
			(2'-3')	(5'-6')	(2'-3')	(5'-6')				
TCL Semivolatile Organics^(b)										
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U
2,2'-oxybis(1-chloropropane)	108-60-1	mg/kg	ND (0.038)	U	ND (0.037)	U	ND (0.038)	U	ND (0.038)	U
2,2'-oxybis(1,2-dichloropropane)	95-92-4	mg/kg	ND (0.076)	U	ND (0.075)	U	ND (0.077)	U	ND (0.075)	U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.22)	UJ	ND (0.23)	UJ	ND (0.22)	UJ	ND (0.22)	UJ
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
2-chlorophenol	95-57-8	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
2-methylnaphthalene	91-57-6	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
2-methylphenol	95-48-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
2-nitroaniline	88-74-4	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
2-nitrophenol	88-73-5	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
3-nitroaniline	99-09-2	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.19)	U	ND (0.2)	UJ	ND (0.19)	UJ	ND (0.19)	UJ
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
4-chloroaniline	106-47-8	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
4-nitroaniline	100-01-6	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
4-nitrophenol	100-02-7	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.19)	U	ND (0.19)	U
acetylphenol	83-32-9	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
acetylphenylene	208-96-8	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
anthracene	120-12-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
benzo (a) anthracene	56-55-3	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
benzo (a) pyrene	50-32-8	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
benzo (b) fluoranthene	205-99-2	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
carbazole	86-74-8	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
chrysene	218-01-9	mg/kg	ND (0.038)	UJ	ND (0.04)	UJ	ND (0.037)	UJ	ND (0.038)	U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
dibenz (a,h) anthracene	53-70-3	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
dibenzofuran	132-64-9	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
diethyl phthalate	84-66-2	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
dimethyl phthalate	131-11-3	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
fluoranthene	206-44-0	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
fluorene	86-73-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
hexachlorobenzene	118-74-1	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.19)	U	ND (0.19)	U
hexachloroethane	67-72-1	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
isophorone	78-59-1	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
N-nitrosodiphenylamine	61-64-7	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
naphthalene	91-20-3	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
nitrobenzene	98-95-3	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
pentachlorophenol	87-86-5	mg/kg	ND (0.19)	U	ND (0.2)	U	ND (0.19)	U	ND (0.19)	U
phenanthrene	85-01-8	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
phenol	108-95-2	mg/kg	ND (0.076)	U	ND (0.079)	U	ND (0.077)	U	ND (0.075)	U
pyrene	129-00-0	mg/kg	ND (0.038)	U	ND (0.04)	U	ND (0.038)	U	ND (0.038)	U
Other Parameters										
Moisture Content^(c)			N.A.	wt. %	12.3 (0.08)	15.7 (0.08)	11.0 (0.08)	13.2 (0.08)	11.6 (0.08)	

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample GEO-34/5-6.

(b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.

(c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during the data validation quality assurance review.

UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

R qualifier denotes unusable result identified during data validation quality assurance review; compound may or may not be present in the sample.

TABLE 4-1
(Continued)

SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	GEO-18		GEO-19		Sample Identifier	(5'-6')	(2'-3')	(0'-1')	(5'-6')	
			(2'-3')	(5'-6')	(2'-3')	(5'-6')						
TCL Semivolatile Organics^(a)												
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
2,2-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.22)	UJ	ND (0.22)	UJ	ND (0.22)	U	ND (0.22)	U	ND (0.22)	U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
2-chlorophenol	95-57-8	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
2-methylnaphthalene	91-57-6	mg/kg	ND (0.038)	U	ND (0.038)	U	0.53 (0.037)	J	0.062 (0.037)	J	0.38 (0.038)	U
2-methylphenol	95-48-7	mg/kg	ND (0.038)	U	ND (0.038)	U	0.073 (0.037)	J	ND (0.037)	U	ND (0.038)	U
2-nitroaniline	88-74-4	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
2-nitrophenol	88-75-5	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.076)	U	ND (0.076)	U	0.21 (0.074)	J	ND (0.073)	U	ND (0.075)	U
3-nitroaniline	99-09-2	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.19)	UJ	ND (0.19)	UJ	ND (0.18)	U	ND (0.18)	U	ND (0.19)	U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
4-chlorophenyl phenyl ether	106-47-8	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
4-nitroaniline	100-01-6	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.074)	U	ND (0.075)	U
4-nitrophenol	100-02-7	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (0.18)	U	ND (0.18)	U	ND (0.19)	U
acenaphthene	83-32-9	mg/kg	ND (0.038)	U	ND (0.038)	U	1 (0.037)	J	0.097 (0.037)	J	1.4 (0.038)	U
acenaphthylene	208-96-8	mg/kg	ND (0.038)	U	ND (0.038)	U	14 (0.37)	J	0.69 (0.037)	J	0.83 (0.038)	J
anthracene	120-12-7	mg/kg	ND (0.038)	U	ND (0.038)	U	25 (0.37)	J	1.6 (0.037)	J	1.5 (0.038)	J
benzo (a) anthracene	56-55-3	mg/kg	ND (0.038)	U	ND (0.038)	U	63 (1.1)	J	3 (0.037)	J	0.81 (0.038)	J
benzo (a) pyrene	50-32-8	mg/kg	ND (0.038)	U	ND (0.038)	U	56 (0.37)	J	2.4 (0.037)	J	0.29 (0.038)	J
benzo (b) fluoranthene	205-99-2	mg/kg	ND (0.038)	U	ND (0.038)	U	93 (1.1)	J	4.4 (0.037)	J	0.37 (0.038)	J
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.038)	U	ND (0.038)	U	24 (0.37)	J	1 (0.037)	J	0.065 (0.038)	J
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.038)	U	ND (0.038)	U	32 (0.37)	J	1.5 (0.037)	J	0.16 (0.038)	J
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.073)	U	ND (0.075)	U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.073)	U	ND (0.075)	U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.073)	U	ND (0.075)	U
carbazole	86-74-8	mg/kg	ND (0.038)	UJ	ND (0.038)	UJ	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
chrysene	218-01-9	mg/kg	ND (0.038)	UJ	ND (0.038)	UJ	66 (1.1)	J	3.3 (0.037)	J	0.49 (0.038)	J
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.073)	U	ND (0.075)	U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.073)	U	ND (0.075)	U
dibenz (a,h) anthracene	53-70-3	mg/kg	ND (0.038)	U	ND (0.038)	U	8.4 (0.37)	J	0.37 (0.037)	J	ND (0.038)	U
dibenzofuran	132-64-9	mg/kg	ND (0.038)	U	ND (0.038)	U	0.75 (0.037)	J	0.078 (0.037)	J	1.6 (0.038)	U
diethyl phthalate	84-66-2	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.073)	U	ND (0.075)	U
dimethyl phthalate	131-11-3	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.073)	U	ND (0.075)	U
fluoranthene	206-44-0	mg/kg	ND (0.038)	U	ND (0.038)	U	11.0 (1.1)	J	5.9 (0.037)	J	3.3 (0.038)	U
fluorene	86-73-7	mg/kg	ND (0.038)	U	ND (0.038)	U	1.4 (0.037)	J	0.14 (0.037)	J	2.2 (0.038)	U
hexachlorobenzene	118-74-1	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.076)	U	ND (0.076)	U	ND (0.074)	U	ND (0.073)	U	ND (0.075)	U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (0.18)	U	ND (0.18)	U	ND (0.19)	U
hexachloroethane	67-72-1	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
isophorone	78-59-1	mg/kg	ND (0.038)	U	ND (0.038)	U	32 (0.37)	J	1.3 (0.037)	J	0.094 (0.038)	J
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
naphthalene	91-20-3	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
nitrobenzene	98-95-3	mg/kg	ND (0.038)	U	ND (0.038)	U	0.77 (0.037)	J	0.076 (0.037)	J	0.4 (0.038)	U
pentachlorophenol	87-86-5	mg/kg	ND (0.19)	U	ND (0.19)	U	ND (0.037)	U	ND (0.037)	U	ND (0.038)	U
phenanthrene	85-01-8	mg/kg	ND (0.038)	U	ND (0.038)	U	ND (0.18)	U	ND (0.18)	U	ND (0.19)	U
phenol	108-95-2	mg/kg	ND (0.076)	U	ND (0.076)	U	7.7 (0.37)	J	0.56 (0.037)	J	7.6 (0.075)	U
pyrene	129-00-0	mg/kg	ND (0.038)	U	ND (0.038)	U	140 (1.1)	J	7.9 (0.073)	J	2.2 (0.038)	U
Other Parameters												
Moisture Content ^(b)	N.A.	wt. %	11.9 (0.08)		11.8 (0.08)		9.64 (0.08)		8.97 (0.08)		11.3 (0.08)	

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.

(b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during the data validation quality assurance review.

UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-1
(Continued)

SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Off-Corridor Crossing Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier						(9-10)		
			(0-1)	(2-3)	(3-6)	(7-10)	(11-13)	(5-6)			
TCL Semivolatile Organics^(a)											
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
1,2,3-trichlorobenzene	108-90-7	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
2,4,6-trichlorophenol	95-95-4	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
2,4,6-trichlorophenol	85-06-2	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	8.9 (5.1) J	0.075 (0.077) J	0.22 (0.08) J	
2,4-dinitrophenol	51-28-5	mg/kg	ND (1.2)	ND (0.23) U	ND (1.1)	ND (0.22) U	ND (29)	ND (15)	ND (0.22) U	ND (0.23) U	
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
2-chloronaphthalene	91-38-7	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
2-chlorophenol	95-57-8	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
2-methylnaphthalene	91-57-6	mg/kg	0.27 (0.2) J	ND (0.04) U	1.20 (1.9)	63 (1.9)	380 (5)	1500 (26)	0.1 (0.038) J	0.44 (0.04) J	
2-methylphenol	95-48-7	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	0.051 (0.04) J	
2-aminotoluene	88-74-4	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
2-nitrophenol	88-75-5	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
3,3'-dichlorobenzidine	91-04-1	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
3-nitroaniline	90-09-3	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
4,6-dinitro-2-methylphenol	234-52-1	mg/kg	ND (1)	ND (0.2) U	ND (0.95)	ND (0.19) U	ND (25)	ND (13)	ND (0.19) U	ND (0.2) U	
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
4-chloro-3-methylphenol	99-50-7	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
4-chloroaniline	106-47-8	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
4-nitroaniline	100-01-6	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
4-nitrophenol	100-02-7	mg/kg	ND (1)	ND (0.2) U	ND (0.95)	ND (0.19) U	ND (25)	ND (13)	ND (0.19) U	ND (0.2) U	
acetanaphthene	83-32-9	mg/kg	ND (0.2)	ND (0.04) U	1.00 (1.9)	53 (1.9)	190 (5)	1200 (26)	0.2 (0.038) J	0.47 (0.04) J	
acetanaphthylene	208-96-8	mg/kg	1.4 (0.2) J	ND (0.04) U	2.9 (0.19)	1.6 (0.037) U	47 (5) J	50 (2.6)	ND (0.038) U	ND (0.04) U	
anthracene	120-12-7	mg/kg	3.1 (0.2)	ND (0.04) U	4.3 (1.9)	22 (1.9)	760 (9.9)	1800 (26)	0.29 (0.038) J	0.39 (0.04) J	
benzo (a) anthracene	56-55-3	mg/kg	3.2 (0.2)	0.04 (0.04) J	3.0 (0.19)	15 (1.9) J	280 (5)	390 (2.6)	0.16 (0.038) J	0.24 (0.04) J	
benzo (a) pyrene	50-32-8	mg/kg	3.2 (0.2)	0.079 (0.04) J	11 (0.19)	5.2 (1.9) J	230 (5)	190 (2.6)	0.079 (0.038) J	0.11 (0.04) J	
benzo (b) fluoranthene	205-99-2	mg/kg	3.5 (0.2)	0.067 (0.04) J	17 (0.19)	7.8 (1.9) J	460 (5)	270 (2.6)	0.11 (0.038) J	0.15 (0.04) J	
benzo (ghi) perylene	191-24-2	mg/kg	2.7 (0.2)	0.045 (0.04) J	2.5 (0.19)	1.5 (0.037) U	90 (5)	71 (2.6)	ND (0.038) U	ND (0.04) U	
benzo (k) fluoranthene	207-08-9	mg/kg	1.8 (0.2) JD	ND (0.04) U	6 (0.19)	3.7 (0.037) U	160 (5)	76 (2.6)	ND (0.038) U	0.051 (0.04) J	
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
bis (2-ethylthio) phthalate	117-81-7	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
carbazole	86-74-8	mg/kg	0.6 (0.2) J	ND (0.04) U	2.4 (0.19)	9.5 (1.9) J	230 (5)	620 (26)	0.21 (0.038) J	0.24 (0.04) J	
chrysene	218-01-9	mg/kg	3.7 (0.2)	0.05 (0.04) J	23 (0.19)	12 (1.9) J	390 (5)	410 (2.6)	0.14 (0.038) J	0.19 (0.04) J	
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
dibenz (a,h) anthracene	53-70-3	mg/kg	0.76 (0.2) J	ND (0.04) U	0.76 (0.19) J	0.5 (0.037) U	34 (5) J	22 (2.6) J	ND (0.038) U	ND (0.04) U	
dibenzofuran	132-64-9	mg/kg	0.34 (0.2) J	ND (0.04) U	92 (1.9)	46 (1.9)	190 (5)	1100 (26)	0.24 (0.038) J	0.49 (0.04) J	
diethyl phthalate	84-66-2	mg/kg	ND (0.41) J	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
dimethyl phthalate	131-11-3	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
fluoranthene	206-44-0	mg/kg	5.7 (0.2)	0.098 (0.04) J	150 (1.9)	78 (1.9)	670 (5)	2000 (26)	0.73 (0.038) J	1.1 (0.04) J	
fluorene	86-73-7	mg/kg	ND (0.2)	ND (0.04) U	110 (1.9)	54 (1.9)	260 (5)	1500 (26)	0.35 (0.038) J	0.62 (0.04) J	
hexachlorobenzene	118-74-1	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
hexachlorocyclopentadiene	87-68-3	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	ND (0.075) U	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (1)	ND (0.2) U	ND (0.95)	ND (0.19) U	ND (25)	ND (13)	ND (0.19) U	ND (0.2) U	
hexachlorobenzene	87-72-1	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	2.9 (0.2)	0.057 (0.04) J	3.5 (0.19)	2 (0.037) U	120 (5)	81 (2.6)	0.04 (0.038) J	0.047 (0.04) J	
isophthalene	78-59-1	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
nitrobenzene	98-95-3	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
N-nitrosodiphenylamine	96-30-6	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
naphthalene	91-20-3	mg/kg	0.68 (0.2) J	ND (0.04) U	2.40 (1.9)	150 (1.9)	490 (5)	3500 (26)	0.15 (0.038) J	0.86 (0.04) J	
nitrobenzene	98-95-3	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19)	ND (0.037) U	ND (5)	ND (2.6)	ND (0.038) U	ND (0.04) U	
pentachlorophenol	87-86-5	mg/kg	ND (1)	ND (0.2) U	ND (0.95)	ND (0.19) U	ND (25)	ND (13)	ND (0.19) U	ND (0.2) U	
phenanthrene	85-01-8	mg/kg	1.7 (0.2) J	ND (0.04) U	300 (1.9)	170 (1.9)	750 (5)	4000 (26)	1.4 (0.038) J	2.2 (0.04) J	
phenol	108-95-2	mg/kg	ND (0.41)	ND (0.079) U	ND (0.38)	0.1 (0.075) J	ND (9.9)	ND (5.1)	ND (0.077) U	ND (0.08) U	
pyrene	129-00-0	mg/kg	5.3 (0.2)	0.091 (0.04) J	93 (1.9)	44 (1.9)	650 (5)	1300 (26)	0.45 (0.038) J	0.7 (0.04) J	
Other Parameters			N.A.			16.0 (0.06)			12.7 (0.06)		
Moisture Content^(b)			18.1 (0.06)			11.1 (0.06)			13.2 (0.06)		
wt. %			16.0 (0.06)			16.0 (0.06)			16.4 (0.06)		

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.
(a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.
(b) EPA method 603 (Methods for Chemical Analysis of Water and Wastes, March 1983).
U qualifier denotes not detected.
J qualifier denotes quantitation is estimated due to limitations identified during the data validation quality assurance review.
LJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-2
(Continued)

VOLATILE ORGANIC COMPOUND DATA SUMMARY
GROUND WATER MONITORING SAMPLES
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier					MW-13 (Duplicate) ^(b)
			MW-10	MW-11	MW-12	MW-13	MW-13	
<i>TCL Volatile Organics</i> ^(c)								
1,1,1-Trichloroethane	71-55-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
1,1,2-Trichloroethane	79-00-5	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
1,1-Dichloroethane	75-34-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
1,1-Dichloroethene	75-35-4	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,2-Dichloroethane	107-06-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
1,2-Dichloropropane	78-87-5	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-Butanone	78-93-3	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U
2-Hexanone	591-78-6	mg/L	ND (0.007)	U	ND (0.007)	U	ND (0.007)	U
4-Methyl-2-pentanone	108-10-1	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U
Acetone	67-64-1	mg/L	ND (0.006)	R	ND (0.006)	R	ND (0.006)	R
Benzene	71-43-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Bromodichloromethane	75-27-4	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Bromoform	75-25-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Bromomethane	74-83-9	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U
Carbon Disulfide	75-15-0	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U
Carbon Tetrachloride	56-23-5	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Chlorobenzene	108-90-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Chloroethane	75-00-3	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U
Chloroform	67-66-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Chloromethane	74-87-3	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U
cis-1,2-Dichloroethene	156-59-0	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
cis-1,3-Dichloropropene	10061-01-5	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Dibromochloromethane	124-48-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
Ethylbenzene	100-41-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
Methylene Chloride	75-09-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
Styrene	100-42-5	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Tetrachloroethene	127-18-4	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Toluene	108-88-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
trans-1,2-Dichloroethene	156-60-5	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
trans-1,3-Dichloropropene	10061-02-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Trichloroethene	79-01-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
Vinyl Chloride	75-01-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
Xylene (Total)	1330-20-7	mg/L	ND (0.001)	U	0.004 (0.001)	J	ND (0.001)	U

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample MW-19.

(b) Listed on chain-of-custody documentation as sample MW-23.

(c) Target Compound List (TCL) volatile organic compounds (VOCs) by EPA SW-846 method 8260.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

R qualifier denotes unusable result identified during data validation quality assurance review; analyte may or may not be present in the sample.

TABLE 4-2
(Continued)

SEMI-VOLATILE ORGANIC COMPOUND DATA SUMMARY
GROUND WATER MONITORING SAMPLES
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier									
			MW-01	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08			
TCL Semivolatile Organics (a)												
1,2,4-trichlorobenzene	120-82-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,2-dichlorobenzene	95-50-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,3-dichlorobenzene	541-73-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,4-dichlorobenzene	106-46-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,2-bis(4-chlorophenyl)propane	108-80-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4,5-trichlorophenol	95-95-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4,6-trichlorophenol	88-06-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4-dichlorophenol	120-83-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,4-dimethylphenol	105-87-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	0.048 (0.001)	U	ND (0.001)	U
2,4-dinitrophenol	51-28-5	mg/L	ND (0.015)	U	ND (0.015)	U	ND (0.015)	U	ND (0.015)	U	ND (0.015)	U
2,4-dinitrotoluene	121-14-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,6-dinitrotoluene	606-20-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-chloronaphthalene	91-58-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-chlorophenol	95-57-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-methylnaphthalene	91-57-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	0.033 (0.001)	U	ND (0.001)	U
2-methylphenol	95-48-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	0.035 (0.001)	U	ND (0.001)	U
2-nitroaniline	88-74-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	88-75-5	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
3,3'-dichlorobenzidine	91-94-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
3-nitroaniline	99-09-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
4,6-dinitro-2-methylphenol	534-32-1	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U
4-bromobiphenylether	101-55-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
4-chloro-3-methylphenol	59-50-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
4-chloroaniline	106-47-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
4-chlorophenylether	7005-72-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
4-methylphenol	106-44-5	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U	0.009 (0.003)	U	ND (0.003)	U
4-nitroaniline	100-01-6	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
4-nitrophenol	100-02-7	mg/L	ND (0.010)	U	ND (0.010)	U	ND (0.010)	U	ND (0.010)	U	ND (0.010)	U
6-cyanophthalene	83-32-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	0.023 (0.001)	U	ND (0.001)	U
isoeugenylacetate	208-96-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
anthracene	120-12-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
benzo(a)anthracene	56-55-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
benzo(b)pyrene	50-32-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
benzo(k)fluoranthene	205-99-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
benzo(g)herylene	191-24-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
benzo(e)fluoranthene	207-08-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
bis(2-chloroethoxy)methane	111-91-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
bis(2-chloroethyl)ether	111-44-4	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
bis(2-ethylhexyl)phthalate	117-81-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
butylbenzylphthalate	85-68-7	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
carbazole	86-74-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
chrysene	218-01-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
di-n-butylphthalate	84-74-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
di-n-octylphthalate	117-84-0	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
dibenz(a,h)anthracene	59-70-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
dibenzofuran	132-64-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
diethylphthalate	84-66-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
dimethylphthalate	131-11-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
fluoranthene	206-44-0	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
fluorene	86-73-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	0.019 (0.001)	U	ND (0.001)	U
hexachlorobenzene	118-74-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
hexachlorobutadiene	87-68-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
hexachlorocyclopentadiene	77-47-4	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U
hexachloroethane	67-72-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
indeno(1,2,3-cd)pyrene	193-39-5	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
isophthalate	78-59-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
N-nitrosodi-n-propylamine	621-64-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
N-nitrosodiphenylamine	86-30-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
naphthalene	91-20-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
nitrobenzene	98-95-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	0.8 (0.010)	U	ND (0.001)	U
pentachlorophenol	87-86-5	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U
phenanthrene	85-01-8	mg/L	ND (0.001)	U	0.002 (0.001)	J	ND (0.001)	U	0.013 (0.001)	U	ND (0.001)	U
phenol	108-95-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	0.008 (0.001)	J	ND (0.001)	U
pyrene	129-00-0	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.

(b) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

TABLE 4-2
(Continued)

SEMI-VOLATILE ORGANIC COMPOUND DATA SUMMARY
GROUND WATER MONITORING SAMPLES
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier							
			MW-09	MW-10	MW-11	MW-12	MW-13	MW-13 (Duplicate)		
TCL Semivolatile Organics (c)										
1,2,4-trichlorobenzene	120-82-1	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
1,2-dichlorobenzene	95-50-1	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
1,3-dichlorobenzene	541-73-1	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
1,4-dichlorobenzene	106-46-7	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2,2oxybis(1-chloropropane)	108-60-1	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
2,4,5-trichlorophenol	95-95-4	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
2,4,6-trichlorophenol	88-06-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
2,4-dichlorophenol	120-83-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2,4-dimethylphenol	105-67-9	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2,4-dinitrophenol	51-28-5	mg/L	ND (0.015) U	ND (0.015) U	ND (0.015) U	ND (0.015) U	ND (0.015) U	ND (0.015) U	ND (0.015) U	ND (0.016) U
2,4-dinitrotoluene	121-14-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2,6-dinitrotoluene	606-20-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
2-chloronaphthalene	91-58-7	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2-chlorophenol	95-57-8	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2-methylnaphthalene	91-57-6	mg/L	0.43 (0.020)	0.5 (0.030)	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.004 (0.001) J	ND (0.001) U	ND (0.001) U
2-methylphenol	95-48-7	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
2-nitroaniline	88-74-4	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
2-nitrophenol	88-75-5	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
3,3'-dichlorobenzidine	91-94-1	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
3-nitroaniline	99-09-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
4,6-dinitro-2-methylphenol	53-4-52-1	mg/L	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U
4-bromophenylphenylether	101-55-9	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
4-chloro-3-methylphenol	59-50-7	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
4-chloroaniline	106-47-8	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
4-chlorophenylphenylether	7005-72-3	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
4-methylphenol	106-44-5	mg/L	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U
4-nitroaniline	100-01-6	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
4-nitrophenol	100-02-7	mg/L	ND (0.010) U	ND (0.010) U	ND (0.010) U	ND (0.010) U	ND (0.010) U	ND (0.010) U	ND (0.010) U	ND (0.010) U
acetanaphthene	83-32-9	mg/L	0.19 (0.020) J	0.21 (0.030) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.003 (0.001) J	ND (0.001) U	ND (0.001) U
acenaphthylene	208-96-8	mg/L	0.007 (0.001) J	0.008 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
anthracene	120-12-7	mg/L	0.005 (0.001) J	0.005 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo(a)anthracene	56-55-3	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo(a)pyrene	50-32-8	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo(b)fluoranthene	205-99-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo(g)herylene	191-24-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo(k)fluoranthene	207-08-9	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
bis(2-chloroethoxy)methane	111-91-1	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
bis(2-chloroethyl)ether	111-44-4	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
bis(2-ethylhexyl)phthalate	117-81-7	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
butylbenzylphthalate	85-68-7	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
carbazole	86-74-8	mg/L	0.12 (0.001)	0.12 (0.001)	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.004 (0.001) J	ND (0.001) U	ND (0.001) U
chrysenes	218-01-9	mg/L	0.11 (0.001)	0.11 (0.001)	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
di-n-butylphthalate	84-74-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
di-n-octylphthalate	117-84-0	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
dibenz(a,h)anthracene	35-70-3	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
dibenzofuran	132-64-9	mg/L	0.12 (0.001)	0.14 (0.001)	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
diethylphthalate	84-66-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.004 (0.001) J	ND (0.001) U	ND (0.001) U
dimethylphthalate	131-11-3	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
fluoranthene	206-44-0	mg/L	0.007 (0.001) J	0.007 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
fluorene	86-73-7	mg/L	0.093 (0.001)	0.1 (0.001)	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.001 (0.001) J	ND (0.001) U	ND (0.001) U
hexachlorobenzene	118-74-1	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
hexachlorobutadiene	87-68-3	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
hexachlorocyclopentadiene	77-47-4	mg/L	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U
hexachloroethane	67-72-1	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
indeno(1,2,3-cd)pyrene	193-39-5	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
isophtorone	78-59-1	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
N-nitrosodiphenylamine	271-64-7	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
N-nitrosodiphenylamine	86-30-6	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
naphthalene	91-20-3	mg/L	2.1 (0.020)	2.4 (0.030)	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.072 (0.001)	ND (0.001) U	ND (0.001) U
nitrobenzene	98-95-3	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
pentachlorophenol	87-96-5	mg/L	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U
phenanthrene	85-01-8	mg/L	0.052 (0.001)	0.058 (0.001)	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
phenol	108-95-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
pyrene	129-00-0	mg/L	0.004 (0.001) J	0.004 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample MW-19.

(b) Listed on chain-of-custody documentation as sample MW-23.

(c) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

TABLE 4-2
(Continued)

PAH COMPOUND DATA SUMMARY
GROUND WATER MONITORING SAMPLES
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Crosscutting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier											
			MW-01	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08					
<i>PAH Compounds</i> ^(a)														
Acenaphthene	83-32-9	mg/L	ND (0.000780)	U	ND (0.00079)	U	ND (0.00080)	U	0.026 (0.00081)	J	ND (0.00083)	U	ND (0.00081)	U
Acenaphthylene	208-96-8	mg/L	ND (0.000780)	U	ND (0.00079)	U	ND (0.00080)	U	0.026 (0.00081)	J	ND (0.00083)	U	ND (0.00081)	U
Anthracene	120-12-7	mg/L	ND (0.00030)	J	0.00031 (0.00030)	U	ND (0.00031)	U	0.00075 (0.00031)	J	ND (0.00032)	U	ND (0.00031)	U
Benzo(a)anthracene	56-55-3	mg/L	ND (0.00018)	U	0.00131 (0.00017)	U	ND (0.00018)	U	0.00018 (0.00018)	J	ND (0.00019)	U	ND (0.00018)	U
Benzo(a)pyrene	50-32-8	mg/L	ND (0.00021)	U	ND (0.00021)	U	ND (0.00022)	U	0.00032 (0.00022)	J	ND (0.00023)	U	ND (0.00023)	U
Benzo(b)fluoranthene	205-99-2	mg/L	ND (0.00034)	U	ND (0.00034)	U	ND (0.00035)	U	0.00047 (0.00035)	J	ND (0.00036)	U	ND (0.00036)	U
Benzo(k)fluoranthene	191-24-2	mg/L	ND (0.00057)	U	ND (0.00057)	U	ND (0.00058)	U	0.00067 (0.00058)	J	ND (0.00059)	U	ND (0.00059)	U
Benzo(b)fluoranthene	207-08-9	mg/L	ND (0.00025)	U	ND (0.00026)	U	ND (0.00027)	U	0.00027 (0.00027)	U	ND (0.00028)	U	ND (0.00027)	U
Chrysene	218-01-9	mg/L	0.00067 (0.00058)	J	0.0039 (0.00057)	U	0.00063 (0.00058)	J	0.00074 (0.00058)	J	ND (0.00060)	U	ND (0.00061)	U
Dibenz(a,h)anthracene	53-70-3	mg/L	ND (0.00046)	U	ND (0.00046)	U	ND (0.00047)	U	0.00052 (0.00047)	J	ND (0.00048)	U	ND (0.00048)	U
Fluoranthene	206-44-0	mg/L	ND (0.00020)	U	0.00038 (0.00019)	U	ND (0.00020)	U	0.00020 (0.00020)	J	ND (0.00021)	U	ND (0.00020)	U
Fluorene	86-73-7	mg/L	ND (0.00170)	U	0.00059 (0.00160)	U	ND (0.00170)	U	0.0155 (0.003-4)	J	ND (0.00180)	U	ND (0.00170)	U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/L	ND (0.00063)	U	ND (0.00062)	U	ND (0.00063)	U	0.00064 (0.00064)	U	ND (0.00065)	U	ND (0.00065)	U
Naphthalene	91-20-3	mg/L	ND (0.000780)	U	ND (0.000780)	U	ND (0.00079)	U	0.00080 (0.00080)	J	ND (0.00081)	U	ND (0.00081)	U
Phenanthrene	85-01-8	mg/L	ND (0.00045)	U	0.00214 (0.00045)	U	ND (0.00045)	U	0.00928 (0.00047)	J	ND (0.00048)	U	ND (0.00047)	U
Pyrene	129-00-0	mg/L	0.00329 (0.000180)	J	ND (0.000170)	U	10.4 (0.0018)	f(b)	ND (0.00180)	U	0.00142 (0.000190)	J	ND (0.000180)	U

NOTES:

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Polycyclic Aromatic Hydrocarbons (PAHs) by EPA SW-846 method 8310.
- (b) Corrected value resulting from data validation quality assurance review.
- U qualifier denotes not detected.
- J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.
- f(b) qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-2
(Continued)

PAH COMPOUND DATA SUMMARY
GROUND WATER MONITORING SAMPLES
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Crude Oil Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier												
			MW-09	MW-10	MW-11	MW-12	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	
			(Duplicates) ^(a)												
<i>PAH Compounds</i> ^(c)															
Acenaphthene	83-32-9	mg/L	0.230 (0.000800)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Acenaphthylene	248-36-8	mg/L	0.197 (0.000800)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Anthracene	124-12-7	mg/L	0.00417 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Benz[a]anthracene	56-55-3	mg/L	ND (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Benzofluoranthene	50-32-6	mg/L	ND (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Benzofluoranthene	205-99-2	mg/L	0.00041 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Benzofluoranthene	191-24-2	mg/L	ND (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Benzofluoranthene	207-08-9	mg/L	0.00037 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Chrysene	218-01-9	mg/L	0.00024 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Dibenzofluoranthene	33-70-3	mg/L	ND (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Fluorene	206-44-9	mg/L	0.00632 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Fluorene	86-73-7	mg/L	0.023 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Indeno[1,2,3-cd]pyrene	193-39-5	mg/L	ND (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Naphthalene	91-20-3	mg/L	2.200 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Phenanthrene	85-01-8	mg/L	0.050 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)
Pyrene	129-00-0	mg/L	0.00515 (0.000810)	ND (0.000820)	U (0.000840)	U (0.000860)	U (0.000880)	U (0.000900)	U (0.000920)	U (0.000940)	U (0.000960)	U (0.000980)	U (0.001000)	U (0.001020)	U (0.001040)

NOTES:

- ND denotes "Not Detected" at method detection limit shown in parentheses.
- (a) Listed on chain-of-custody documentation as sample MW-19.
- (b) Listed on chain-of-custody documentation as sample MW-23.
- (c) Polynuclear Aromatic Hydrocarbons (PAHs) by EPA SW-846 method 8010.
- (d) Qualifier denotes not detected.
- (e) Qualifier denotes quantitation is estimated due to limit(s) identified during data validation quality assurance review.
- (f) Qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-3
SURFACE WATER SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier				
			SW-02	SW-03	SW-04	SW-06	SW-07
<i>TCI Semivolatile Organics (a)</i>							
1,2,4-trichlorobenzene	120-82-1	mg/L	ND (0.001)	ND (0.001)	U	ND (0.001)	U
1,2-dichlorobenzene	95-50-1	mg/L	ND (0.001)	ND (0.001)	U	ND (0.001)	U
1,3-dichlorobenzene	541-73-1	mg/L	ND (0.001)	ND (0.001)	U	ND (0.001)	U
1,4-dichlorobenzene	106-46-7	mg/L	ND (0.001)	ND (0.001)	U	ND (0.001)	U
2,2'-oxybis(1-chloropropane)	108-60-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
2,4,5-trichlorophenol	95-93-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
2,4,6-trichlorophenol	88-06-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
2,4-dichlorophenol	120-83-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
2,4-dimethylphenol	105-67-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
2,4-dinitrophenol	51-28-5	mg/L	ND (0.016)	U	ND (0.016)	U	ND (0.015)
2,4-dinitrotoluene	121-14-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
2,6-dinitrotoluene	606-20-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
2-chloronaphthalene	91-58-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
2-methylnaphthalene	95-57-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
2-methylphenol	91-57-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
2-methylphenol	95-48-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
2-nitrophenol	88-74-4	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
2-nitrophenol	88-75-5	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
3,3'-dichlorobenzidine	91-94-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
3-nitroaniline	99-09-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
4,6-dinitro-2-methylphenol	534-52-1	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)
4-bromophenyl phenyl ether	101-55-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
4-chloro-3-methylphenol	59-50-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
4-chloroaniline	106-47-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
4-chlorophenyl phenyl ether	7005-72-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
4-methylphenol	106-44-5	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)
4-nitroaniline	100-01-6	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
4-nitrophenol	100-02-7	mg/L	ND (0.01)	U	ND (0.01)	U	ND (0.01)
acetylphenylene	83-32-9	mg/L	0.014 (0.001)	U	0.009 (0.001)	U	ND (0.001)
acetylphenylene	208-96-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
anthracene	120-12-7	mg/L	0.013 (0.001)	U	ND (0.001)	U	ND (0.001)
benzo (a) anthracene	56-55-3	mg/L	0.005 (0.001)	U	ND (0.001)	U	ND (0.001)
benzo (b) pyrene	50-32-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
benzo (b) fluoranthene	205-99-2	mg/L	0.012 (0.001)	U	0.009 (0.001)	U	ND (0.001)
benzo (ghi) perylene	191-24-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
benzo (k) fluoranthene	207-08-9	mg/L	0.002 (0.001)	U	ND (0.001)	U	ND (0.001)
bis (2-chloroethoxy) methane	111-91-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
bis (2-chloroethyl) ether	111-44-4	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
bis (2-ethylhexyl) phthalate	117-81-7	mg/L	0.003 (0.002)	U	ND (0.002)	U	ND (0.002)
butyl benzyl phthalate	85-68-7	mg/L	0.003 (0.002)	U*	ND (0.002)	U	ND (0.002)
carbazole	86-74-8	mg/L	0.01 (0.001)	U	ND (0.001)	U	ND (0.001)
chrysene	218-01-9	mg/L	0.006 (0.001)	U	ND (0.001)	U	ND (0.001)
di-n-butyl phthalate	84-74-2	mg/L	0.009 (0.002)	U*	ND (0.002)	U	ND (0.002)
di-n-octyl phthalate	117-84-0	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
dibenz (a,h) anthracene	53-70-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
dibenzofuran	132-64-9	mg/L	0.011 (0.001)	U	ND (0.001)	U	ND (0.001)
diethyl phthalate	84-66-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
dimethyl phthalate	131-11-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
fluoranthene	206-44-0	mg/L	0.039 (0.001)	U	0.013 (0.001)	U	ND (0.001)
fluorene	86-73-7	mg/L	0.012 (0.001)	U	0.011 (0.001)	U	ND (0.001)
hexachlorobenzene	118-74-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
hexachlorobutadiene	87-68-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)
hexachlorocyclopentadiene	77-47-4	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)
hexachlorocyclopentadiene	67-72-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
indeno (1,2,3-cd) pyrene	193-39-5	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
isophthalate	78-59-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
N-nitrosodi-n-propylamine	621-64-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
N-nitrosodiphenylamine	96-30-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
naphthalene	91-20-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
nitrobenzene	98-95-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
pentachlorophenol	87-86-5	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)
phenanthrene	83-01-8	mg/L	0.017 (0.001)	U	ND (0.001)	U	ND (0.001)
phenol	108-95-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)
pyrene	129-00-0	mg/L	0.021 (0.001)	U	ND (0.001)	U	ND (0.001)

NOTES:

(a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.

(b) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.

ND denotes "Not Detected" at method detection limit shown in parentheses.

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a similar concentration.

TABLE 4-3
(Continued)

SURFACE WATER SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Sewering Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier					CFC/1 ^b
			SW-08	SW-09	SW-10	SW-11	SW-12	
TCL Semivolatile Organics (c)								
1,2,4-trichlorobenzene	70-82-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,2-dichlorobenzene	95-50-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,3-dichlorobenzene	541-73-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
1,4-dichlorobenzene	106-46-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,2'-oxybis(1-chloroethane)	108-60-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4,5-trichlorophenol	95-26-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4,6-trichlorophenol	88-06-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2,4-dichlorophenol	120-82-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,4,6-trichlorophenol	108-67-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,4-dinitrophenol	51-28-5	mg/L	ND (0.015)	U	ND (0.015)	U	ND (0.015)	U
2,4-dinitrophenol	121-14-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2,4-dinitrophenol	606-30-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-chloronaphthalene	91-58-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	95-57-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	91-57-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	95-48-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	88-74-4	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	88-75-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	91-94-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	99-09-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	91-58-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	101-55-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	99-50-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	106-77-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	7005-72-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	106-44-5	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U
2-nitrophenol	100-01-6	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	100-02-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	83-32-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	208-96-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	120-12-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	56-55-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	90-32-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	205-99-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	191-54-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	207-08-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	111-91-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	111-44-4	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	117-81-7	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	85-04-7	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	96-74-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	218-01-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	84-74-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	117-84-0	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	51-70-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	532-64-9	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	84-66-2	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	131-11-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	206-44-6	mg/L	0.015 (0.001)	J	0.002 (0.001)	J	0.012 (0.001)	J
2-nitrophenol	86-72-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	118-74-1	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	87-68-3	mg/L	ND (0.002)	U	ND (0.002)	U	ND (0.002)	U
2-nitrophenol	77-47-4	mg/L	ND (0.005)	U	ND (0.005)	U	ND (0.005)	U
2-nitrophenol	67-72-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	109-39-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	76-59-1	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	621-64-7	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	86-30-6	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	91-20-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	98-95-3	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	87-46-5	mg/L	ND (0.003)	U	ND (0.003)	U	ND (0.003)	U
2-nitrophenol	85-01-8	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	108-95-2	mg/L	ND (0.001)	U	ND (0.001)	U	ND (0.001)	U
2-nitrophenol	129-00-0	mg/L	0.001 (0.001)	J	0.001 (0.001)	J	0.001 (0.001)	J

NOTES:

- (a) Limit on chase-of-quantity determination as sample SW-12.
- (b) County Ford leadership stormwater outfall.
- (c) Target Compound List (TCL) base neutralized-extractable organic compounds by EPA SW-846 method 8270.
- (d) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.
- ND denotes "Not Detected" at method detection limit shows in parentheses.
- U qualifier denotes not detected.
- J qualifier denotes quantitative is estimated, due to limitations identified during data validation quality assurance review.
- U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a similar concentration.
- UF qualifier denotes that the compound was not detected, but the quantitative limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

TABLE 4-4

SEDIMENT SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier									
			SD-01	SD-02	SD-03	SD-04	SD-05	SD-06				
TCL Semivolatile Organics^(a)												
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
2,2'-oxybis (1-chloropropane)	106-90-1	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.079)	U	1.5 (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.230)	U	ND (3)	ND (0.25)	U	ND (2.3)	ND (0.24)	U	ND (0.23)	U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.4)	ND (0.084)	U	ND (0.078)	U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
2-chlorophenol	95-57-8	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
2-methylnaphthalene	91-57-6	mg/kg	ND (0.039)	U	1.50 (25)	0.44 (0.043)	U	38 (0.4)	0.091 (0.042)	J	ND (0.039)	U
2-methylphenol	95-48-7	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
2-nitroaniline	88-74-4	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
2-nitrophenol	88-75-5	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
3-nitroaniline	99-09-2	mg/kg	ND (0.079)	U	ND (1)	0.093 (0.085)	J	ND (0.8)	0.11 (0.084)	J	ND (0.078)	U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.200)	U	ND (2.5)	ND (0.21)	U	ND (2)	ND (0.21)	U	ND (0.19)	U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
4-chloroaniline	106-47-8	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
4-nitroaniline	100-01-6	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
4-nitrophenol	100-02-7	mg/kg	ND (0.200)	U	ND (2.5)	ND (0.21)	U	ND (2)	ND (0.21)	U	ND (0.19)	U
acenaphthene	83-32-9	mg/kg	ND (0.039)	U	100 (25)	0.89 (0.043)	U	140 (20)	0.1 (0.042)	J	ND (0.039)	U
acenaphthylene	208-96-8	mg/kg	ND (0.039)	U	35 (0.51)	8.9 (0.85)	U	6.8 (0.4)	0.17 (0.042)	J	ND (0.039)	U
anthracene	120-12-7	mg/kg	ND (0.039)	U	190 (25)	5.5 (0.85)	J	3.3 (0.4)	0.88 (0.042)	J	ND (0.039)	U
benzo (a) anthracene	56-55-3	mg/kg	0.062 (0.039)	J	330 (25)	27 (0.85)	U	100 (20)	0.93 (0.042)	U	ND (0.039)	U
benzo (a) pyrene	50-32-8	mg/kg	0.056 (0.039)	J	130 (25)	49 (0.85)	U	33 (0.4)	0.97 (0.042)	U	ND (0.039)	U
benzo (b) fluoranthene	205-99-2	mg/kg	0.120 (0.039)	J	180 (25)	78 (0.85)	U	46 (0.4)	1.4 (0.042)	U	ND (0.039)	U
benzo (ghi) perylene	191-24-2	mg/kg	0.046 (0.039)	J	36 (0.51)	32 (0.85)	U	9.5 (0.4)	0.42 (0.042)	U	ND (0.039)	U
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.039)	U	64 (0.51)	23 (0.85)	U	18 (0.4)	0.5 (0.042)	U	ND (0.039)	U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	0.082 (0.079)	U*	ND (1)	0.25 (0.085)	U*	0.88 (0.8)	0.15 (0.084)	U*	ND (0.078)	U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
carbazole	86-74-8	mg/kg	ND (0.039)	U	990 (25)	0.97 (0.043)	U	100 (20)	0.22 (0.042)	J	ND (0.039)	U
chrysene	218-01-9	mg/kg	0.077 (0.039)	J	290 (25)	42 (0.85)	U	76 (20)	1.3 (0.042)	J	ND (0.039)	U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
dibenz (a,h) anthracene	53-70-3	mg/kg	ND (0.039)	U	12 (0.51)	9.6 (0.85)	U	3.3 (0.4)	0.15 (0.042)	J	ND (0.039)	U
dibenzofuran	132-64-9	mg/kg	ND (0.039)	U	940 (25)	0.48 (0.043)	U	150 (20)	0.1 (0.042)	J	ND (0.039)	U
diethyl phthalate	84-66-2	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
dimethyl phthalate	131-11-3	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
fluoranthene	206-44-0	mg/kg	0.089 (0.039)	J	160 (25)	21 (0.85)	U	470 (20)	2 (0.042)	J	ND (0.039)	U
fluorene	86-73-7	mg/kg	ND (0.039)	U	120 (25)	1 (0.043)	U	260 (20)	0.18 (0.042)	J	ND (0.039)	U
hexachlorobenzene	118-74-1	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.079)	U	ND (1)	ND (0.043)	U	ND (0.8)	ND (0.042)	U	ND (0.039)	U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.200)	U	ND (2.5)	ND (0.21)	U	ND (2)	ND (0.21)	U	ND (0.19)	U
hexachloroethane	67-72-1	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	0.049 (0.039)	J	47 (0.51)	39 (0.85)	U	12 (0.4)	0.54 (0.042)	U	ND (0.039)	U
isofluorene	78-59-1	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
naphthalene	91-20-3	mg/kg	ND (0.039)	U	300 (25)	1.6 (0.043)	U	14 (0.4)	0.16 (0.042)	J	ND (0.039)	U
nitrobenzene	98-95-3	mg/kg	ND (0.039)	U	ND (0.51)	ND (0.043)	U	ND (0.4)	ND (0.042)	U	ND (0.039)	U
pentachlorophenol	87-86-5	mg/kg	ND (0.200)	U	ND (2.5)	ND (0.21)	U	ND (2)	ND (0.21)	U	ND (0.19)	U
phenanthrene	85-01-8	mg/kg	ND (0.039)	U	320 (25)	3.6 (0.043)	U	870 (20)	0.66 (0.042)	U	ND (0.039)	U
phenol	108-95-2	mg/kg	ND (0.079)	U	ND (1)	ND (0.085)	U	ND (0.8)	ND (0.084)	U	ND (0.078)	U
pyrene	129-00-0	mg/kg	0.110 (0.039)	J	100 (25)	32 (0.85)	U	300 (20)	1.6 (0.042)	U	ND (0.039)	U

Other Parameters

Moisture Content^(b) N.A. wt. % 15.1 (0.08) 34.2 (0.08) 21.9 (0.08) 16.4 (0.08) 20.5 (0.08) 14.3 (0.08)

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.

(b) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

(c) Low concentrations of this common laboratory contaminant warrant caution if this value is used as basis for environmental risk assessment or other decision-making process.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

U* qualifier denotes not detected.

U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a similar concentration.

TABLE 4-4
(Continued)

SEDIMENT SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier					
			SD-07	SD-08	SD-09	SD-10	SD-11	
TCL Semivolatile Organics ^(b)								
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
2,2'-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.24) U	ND (0.23) U	ND (0.22) U	ND (0.23) UJ	ND (0.23) U	ND (0.26) U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
2-chlorophenol	95-57-8	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
2-methylnaphthalene	91-57-6	mg/kg	0.51 (0.041)	0.074 (0.04) J	0.044 (0.037) J	0.055 (0.039) J	ND (0.04) U	ND (0.045) U
2-methylphenol	95-48-7	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
2-nitroaniline	88-74-4	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
2-nitrophenol	88-75-5	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
3-nitroaniline	99-09-2	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.2) U	ND (0.2) U	ND (0.19) U	ND (0.19) UJ	ND (0.2) U	ND (0.23) U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
4-chloroaniline	106-47-8	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
4-chlorophenyl phenyl ether	7865-72-3	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
4-nitroaniline	100-01-6	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
4-nitrophenol	100-02-7	mg/kg	ND (0.2) U	ND (0.2) U	ND (0.19) U	ND (0.19) UJ	ND (0.2) U	ND (0.23) U
acenaphthene	83-32-9	mg/kg	0.45 (0.041)	0.18 (0.04) J	0.37 (0.037) J	0.24 (0.039) J	ND (0.04) U	ND (0.045) U
acenaphthylene	208-96-8	mg/kg	0.078 (0.041) J	ND (0.04) U	ND (0.037) U	0.057 (0.039) J	ND (0.04) U	ND (0.045) U
anthracene	120-12-7	mg/kg	0.46 (0.041)	0.26 (0.04) J	0.12 (0.037) J	0.87 (0.039) J	0.054 (0.04) J	ND (0.045) U
benzo (a) anthracene	56-55-3	mg/kg	0.59 (0.041)	0.18 (0.04) J	0.24 (0.037) J	0.37 (0.039) J	ND (0.04) U	ND (0.045) U
benzo (a) pyrene	50-32-8	mg/kg	0.39 (0.041) J	0.12 (0.04) J	0.11 (0.037) J	0.23 (0.039) J	ND (0.04) U	ND (0.045) U
benzo (b) fluoranthene	205-99-2	mg/kg	0.58 (0.041)	0.17 (0.04) J	0.17 (0.037) J	0.34 (0.039) J	ND (0.04) U	ND (0.045) U
benzo (ghi) perylene	191-24-2	mg/kg	0.18 (0.041) J	0.065 (0.04) J	0.042 (0.037) J	0.098 (0.039) J	ND (0.04) U	ND (0.045) U
benzo (k) fluoranthene	207-08-9	mg/kg	0.19 (0.041) J	0.064 (0.04) J	0.05 (0.037) J	0.13 (0.039) J	ND (0.04) U	ND (0.045) U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	0.39 (0.08) U*	ND (0.091) U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
carbazole	86-74-8	mg/kg	0.57 (0.041)	0.16 (0.04) J	ND (0.037) U	0.081 (0.039) J	ND (0.04) U	ND (0.045) U
chrysene	218-01-9	mg/kg	0.53 (0.041)	0.18 (0.04) J	0.21 (0.037) J	0.61 (0.039) J	ND (0.04) U	ND (0.045) U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
dibenz (a,h) anthracene	53-70-3	mg/kg	0.062 (0.041) J	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
dibenzofuran	132-64-9	mg/kg	0.41 (0.041)	0.15 (0.04) J	0.21 (0.037) J	0.18 (0.039) J	ND (0.04) U	ND (0.045) U
diethyl phthalate	84-66-2	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
dimethyl phthalate	131-11-3	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
fluoranthene	206-44-0	mg/kg	1.7 (0.041)	0.68 (0.04) J	0.87 (0.037) J	1.1 (0.039) J	0.1 (0.04) J	ND (0.045) U
fluorene	86-73-7	mg/kg	0.62 (0.041)	0.23 (0.04) J	0.34 (0.037) J	0.3 (0.039) J	ND (0.04) U	ND (0.045) U
hexachlorobenzene	118-74-1	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.081) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.2) U	ND (0.2) U	ND (0.19) U	ND (0.19) UJ	ND (0.2) U	ND (0.23) U
hexachloroethane	67-72-1	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	0.22 (0.041) J	0.069 (0.04) J	0.051 (0.037) J	0.12 (0.039) J	ND (0.04) U	ND (0.045) U
isophorone	78-59-1	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
naphthalene	91-20-3	mg/kg	1.1 (0.041)	0.18 (0.04) J	0.18 (0.037) J	0.24 (0.039) J	ND (0.04) U	ND (0.045) U
nitrobenzene	98-95-3	mg/kg	ND (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) U
pentachlorophenol	87-86-5	mg/kg	ND (0.2) U	ND (0.2) U	ND (0.19) U	ND (0.19) UJ	ND (0.2) U	ND (0.23) U
phenanthrene	85-01-8	mg/kg	1.7 (0.041)	0.72 (0.04) U	0.5 (0.037) U	0.89 (0.039) J	0.12 (0.04) J	ND (0.045) U
phenol	108-95-2	mg/kg	ND (0.000) U	ND (0.08) U	ND (0.075) U	ND (0.078) UJ	ND (0.08) U	ND (0.091) U
pyrene	129-00-0	mg/kg	1.4 (0.041) V	0.48 (0.04) J	0.72 (0.037) J	0.75 (0.039) J	0.079 (0.04) J	ND (0.045) U

Other Parameters

Moisture Content ^(c)	N.A.	wt. %	18.1 (0.08)	16.7 (0.08)	10.6 (0.08)	14.0 (0.08)	16.6 (0.08)	26.5 (0.08)
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NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.

(a) Listed on chain-of-custody documentation as sample SD-12.

(b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270, reported as dry-weight concentrations.

(c) EPA method 160.3 (Methods for Chemical Analysis of Water and Wastes, March 1983).

U qualifier denotes not detected.

J qualifier denotes quantitation is estimated due to limitations identified during data validation quality assurance review.

U* qualifier denotes that compound should be considered "not-detected" since it was detected in a corresponding field, trip, and/or laboratory blank sample at a similar concentration.

UJ qualifier denotes that the compound was not detected, but the quantitation limit may or may not be higher than the value shown in parentheses due to a bias identified during the data validation quality assurance review.

Table 4-1

Summary of Soil Analytical Results
Fill Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-43/7-8'	GEO-44/5-6'	GEO-45/7-8'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>					
Naphthalene	91-20-3	mg/kg	ND (0.028)	ND (0.3)	ND (0.31)
Acenaphthylene	208-96-8	mg/kg	ND (0.028)	ND (0.3)	ND (0.31)
Acenaphthene	83-32-9	mg/kg	ND (0.028)	ND (0.3)	ND (0.31)
Fluorene	86-73-7	mg/kg	ND (0.0026)	0.029 J	ND (0.028)
Phenanthrene	85-01-8	mg/kg	ND (0.0011)	0.22	ND (0.011)
Anthracene	120-12-7	mg/kg	ND (0.0053)	0.111	ND (0.0057)
Fluoranthene	206-44-0	mg/kg	ND (0.0053)	0.297	ND (0.0057)
Pyrene	129-00-0	mg/kg	ND (0.0026)	0.31	ND (0.028) U*
Benz(a)anthracene	56-55-3	mg/kg	ND (0.0026)	0.107	ND (0.0028) U*
Chrysene	218-01-9	mg/kg	ND (0.0011)	ND (0.011) U*	ND (0.011) U*
Benz(o)fluoranthene	205-99-2	mg/kg	0.00076 J	0.095	0.0031 J
Benz(o)k)fluoranthene	207-08-9	mg/kg	0.00051 J	0.051	0.0026 J
Benz(o)pyrene	50-32-8	mg/kg	0.00169 J	0.116	0.0066 J
Dibenz(a,h)anthracene	53-70-3	mg/kg	ND (0.00053)	0.0188 J	ND (0.0057)
Benz(o,g,h,i)perylene	191-24-2	mg/kg	0.0018 J	0.085 J	ND (0.017)
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.0014 J	0.102 J	ND (0.011)
<i>Other Parameters</i>					
Moisture		%	5.06%	9.6%	11.7%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-2

Summary of Soil Analytical Results
Process AreaGulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-460-1'	GEO-462-3'	GEO-465-6'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>					
Naphthalene	91-20-3	mg/kg	ND (12.0)	ND (0.15)	ND (0.15)
Acenaphthylene	208-96-8	mg/kg	ND (12.0)	ND (0.15)	ND (0.15)
Acenaphthene	83-32-9	mg/kg	ND (12.0)	ND (0.15)	ND (0.15)
Fluorene	86-73-7	mg/kg	1.50 J	ND (0.014)	ND (0.014)
Phenanthrene	85-01-8	mg/kg	8.20	0.041 J	0.0061 J
Anthracene	120-12-7	mg/kg	24.0	0.130	ND (0.0029)
Fluoranthene	206-44-0	mg/kg	37.0	0.190	0.045
Pyrene	129-00-0	mg/kg	54.0	0.250	0.056 J
Benzo(a)anthracene	56-55-3	mg/kg	20.0	0.094	0.032
Chrysene	218-01-9	mg/kg	20.0	0.100	0.033 J
Benzo(b)fluoranthene	205-99-2	mg/kg	21.0	0.096	0.053
Benzo(k)fluoranthene	207-08-9	mg/kg	11.0	0.052	0.026
Benzo(a)pyrene	50-32-8	mg/kg	16.0	0.083	0.045
Dibenz(a,h)anthracene	53-70-3	mg/kg	2.30	0.011 J	0.0069 J
Benzo(g,h,i)perylene	191-24-2	mg/kg	7.80	0.035 J	0.030 J
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	9.70	0.046 J	0.034 J
<i>Other Parameters</i>					
Moisture		%	8.46%	10.80%	12.80%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinse blanks.

Table 4-2
(Continued)

Summary of Soil Analytical Results
Process Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-47/0-1'	GEO-47/2-3'	GEO-47/5-6'	GEO-47/7-8'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	mg/kg	ND (2.8)	ND (0.14)	190	12.00 J
Acenaphthylene	208-96-8	mg/kg	ND (2.8)	ND (0.14)	ND (3.40) U*	ND (3.2)
Acenaphthene	83-32-9	mg/kg	ND (2.8)	ND (0.14)	45.0	8.80 J
Fluorene	86-73-7	mg/kg	ND (0.26)	ND (0.013)	43.0	9.70
Phenanthrene	85-01-8	mg/kg	0.31 J	0.0053 J	110	31.00
Anthracene	120-12-7	mg/kg	ND (0.053)	ND (0.0026)	6.6	1.90
Fluoranthene	206-44-0	mg/kg	2.80	0.01 J	65.0	16.00
Pyrene	129-00-0	mg/kg	5.10	0.016 J	69.0	16.00
Benz(a)anthracene	56-55-3	mg/kg	2.10	0.0049 J	15.0	3.40
Chrysene	218-01-9	mg/kg	2.70	ND (0.0051)	14.0	2.00
Benzo(b)fluoranthene	205-99-2	mg/kg	3.50	0.011	8.90	1.40
Benzo(k)fluoranthene	207-08-9	mg/kg	1.80	0.0056 J	4.80	0.78
Benzo(a)pyrene	50-32-8	mg/kg	3.00	0.011 J	9.60	1.50
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.48 J	ND (0.0026)	1.40	0.25 J
Benzo(g,h)perylene	191-24-2	mg/kg	1.60 J	0.0089 J	3.30	0.39 J
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	2.00	0.009 J	4.90	0.65 J
<i>Other Parameters</i>						
Moisture		%	5.17%	2.67%	20.9%	15.4%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-2
(Continued)

Summary of Soil Analytical Results
Process Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-48/0-1'	GEO-48/2-3'	GEO-48/5-6'	GEO-59/0-1'	GEO-59/2-3'	GEO-59/5-6'
Polycyclic Aromatic Hydrocarbons (PAHs)								
Naphthalene	91-20-3	mg/kg	2,200 J	80	0.17 J	4.8 J	ND (0.16)	ND (0.16)
Acenaphthylene	208-96-8	mg/kg	ND (1500)	ND (3.4)	U*	ND (2.4)	ND (0.16)	ND (0.16) U*
Acenaphthene	83-32-9	mg/kg	ND (1500)	36	ND (0.16)	ND (2.4)	ND (0.16)	ND (0.16)
Fluorene	86-73-7	mg/kg	1,800	43	0.16 J	0.95 J	0.026 J	ND (0.015)
Phenanthrene	85-01-8	mg/kg	6,400	130	0.6	10	0.12	0.054 J
Anthracene	120-12-7	mg/kg	3,000	8.4	0.12	ND (0.044)	ND (0.003) U*	ND (0.003) U*
Fluoranthene	206-44-0	mg/kg	4,600	64	0.22	15	0.13	0.049
Pyrene	129-00-0	mg/kg	4,400	61	0.2	16	0.13 J	0.081 J
Benzo(a)anthracene	56-55-3	mg/kg	930	12	0.022	5.8	0.042	0.026
Chrysene	218-01-9	mg/kg	690	20	0.0099 J	4.8	0.037 J	0.057 J
Benzo(b)fluoranthene	205-99-2	mg/kg	530	5.2	0.014	5.7	0.071	0.087 J
Benzo(k)fluoranthene	207-08-9	mg/kg	290	3.0	0.0075 J	2.8	0.032	0.038 J
Benzo(a)pyrene	50-32-8	mg/kg	500	6.1	0.017 J	6.1	0.072	0.1 J
Dibenz(a,h)anthracene	53-70-3	mg/kg	64 J	0.85	0.0038 J	0.94	0.011 J	0.021 J
Benzo(g,h,i)perylene	191-24-2	mg/kg	130 J	1.4 J	0.013 J	3.7	0.036 J	0.087
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	250 J	2.6	ND (0.006)	4.6	0.051 J	0.095
Other Parameters								
Moisture		%	29.7%	20.6%	17.2%	8.55%	16.7%	16.0%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level

presence of the analyte in associated laboratory method blanks and/or rinseate blanks.

Table 4-2
(Continued)

Summary of Soil Analytical Results
Process Area

Gulf States Crosscutting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-600-1'	GEO-600-1' Duplicate ^(a)	GEO-602-3'	GEO-605-6'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	mg/kg	ND (0.56)	ND (0.56)	ND (0.029)	ND (0.032)
Acenaphthylene	208-96-8	mg/kg	ND (0.56)	ND (0.56)	ND (0.029)	U*
Acenaphthene	83-32-9	mg/kg	ND (0.56)	ND (0.56)	ND (0.029)	ND (0.032)
Fluorene	86-73-7	mg/kg	ND (0.052)	ND (0.052)	0.0036	J ND (0.0029)
Phenanthrene	85-01-8	mg/kg	0.15	J 0.14	J 0.012	0.0068
Anthracene	120-12-7	mg/kg	ND (0.01)	ND (0.01)	ND (0.00054)	ND (0.00058)
Fluoranthene	206-44-0	mg/kg	0.42	0.34	0.016	0.013
Pyrene	129-00-0	mg/kg	0.58	0.47	J 0.020	J 0.016
Benz(a)anthracene	56-55-3	mg/kg	0.26	0.18	0.0091	0.0068
Chrysene	218-01-9	mg/kg	0.27	0.16	J 0.0024	J 0.0032
Benzo(b)fluoranthene	205-99-2	mg/kg	0.44	0.3	0.013	0.009
Benzo(k)fluoranthene	207-08-9	mg/kg	0.21	0.14	0.0062	0.0047
Benzo(a)pyrene	50-32-8	mg/kg	0.37	0.25	0.010	0.0083
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.066	J 0.05	J 0.0017	J 0.0019
Benzo(g,h,i)perylene	191-24-2	mg/kg	0.26	J 0.19	J 0.0074	J 0.0067
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.29	0.19	J 0.0083	J 0.0078
<i>Other Parameters</i>						
Moisture		%	4.32%	4.33%	8.09%	14.5%

Notes:

(a) Identified as sample "GEO-6077-8" on sample custody documentation.

Values shown are dry-weight concentrations.

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level

presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-3

Summary of Ground Water Screening Analytical Results
Fill Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-42/GW	GEO-54/GW	GEO-57/GW	GEO-58/GW
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	µg/L	7220	1130	ND (0.78)	ND (0.78)
Acenaphthylene	208-96-8	µg/L	144	ND (0.86)	ND (0.78)	ND (0.78)
Acenaphthene	83-32-9	µg/L	170	19	ND (0.78)	2.2 J
Fluorene	86-73-7	µg/L	75.8	7.7	ND (0.17)	1.0
Phenanthrene	85-01-8	µg/L	37.2	3.25	ND (0.068)	0.108 J
Anthracene	120-12-7	µg/L	4.9	ND (0.032)	U*	ND (0.029)
Fluoranthene	206-44-0	µg/L	0.88	J	ND (0.029)	ND (0.029)
Pyrene	129-00-0	µg/L	ND (1.6)	ND (0.18)	ND (0.17)	ND (0.17)
Benz(a)anthracene	56-55-3	µg/L	ND (0.19)	ND (0.021)	ND (0.02)	ND (0.02)
Chrysene	218-01-9	µg/L	ND (0.57)	U*	ND (0.059)	ND (0.059)
Benzo(b)fluoranthene	205-99-2	µg/L	ND (0.36)	ND (0.041)	ND (0.037)	ND (0.037)
Benzo(k)fluoranthene	207-08-9	µg/L	ND (0.095)	ND (0.011)	ND (0.0098)	ND (0.0098)
Benzo(a)pyrene	50-32-8	µg/L	ND (0.19)	ND (0.021)	ND (0.02)	ND (0.02)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.28)	ND (0.032)	ND (0.029)	ND (0.029)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (0.95)	ND (0.11)	ND (0.098)	ND (0.098)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	ND (0.64)	ND (0.072)	ND (0.065)	ND (0.066)

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-4

Summary of Ground Water Analytical Results
Monitoring Wells

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	MW-1R	MW-1R Duplicate ^(a)	MW-2R	MW-4	MW-4 Duplicate ^(b)
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>							
Naphthalene	91-20-3	µg/L	150	149	11600	105	101
Acenaphthylene	208-96-8	µg/L	10.5	10.8	270	ND (0.82)	ND (0.76)
Acenaphthene	83-32-9	µg/L	22	22	300	ND (0.82)	ND (0.76)
Fluorene	86-73-7	µg/L	20.3	19.6	182	0.23 J	0.23 J
Phenanthrene	85-01-8	µg/L	38.2	37.1	278	0.66	0.62
Anthracene	120-12-7	µg/L	19.0	18.4	51.6	ND (0.031)	ND (0.029)
Fluoranthene	206-44-0	µg/L	25.9	26.2	46.5	ND (0.031)	ND (0.029)
Pyrene	129-00-0	µg/L	16.1	16.1	36	ND (0.17)	ND (0.16)
Benz(a)anthracene	56-55-3	µg/L	0.934	0.939	4.7	ND (0.020)	ND (0.019)
Chrysene	218-01-9	µg/L	0.54	0.53	ND (1.1)	ND (0.061)	ND (0.057)
Benzo(b)fluoranthene	205-99-2	µg/L	0.115	0.114	1.3	ND (0.039)	ND (0.036)
Benzo(k)fluoranthene	207-08-9	µg/L	0.069	0.062	0.79 J	ND (0.010)	ND (0.0095)
Benzo(a)pyrene	50-32-8	µg/L	0.103	0.087	1.5	ND (0.020)	ND (0.019)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.029)	ND (0.029)	ND (0.57)	ND (0.031)	ND (0.029)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (0.097)	ND (0.097)	ND (1.9)	ND (0.10)	ND (0.095)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	ND (0.065)	ND (0.065)	ND (1.3)	ND (0.068)	ND (0.064)

Notes:

(a) Identified as sample "MW-3R" on sample custody documentation.

(b) Identified as sample "MW-41" on sample custody documentation.

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-4
(Continued)

Summary of Ground Water Analytical Results
Monitoring Wells

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	MW-01	MW-03	MW-04	MW-05
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	µg/L	ND (0.77)	ND (0.76)	ND (0.76)	ND (0.78)
Acenaphthylene	208-96-8	µg/L	ND (0.77)	ND (0.76)	ND (0.76)	ND (0.78)
Acenaphthene	83-32-9	µg/L	ND (0.77)	ND (0.76)	ND (0.76)	ND (0.78)
Fluorene	86-73-7	µg/L	ND (0.16)	0.88	ND (0.16)	ND (0.17)
Phenanthrene	85-01-8	µg/L	ND (0.067)	1.59	ND (0.066)	ND (0.068)
Anthracene	120-12-7	µg/L	ND (0.029)	U*	ND (0.028)	ND (0.029)
Fluoranthene	206-44-0	µg/L	ND (0.029)	0.38	ND (0.028)	ND (0.029)
Pyrene	129-00-0	µg/L	ND (0.16)	0.17	ND (0.16)	ND (0.17)
Benz(a)anthracene	56-55-3	µg/L	ND (0.019)	0.391	ND (0.019)	ND (0.019)
Chrysene	218-01-9	µg/L	ND (0.057)	ND (0.057) U*	ND (0.057)	ND (0.058)
Benzo(b)fluoranthene	205-99-2	µg/L	ND (0.036)	ND (0.036)	ND (0.036)	ND (0.037)
Benzo(k)fluoranthene	207-08-9	µg/L	ND (0.0096)	ND (0.0096)	ND (0.0095)	ND (0.0097)
Benzo(a)pyrene	50-32-8	µg/L	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.029)	ND (0.029)	ND (0.028)	ND (0.029)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (0.096)	ND (0.096)	ND (0.095)	ND (0.097)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	ND (0.064)	ND (0.064)	ND (0.064)	ND (0.065)

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-4
(Continued)

Summary of Ground Water Analytical Results
Monitoring Wells

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	MW-06	MW-07	MW-08	MW-09
<i>Polyyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	µg/L	9950	ND (0.77)	ND (0.78)	2390
Acenaphthylene	208-96-8	µg/L	350	ND (0.77)	ND (0.78)	200
Acenaphthene	83-32-9	µg/L	220	ND (0.77)	ND (0.78)	280
Fluorene	86-73-7	µg/L	138	ND (0.16)	ND (0.16)	147
Phenanthrene	85-01-8	µg/L	105	ND (0.067)	ND (0.068)	109
Anthracene	120-12-7	µg/L	13.1	ND (0.029)	ND (0.029)	18.0
Fluoranthene	206-44-0	µg/L	3.19	J ND (0.029)	ND (0.029)	10.1
Pyrene	129-00-0	µg/L	ND (3.3)	ND (0.16)	ND (0.16)	5.3 J
Benz(a)anthracene	56-55-3	µg/L	ND (0.39)	ND (0.019)	ND (0.019)	ND (0.40)
Chrysene	218-01-9	µg/L	ND (1.2)	ND (0.058)	ND (0.058) U*	ND (1.2)
Benzo(b)fluoranthene	205-99-2	µg/L	ND (0.74)	ND (0.037)	ND (0.037)	ND (0.75)
Benzo(k)fluoranthene	207-08-9	µg/L	ND (0.19)	ND (0.0096)	ND (0.0097)	ND (0.20)
Benzo(a)pyrene	50-32-8	µg/L	ND (0.39)	ND (0.019)	ND (0.019)	ND (0.40)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.58)	ND (0.029)	ND (0.029)	ND (0.59)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (1.9)	ND (0.096)	ND (0.097)	ND (2.0)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	ND (1.3)	ND (0.064)	ND (0.065)	ND (1.3)

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-4
(Continued)

Summary of Ground Water Analytical Results
Monitoring Wells

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	MW-10	MW-11	MW-12	MW-13
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	µg/L	ND (0.79)	ND (0.77)	3460	ND (0.77)
Acenaphthylene	208-96-8	µg/L	ND (0.79)	ND (0.77)	180	ND (0.77)
Acenaphthene	83-32-9	µg/L	ND (0.79)	ND (0.77)	67	ND (0.77)
Fluorene	86-73-7	µg/L	ND (0.17)	ND (0.16)	36.2	ND (0.16)
Phenanthrene	85-01-8	µg/L	ND (0.069)	ND (0.067)	22.7	ND (0.067)
Anthracene	120-12-7	µg/L	ND (0.029)	ND (0.029)	3.06	ND (0.029)
Fluoranthene	206-44-0	µg/L	ND (0.029)	ND (0.029)	0.45	ND (0.029)
Pyrene	129-00-0	µg/L	ND (0.17)	ND (0.16)	0.23	ND (0.16)
Benz(a)anthracene	56-55-3	µg/L	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.019)
Chrysene	218-01-9	µg/L	ND (0.059)	U*	ND (0.058)	U*
Benzo(b)fluoranthene	205-99-2	µg/L	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.037)
Benzo(k)fluoranthene	207-08-9	µg/L	ND (0.0098)	ND (0.0096)	ND (0.0097)	ND (0.0096)
Benzo(a)pyrene	50-32-8	µg/L	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.019)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (0.098)	ND (0.096)	ND (0.097)	ND (0.096)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	ND (0.066)	ND (0.064)	ND (0.065)	ND (0.065)

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-5

Summary of Ground Water Screening Analytical Results
Offsite Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-34/GW	GEO-35/GW	GEO-36/GW	GEO-37/GW
<i>Polyyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	µg/L	ND (0.77)	ND (0.83)	403	1.23 J
Acenaphthylene	208-96-8	µg/L	ND (0.77)	ND (0.83)	50.4 J	5.64 J
Acenaphthene	83-32-9	µg/L	ND (0.77)	ND (0.83)	190	ND (0.77)
Fluorene	86-73-7	µg/L	ND (0.16)	ND (0.18)	178	0.33 J
Phenanthrene	85-01-8	µg/L	ND (0.067)	ND (0.072)	200	0.35
Anthracene	120-12-7	µg/L	ND (0.029)	ND (0.031)	38.3	ND (0.029)
Fluoranthene	206-44-0	µg/L	ND (0.029)	ND (0.031)	30.8	0.49
Pyrene	129-00-0	µg/L	ND (0.16)	ND (0.18)	23.8	0.57 J
Benz(a)anthracene	56-55-3	µg/L	ND (0.019)	ND (0.021)	0.94	ND (0.019)
Chrysene	218-01-9	µg/L	ND (0.057)	ND (0.062)	ND (0.58)	U*
Benzo(b)fluoranthene	205-99-2	µg/L	ND (0.036)	ND (0.039)	ND (0.37)	ND (0.037)
Benzo(k)fluoranthene	207-08-9	µg/L	ND (0.0096)	ND (0.01)	ND (0.096)	ND (0.0096)
Benzo(a)pyrene	50-32-8	µg/L	ND (0.019)	ND (0.021)	ND (0.19)	ND (0.019)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.029)	ND (0.031)	ND (0.29)	ND (0.029)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (0.096)	ND (0.10)	ND (1.0)	ND (0.096)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	ND (0.064)	ND (0.069)	ND (0.64)	ND (0.064)

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-5
(Continued)

Summary of Ground Water Screening Analytical Results
Offsite Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-38/GW	GEO-38/GW duplicate ^(a)	GEO-39/GW	GEO-40/GW
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	µg/L	ND (0.77)	7.61 J	ND (0.77)	ND (0.77)
Acenaphthylene	208-96-8	µg/L	ND (0.77)	ND (0.77) U*	ND (0.77)	U*
Acenaphthene	83-32-9	µg/L	ND (0.77)	3.9 J	ND (0.77)	ND (0.77)
Fluorene	86-73-7	µg/L	ND (0.16)	3.57 J	ND (0.16)	ND (0.16)
Phenanthrene	85-01-8	µg/L	ND (0.067)	4.83 J	ND (0.067)	0.078 J
Anthracene	120-12-7	µg/L	ND (0.029)	ND (0.029) U*	ND (0.029)	ND (0.029) U*
Fluoranthene	206-44-0	µg/L	ND (0.029)	0.69 J	0.076 J	ND (0.029)
Pyrene	129-00-0	µg/L	ND (0.16)	0.46 J	ND (0.16)	ND (0.16)
Benz(a)anthracene	56-55-3	µg/L	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Chrysene	218-01-9	µg/L	ND (0.057)	ND (0.058) U*	ND (0.058)	ND (0.058)
Benzo(b)fluoranthene	205-99-2	µg/L	ND (0.036)	ND (0.037)	ND (0.037)	ND (0.037)
Benzo(k)fluoranthene	207-08-9	µg/L	ND (0.0096)	ND (0.0096)	ND (0.0096)	0.0097 J
Benzo(a)pyrene	50-32-8	µg/L	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	ND (0.064)	ND (0.064)	ND (0.064)	ND (0.064)

Notes:

(a) Identified as sample "GEO-59/GW" on sample custody documentation.

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-5
(Continued)

Summary of Ground Water Screening Analytical Results
Offsite Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-41/GW	GEO-49/GW	GEO-50/GW	GEO-51/GW
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	µg/L	ND (0.80)	ND (0.84)	3.14 J	ND (0.77)
Acenaphthylene	208-96-8	µg/L	ND (0.80)	ND (0.84)	ND (0.77)	ND (0.77)
Acenaphthene	83-32-9	µg/L	ND (0.80)	ND (0.84)	ND (0.77)	ND (0.77)
Fluorene	86-73-7	µg/L	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.16)
Phenanthrene	85-01-8	µg/L	ND (0.070)	0.37	ND (0.067)	ND (0.068)
Anthracene	120-12-7	µg/L	ND (0.03) U*	ND (0.032)	ND (0.029)	ND (0.029)
Fluoranthene	206-44-0	µg/L	0.048 J	0.22	ND (0.029)	ND (0.029)
Pyrene	129-00-0	µg/L	ND (0.17)	0.38 J	ND (0.16)	ND (0.16)
Benz(a)anthracene	56-55-3	µg/L	0.032 J	0.076 J	ND (0.019)	ND (0.019)
Chrysene	218-01-9	µg/L	ND (0.060)	ND (0.063)	ND (0.058)	ND (0.058)
Benzo(b)fluoranthene	205-99-2	µg/L	0.111	0.050 J	ND (0.037)	ND (0.037)
Benzo(k)fluoranthene	207-08-9	µg/L	0.05 J	0.030 J	ND (0.0096)	ND (0.0096)
Benzo(a)pyrene	50-32-8	µg/L	0.089	0.056 J	ND (0.019)	ND (0.019)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.030)	ND (0.032)	ND (0.029)	ND (0.029)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (0.10)	ND (0.11)	ND (0.096)	ND (0.096)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	0.080 J	ND (0.071)	ND (0.064)	ND (0.065)

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level

presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-5
(Continued)

Summary of Ground Water Screening Analytical Results
Offsite Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-52/GW	GEO-53/GW	GEO-56/GW	GEO-56/GW Duplicate ^(a)
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	µg/L	55.2	10.8	ND (0.85)	ND (0.79)
Acenaphthylene	208-96-8	µg/L	ND (0.78)	ND (0.80)	ND (0.85)	ND (0.79)
Acenaphthene	83-32-9	µg/L	1.0	ND (0.80)	ND (0.85)	ND (0.79)
Fluorene	86-73-7	µg/L	0.44	ND (0.17)	ND (0.18)	ND (0.17)
Phenanthrene	85-01-8	µg/L	0.198	ND (0.070)	ND (0.075)	ND (0.069)
Anthracene	120-12-7	µg/L	ND (0.029)	U*	ND (0.032)	ND (0.030)
Fluoranthene	206-44-0	µg/L	ND (0.029)	0.044	ND (0.032)	ND (0.030)
Pyrene	129-00-0	µg/L	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)
Benz(a)anthracene	56-55-3	µg/L	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)
Chrysene	218-01-9	µg/L	ND (0.059)	ND (0.060)	ND (0.064)	ND (0.059)
Benzo(b)fluoranthene	205-99-2	µg/L	ND (0.037)	ND (0.038)	ND -0.04	ND (0.038)
Benzo(k)fluoranthene	207-08-9	µg/L	ND (0.0098)	ND (0.010)	ND (0.011)	ND (0.0099)
Benzo(a)pyrene	50-32-8	µg/L	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)
Dibenz(a,h)anthracene	53-70-3	µg/L	ND (0.029)	ND (0.030)	ND (0.032)	ND (0.030)
Benzo(g,h,i)perylene	191-24-2	µg/L	ND (0.098)	ND (0.10)	ND (0.11)	ND (0.099)
Indeno(1,2,3-cd)pyrene	193-39-5	µg/L	ND (0.066)	ND (0.067)	ND (0.071)	ND (0.066)

Notes:

(a) Identified as sample "GEO-33/GW" on sample custody documentation.

ND denotes "not detected" at reporting limit shown in parentheses.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinse blanks.

Table 4-6

Summary of Sediment Analytical Results
Onsite Ditches

Gulf States Crossing Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	SD-18	SD-19	SD-20	SD-21	SD-22	SD-23
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>								
Naphthalene	91-20-3	mg/kg	ND (4.9)	ND (3.9)	ND (4.5)	ND (0.57)	ND (3.2)	8.20 J
Acenaphthylene	208-96-8	mg/kg	ND (4.9)	ND (3.9)	ND (4.5)	ND (0.57)	ND (3.2)	ND (3.3)
Acenaphthene	83-32-9	mg/kg	ND (4.9)	ND (3.9)	ND (4.5)	ND (0.57)	ND (3.2)	6.50 J
Fluorene	86-73-7	mg/kg	ND (0.45)	ND (0.36)	ND (0.41)	ND (0.053)	ND (0.3)	7.40
Phenanthrene	85-01-8	mg/kg	ND (0.18) U*	ND (0.14) U*	ND (0.17) U*	ND (0.021) U*	ND (0.12) U*	23.8
Anthracene	120-12-7	mg/kg	4.08	ND (0.071)	ND (0.083) U*	ND (0.011) U*	ND (0.06)	1.80
Fluoranthene	206-44-0	mg/kg	7.09	4.73	2.19	0.260	2.13	26.2
Pyrene	129-00-0	mg/kg	9.10	6.40	3.54 J	0.459 J	2.14 J	31.2
Benz(a)anthracene	56-55-3	mg/kg	2.56	1.56	1.23	0.229	0.64	9.00
Chrysene	218-01-9	mg/kg	2.60	1.53 J	1.39 J	0.25	0.82 J	7.10
Benzo(b)fluoranthene	205-99-2	mg/kg	4.78	4.65	2.36	0.425	1.04	6.31
Benzo(k)fluoranthene	207-08-9	mg/kg	2.27	2.05	1.18	0.213	0.50	3.44
Benzo(e)pyrene	50-32-8	mg/kg	3.10	2.43	1.71	0.280	0.80	5.57
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.587 J	0.528 J	0.345 J	0.057 J	ND (0.06)	0.84
Benzo(g,h,i)perylene	191-24-2	mg/kg	1.64 J	1.94 J	1.02 J	0.173 J	0.48 J	2.20
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	2.30	2.40	1.54 J	0.223 J	0.70 J	3.40
<i>Other Parameters</i>								
Moisture		%	44.7%	29.9%	39.5%	5.88%	16.0%	19.3%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level presence of the analyte in associated laboratory method blanks and/or rinsate blanks.

Table 4-7

Summary of Sediment Analytical Results
Northeast Drainage Ditch

Gulf States Creosoting Site
Hartlesburg, Mississippi

Analytical Parameter	CAS Number	Units	SD-12	SD-12 Duplicate ^(a)	SD-13	SD-14	SD-15	SD-16	SD-17
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>									
Naphthalene	91-20-3	mg/kg	ND (180)	ND (190)	ND (1.80)	ND (2.90)	ND (3.50)	ND (3.30)	ND (3.50)
Acenaphthylene	208-96-8	mg/kg	ND (180)	ND (190)	ND (1.80)	ND (2.90)	ND (3.50)	ND (3.30)	ND (3.50)
Acenaphthene	83-32-9	mg/kg	320 J	370 J	ND (1.80)	3.90 J	ND (3.50)	ND (3.30)	ND (3.50)
Fluorene	86-73-7	mg/kg	580	710	0.78 J	0.65 J	ND (0.32)	2.80 J	ND (0.33)
Phenanthrene	85-01-8	mg/kg	1820	2110	2.27	ND (0.11) U*	ND (0.13) U*	4.50	ND (0.13) U*
Anthracene	120-12-7	mg/kg	1110	1490	3.47	9.91	1.48	23.9	ND (0.065) U*
Fluoranthene	206-44-0	mg/kg	922	1030	6.52	22.9	1.22	12.0	0.92
Pyrene	129-00-0	mg/kg	900	970	8.4	30.8	2.77 J	12.9	2.28 J
Benz(a)anthracene	56-55-3	mg/kg	168	184	2.91	11.8	1.02	3.61	0.94
Chrysene	218-01-9	mg/kg	129	134	2.97	19.6	ND (0.13) U*	3.0	ND (0.13) U*
Benzo(b)fluoranthene	205-99-2	mg/kg	60.0	67.0	4.17	14.2	2.88	3.03	2.50
Benzo(k)fluoranthene	207-08-9	mg/kg	35.0	39.0	2.08	7.85	1.39	1.60	1.26
Benzo(a)pyrene	50-32-8	mg/kg	69.0	73.0	3.27	12.2	2.42	2.80	2.26
Dibenz(a,h)anthracene	53-70-3	mg/kg	6.50 J	11.6 J	0.48	1.61	0.374 J	0.384 J	0.365 J
Benzo(g,h,i)perylene	191-24-2	mg/kg	14.0 J	15.0 J	2.00	4.40	1.38 J	1.05 J	1.21 J
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	28.1 J	30.3 J	2.53	7.30	2.00	1.60	1.60
<i>Other Parameters</i>									
Moisture		%	26.5%	29.9%	24.7%	8.39%	21.8%	18.5%	23.1%

Notes:

(a) Identified as sample "SD-99" on sample custody documentation.

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

B data validation qualifier denotes constituent was detected in corresponding laboratory blank.

U* data validation qualifier denotes originally reported positive result that should be considered "not detected" due to trace-level

presence of the analyte in associated laboratory method blanks and/or rinseate blanks.

Table 3-1

Summary of Soil Analytical Results

Gulf States Crosscutting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-61/0-1'	GEO-61/2-3'	GEO-61/5-6'	GEO-62/0-1'	GEO-62/2-3'	GEO-62/5-6'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>								
Naphthalene	91-20-3	mg/kg	ND (0.31)	ND (0.032)	ND (0.31)	ND (0.16)	ND (0.033)	ND (0.032)
Acenaphthylene	208-96-8	mg/kg	ND (0.31)	ND (0.032)	ND (0.31)	ND (0.16)	ND (0.033)	ND (0.032)
Acenaphthene	83-32-9	mg/kg	ND (0.31)	ND (0.032)	ND (0.31)	ND (0.16)	ND (0.033)	ND (0.032)
Fluorene	86-73-7	mg/kg	ND (0.029)	ND (0.0029)	ND (0.029)	ND (0.015)	ND (0.003)	ND (0.003)
Phenanthrene	85-01-8	mg/kg	0.019 J	0.0028 J	0.0012 J	0.014 J	ND (0.0012)	ND (0.0012)
Anthracene	120-12-7	mg/kg	0.0075 J	0.0014 J	0.00061 J	ND (0.003)	ND (0.00061)	ND (0.00059)
Fluoranthene	206-44-0	mg/kg	0.05 J	0.0011 J	ND (0.00058)	0.021 J	ND (0.00061)	ND (0.00059)
Pyrene	129-00-0	mg/kg	0.075 J	0.0031 J	0.0043 J	0.04 J	ND (0.003)	ND (0.003)
Benzo(a)anthracene	56-55-3	mg/kg	0.021 J	ND (0.00029)	ND (0.00029)	0.01 J	ND (0.0003)	ND (0.0003)
Chrysene	218-01-9	mg/kg	0.024 J	ND (0.0012)	ND (0.0012)	0.025 J	ND (0.0012)	ND (0.0012)
Benzo(b)fluoranthene	205-99-2	mg/kg	0.045	ND (0.00024)	ND (0.00023)	0.016	ND (0.00024)	ND (0.00024)
Benzo(k)fluoranthene	207-08-9	mg/kg	0.021 J	0.00026 J	0.0004 J	0.008 J	ND (0.00024)	ND (0.00024)
Benzo(a)pyrene	50-32-8	mg/kg	0.029 J	ND (0.00029)	ND (0.00029)	0.012 J	ND (0.0003)	ND (0.0003)
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.0086 J	ND (0.00059)	ND (0.00058)	ND (0.003)	ND (0.00061)	ND (0.00059)
Benzo(g,h,i)perylene	191-24-2	mg/kg	0.034 J	ND (0.0018)	ND (0.0017)	0.0098 J	ND (0.0018)	ND (0.0018)
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.032 J	ND (0.0012)	ND (0.0012)	0.0077 J	ND (0.0012)	ND (0.0012)
<i>Other Parameters</i>								
Moisture		%	13.5%	15.2%	13.7%	17.9%	17.7%	15.6%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

Table 3-1
(Continued)

Summary of Soil Analytical Results

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-62/6-7'	GEO-63/2-3'	GEO-63/5-6'	GEO-64/0-1'	GEO-64/2-3'	GEO-64/5-6'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>								
Naphthalene	91-20-3	mg/kg	ND (0.032)	ND (0.033)	ND (0.033)	0.18 J	0.76 J	ND (0.160)
Acenaphthylene	208-96-8	mg/kg	ND (0.032)	ND (0.033)	ND (0.033)	ND (0.150)	ND (0.310)	ND (0.160)
Acenaphthene	83-32-9	mg/kg	ND (0.032)	ND (0.033)	ND (0.033)	ND (0.150)	ND (0.310)	ND (0.160)
Fluorene	86-73-7	mg/kg	ND (0.003)	ND (0.003)	ND (0.0031)	0.077 J	0.15 J	0.019 J
Phenanthrene	85-01-8	mg/kg	ND (0.0012)	ND (0.0012)	0.0016 J	0.23	1.1	0.078
Anthracene	120-12-7	mg/kg	ND (0.0006)	ND (0.0006)	ND (0.00062)	0.027 J	0.27	0.017 J
Fluoranthene	206-44-0	mg/kg	ND (0.0006)	ND (0.0006)	ND (0.00062)	0.1	1.5	0.055
Pyrene	129-00-0	mg/kg	ND (0.003)	0.0042 J	0.0038 J	0.085 J	1.5	0.057 J
Benzo(a)anthracene	56-55-3	mg/kg	ND (0.0003)	ND (0.0003)	ND (0.00031)	0.03	0.67	0.014 J
Chrysene	218-01-9	mg/kg	ND (0.0012)	ND (0.0012)	ND (0.0012)	0.053 J	0.6	0.022 J
Benzo(b)fluoranthene	205-99-2	mg/kg	ND (0.00024)	ND (0.00024)	ND (0.00025)	0.019	0.59	0.013
Benzo(k)fluoranthene	207-08-9	mg/kg	ND (0.00024)	0.00046 J	ND (0.00025)	0.012	0.31	0.0063 J
Benzo(a)pyrene	50-32-8	mg/kg	ND (0.0003)	ND (0.0003)	ND (0.00031)	0.027	0.7	0.011 J
Dibenz(a,h)anthracene	53-70-3	mg/kg	ND (0.0006)	ND (0.0006)	ND (0.00062)	0.011 J	0.11	0.0031 J
Benzo(g,h,i)perylene	191-24-2	mg/kg	ND (0.0018)	ND (0.0018)	ND (0.0018)	0.02 J	0.42	0.018 J
Indene(1,2,3-cd)pyrene	193-39-5	mg/kg	ND (0.0012)	ND (0.0012)	ND (0.0012)	0.016 J	0.49	0.013 J
<i>Other Parameters</i>								
Moisture		%	16.8%	17.2%	18.7%	12.0%	13.6%	17.1%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

Table 3-1
(Continued)

Summary of Soil Analytical Results

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-65/0-1'	GEO-65/2-3'	GEO-65/5-6'	GEO-67/2.5-3.5'	GEO-67/8-9'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>							
Naphthalene	91-20-3	mg/kg	0.19 J	0.49	ND (0.033)	160	0.37
Acenaphthylene	208-96-8	mg/kg	ND (0.170)	0.047	ND (0.033)	53	0.067 J
Acenaphthene	83-32-9	mg/kg	ND (0.170)	0.36	ND (0.033)	32	ND (0.033)
Fluorene	86-73-7	mg/kg	0.08 J	0.41	ND (0.003)	31	0.041
Phenanthrene	85-01-8	mg/kg	0.27	1.7	0.0094 J	310	0.27
Anthracene	120-12-7	mg/kg	0.034	0.26	0.0011 J	23	0.014
Fluoranthene	206-44-0	mg/kg	0.15	0.93	0.0051 J	150	0.12
Pyrene	129-00-0	mg/kg	0.14 J	0.69	0.0093 J	110	0.11
Benzo(a)anthracene	56-55-3	mg/kg	0.033	0.16	0.0016 J	29	0.029
Chrysene	218-01-9	mg/kg	0.029 J	0.12	0.0042 J	21	0.033
Benzo(b)fluoranthene	205-99-2	mg/kg	0.014	0.069	0.00086 J	14	0.051
Benzo(k)fluoranthene	207-08-9	mg/kg	0.0089 J	0.04	0.00084 J	7.8	0.025
Benzo(a)pyrene	50-32-8	mg/kg	0.017 J	0.079	0.0012 J	12	0.044
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.0041 J	0.011	ND (0.00061)	1.4	0.0049 J
Benzo(g,h,i)perylene	191-24-2	mg/kg	ND (0.0094)	0.021	ND (0.0018)	5.3	0.025
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.012 J	0.031	0.0019 J	6.7	0.029
<i>Other Parameters</i>							
Moisture		%	20.1%	22.4%	17.7%	15.7%	18.4%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

Table 3-1
(Continued)

Summary of Soil Analytical Results

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-68/4.5-5.5'	GEO-68/8-9'	GEO-69/4.5-5.5'	GEO-69/7-8'	GEO-69/7-8' Duplicate	GEO-70/4-8'
Polycyclic Aromatic Hydrocarbons (PAHs)								
Naphthalene	91-20-3	mg/kg	0.63	J	1700	45	J	1200
Acenaphthylene	208-96-8	mg/kg	0.29	J	ND (130)	ND (6.5)	ND (16)	ND (140)
Acenaphthene	83-32-9	mg/kg	0.046	J	700	J	21	J
Fluorene	86-73-7	mg/kg	0.12	ND (0.033)	720	17	19	530
Phenanthrene	85-01-8	mg/kg	0.64	0.17	1900	55	58	1300
Anthracene	120-12-7	mg/kg	0.033	0.0093	640	11	12	270
Fluoranthene	206-44-0	mg/kg	0.43	0.034	1000	25	28	570
Pyrene	129-00-0	mg/kg	0.21	0.029	950	22	27	490
Benzo(a)anthracene	56-55-3	mg/kg	0.051	0.0054	220	5.2	5.9	110
Chrysene	218-01-9	mg/kg	0.053	0.0065	180	4.6	3.8	84
Benzo(b)fluoranthene	205-99-2	mg/kg	0.023	0.0086	95	1.8	2.1	35
Benzo(k)fluoranthene	207-08-9	mg/kg	0.013	0.0041	56	1.1	1.3	21
Benzo(a)pyrene	50-32-8	mg/kg	0.016	0.0067	100	2	2.3	38
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.0015	J	14	J	0.19	ND (0.30)
Benzo(g,h,i)perylene	191-24-2	mg/kg	0.0051	J	24	J	ND (0.36)	ND (0.89)
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.0074	J	43	J	0.35	ND (0.60)
Other Parameters								
Moisture		%	24.4%	18.9%	18.1%	16.9%	16.0%	22.5%

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

Table 3-2

Summary of Ground Water Analytical Results

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-66/GW		GEO-68A/GW
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>					
Naphthalene	91-20-3	ug/l	1.16	J	ND (0.76)
Acenaphthylene	208-96-8	ug/l	ND (0.76)		ND (0.76)
Acenaphthene	83-32-9	ug/l	3.1	J	ND (0.76)
Fluorene	86-73-7	ug/l	1.3		ND (0.16)
Phenanthrene	85-01-8	ug/l	1.52		ND (0.066)
Anthracene	120-12-7	ug/l	0.32		ND (0.028)
Fluoranthene	206-44-0	ug/l	1.25		ND (0.028)
Pyrene	129-00-0	ug/l	1.03		ND (0.16)
Benzo(a)anthracene	56-55-3	ug/l	0.091		ND (0.019)
Chrysene	218-01-9	ug/l	0.091	J	ND (0.057)
Benzo(b)fluoranthene	205-99-2	ug/l	0.088		ND (0.036)
Benzo(k)fluoranthene	207-08-9	ug/l	0.0474	J	ND (0.0095)
Benzo(a)pyrene	50-32-8	ug/l	0.103		ND (0.019)
Dibenz(a,h)anthracene	53-70-3	ug/l	ND (0.029)		ND (0.028)
Benzo(g,h,i)perylene	191-24-2	ug/l	ND (0.095)		ND (0.095)
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	0.068	J	ND (0.064)

Notes:

ND denotes "not detected" at reporting limit shown in parentheses.

Values shown are dry-weight concentrations.

J data validation qualifier denotes estimated value.

Table 1

Summary of July 2001 Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	Tier 1 TRG (unrestricted use)	GEO-61A/8-10'	GEO-61A/12-14'	GEO-61A/16-18'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	mg/kg	194	ND (0.300)	ND (0.300)	ND (0.300)
Acenaphthylene	208-96-8	mg/kg	4,690	ND (0.300)	ND (0.300)	ND (0.300)
Acenaphthene	83-32-9	mg/kg	4,690	ND (0.300)	ND (0.300)	ND (0.300)
Fluorene	86-73-7	mg/kg	3,130	ND (0.030)	ND (0.030)	ND (0.030)
Phenanthrene	85-01-8	mg/kg	2,350	ND (0.012)	ND (0.013)	ND (0.014)
Anthracene	120-12-7	mg/kg	23,500	ND (0.0057)	ND (0.006)	ND (0.0062)
Fluoranthene	206-44-0	mg/kg	3,130	ND (0.0057)	ND (0.006)	ND (0.0062)
Pyrene	129-00-0	mg/kg	2,350	ND (0.030)	ND (0.030)	ND (0.030)
Benz(a)anthracene	56-55-3	mg/kg	0.875	ND (0.003)	ND (0.004)	ND (0.004)
Chrysene	218-01-9	mg/kg	87.5	ND (0.012)	ND (0.013)	ND (0.014)
Benzo(b)fluoranthene	205-99-2	mg/kg	0.875	ND (0.0023)	ND (0.0024)	ND (0.0025)
Benzo(k)fluoranthene	207-08-9	mg/kg	8.75	ND (0.0023)	ND (0.0024)	ND (0.0025)
Benzo(a)pyrene	50-32-8	mg/kg	0.0875	ND (0.003)	ND (0.004)	ND (0.004)
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.0875	ND (0.006)	ND (0.006)	ND (0.006)
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.875	ND (0.012)	ND (0.013)	ND (0.014)
Benzo(g,h,i)perylene	191-24-2	mg/kg	2,350	ND (0.018)	ND (0.019)	ND (0.020)
<i>Other Parameters</i>						
Moisture		%		11.8%	16.9%	19.2%

Notes:

ND denotes constituent not detected at laboratory limit of quantitation shown in parentheses.
Values shown are dry-weight concentrations.

Table 1

Summary of July 2001 Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	Tier 1 TRG (unrestricted use)	GEO-63A/8-10'	GEO-63A/12-14'	GEO-63A/16-18'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	mg/kg	194	ND (0.300)	ND (0.300)	ND (0.300)
Acenaphthylene	208-96-8	mg/kg	4,690	ND (0.300)	ND (0.300)	ND (0.300)
Acenaphthene	83-32-9	mg/kg	4,690	ND (0.300)	ND (0.300)	ND (0.300)
Fluorene	86-73-7	mg/kg	3,130	ND (0.030)	ND (0.030)	ND (0.030)
Phenanthrene	85-01-8	mg/kg	2,350	ND (0.013)	ND (0.013)	ND (0.013)
Anthracene	120-12-7	mg/kg	23,500	0.010	ND (0.0059)	ND (0.006)
Fluoranthene	206-44-0	mg/kg	3,130	ND (0.006)	ND (0.0059)	ND (0.006)
Pyrene	129-00-0	mg/kg	2,350	ND (0.030)	ND (0.030)	ND (0.030)
Benz(a)anthracene	56-55-3	mg/kg	0.875	ND (0.004)	ND (0.004)	ND (0.004)
Chrysene	218-01-9	mg/kg	87.5	ND (0.013)	ND (0.013)	ND (0.013)
Benzo(b)fluoranthene	205-99-2	mg/kg	0.875	ND (0.0024)	ND (0.0024)	ND (0.0024)
Benzo(k)fluoranthene	207-08-9	mg/kg	8.75	ND (0.0024)	ND (0.0024)	ND (0.0024)
Benzo(a)pyrene	50-32-8	mg/kg	0.0875	ND (0.004)	ND (0.004)	ND (0.004)
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.0875	ND (0.006)	ND (0.006)	ND (0.006)
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.875	ND (0.013)	ND (0.013)	ND (0.013)
Benzo(g,h,i)perylene	191-24-2	mg/kg	2,350	ND (0.019)	ND (0.019)	ND (0.019)
<i>Other Parameters</i>						
Moisture		%		17.2%	15.1%	16.4%

Notes:

ND denotes constituent not detected at laboratory limit of quantitation shown in parentheses.

Values shown are dry-weight concentrations.

Summary of July 2001 Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Table 1

Analytical Parameter	CAS Number	Units	Tier 1 TRG (unrestricted use)	GEO-86/8-10'	GEO-86/12-14'	GEO-86/16-18'
<i>Polycyclic Aromatic Hydrocarbons (PAHs)</i>						
Naphthalene	91-20-3	mg/kg	194	ND (0.300)	ND (0.300)	ND (0.300)
Acenaphthylene	208-96-8	mg/kg	4,690	ND (0.300)	ND (0.300)	ND (0.300)
Acenaphthene	83-32-9	mg/kg	4,690	ND (0.300)	ND (0.300)	ND (0.300)
Fluorene	86-73-7	mg/kg	3,130	ND (0.030)	ND (0.030)	ND (0.030)
Phenanthrene	85-01-8	mg/kg	2,350	ND (0.013)	ND (0.013)	ND (0.013)
Anthracene	120-12-7	mg/kg	23,500	ND (0.00059)	ND (0.00058)	ND (0.00059)
Fluoranthene	206-44-0	mg/kg	3,130	ND (0.00059)	ND (0.00058)	ND (0.00059)
Pyrene	129-00-0	mg/kg	2,350	ND (0.030)	ND (0.030)	ND (0.030)
Benz(a)anthracene	56-55-3	mg/kg	0.875	ND (0.004)	ND (0.004)	ND (0.004)
Chrysene	218-01-9	mg/kg	87.5	ND (0.013)	ND (0.013)	ND (0.013)
Benzo(b)fluoranthene	205-99-2	mg/kg	0.875	ND (0.0024)	ND (0.0023)	ND (0.0023)
Benzo(k)fluoranthene	207-08-9	mg/kg	8.75	ND (0.0024)	ND (0.0023)	ND (0.0023)
Benzo(a)pyrene	50-32-8	mg/kg	0.0875	ND (0.004)	ND (0.004)	ND (0.004)
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.0875	ND (0.006)	ND (0.006)	ND (0.006)
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.875	ND (0.013)	ND (0.013)	ND (0.013)
Benzo(g,h,i)perylene	191-24-2	mg/kg	2,350	ND (0.019)	ND (0.019)	ND (0.019)
<i>Other Parameters</i>						
Moisture		%		14.9%	14.5%	14.8%

Notes:

ND denotes constituent not detected at laboratory limit of quantitation shown in parentheses.

Values shown are dry-weight concentrations.