Appendix A

Remedial Investigation Data Summary Tables

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Table 1
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	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		2679073			2679074			2679075			2679076			2679077		
	Date Collected		3/15/97			3/15/97			3/15/97			3/15/97			3/15/97		
Parameter	CAS Number	Standard MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes
TCL Volatiles															
1,1-Dichloroethene	75-35-4	0.002	ND			ND			ND		ND		0.01	ND	
Trichloroethene	79-01-6	0.001	ND			ND			ND		ND		0.005	ND	
Benzene	71-43-2	0.001	ND			ND			ND		ND		0.005	0.021	J
Toluene	108-88-3	0.001	ND			ND			0.013		ND		0.005	0.34	
Chlorobenzene	108-90-7	0.001	ND			ND			ND		ND		0.005	ND	
Xylene (total)	1330-20-7	0.001	ND			ND			0.28		ND		0.005	1.3	
Chloromethane	74-87-3	0.002	ND			ND			ND		ND		0.01	ND	
Bromomethane	74-83-9	0.003	ND			ND			ND		ND		0.015	ND	
Vinyl Chloride	75-01-4	0.002	ND			ND			ND		ND		0.01	ND	
Chloroethane	75-00-3	0.003	ND			ND			ND		ND		0.015	ND	
Methylene Chloride	75-09-2	0.002	ND			ND			ND		ND		0.01	ND	
1,1-Dichloroethane	75-34-3	0.001	ND			ND			ND		ND		0.005	ND	
Chloroform	67-66-3	0.001	ND			ND			ND		ND		0.005	ND	
1,2-Dichloroethane	107-06-2	0.002	ND			ND			ND		ND		0.01	ND	
1,1,1-Trichloroethane	71-55-6	0.001	ND			ND			ND		ND		0.005	ND	
Carbon Tetrachloride	56-23-5	0.001	ND			ND			ND		ND		0.005	ND	
Bromodichloromethane	75-27-4	0.002	ND			ND			ND		ND		0.01	ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.001	ND			ND			ND		ND		0.005	ND	
1,2-Dichloropropane	78-87-5	0.003	ND			ND			ND		ND		0.015	ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	ND			ND			ND		ND		0.005	ND	
Dibromochloromethane	124-48-1	0.001	ND			ND			ND		ND		0.005	ND	
1,1,2-Trichloroethane	79-00-5	0.002	ND			ND			ND		ND		0.01	ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	ND			ND			ND		ND		0.005	ND	
Bromoform	75-25-2	0.001	ND			ND			ND		ND		0.005	ND	
Tetrachloroethene	127-18-4	0.001	ND			ND			ND		ND		0.005	ND	
Ethylbenzene	100-41-4	0.001	ND			ND			0.046		ND		0.005	0.25	
Acetone	67-64-1	0.007	0.059	J	0.035	0.730	J		0.009	J	ND	J	0.035	0.099	J
Carbon Disulfide	75-15-0	0.003	ND			ND			ND		ND		0.015	ND	
2-Butanone	78-93-3	0.007	ND			ND			ND		ND		0.035	ND	
Vinyl Acetate	108-05-4	0.003	ND			ND			ND		ND		0.015	ND	
2-Hexanone	591-78-6	0.003	ND			ND			ND		ND		0.015	ND	
4-Methyl-2-pentanone	108-10-1	0.003	ND			ND			ND		ND		0.015	ND	
Styrene	100-42-5	0.001	ND			ND			ND		ND		0.005	0.24	
trans-1,2-Dichloroethene	156-60-5	0.002	ND			ND			ND		ND		0.01	ND	
cis-1,2-Dichloroethene	156-59-2	0.002	ND			ND			ND		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 intervel.
(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.

Table

Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	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		2679073		2679074			2679075			2679076		2679077		
	Date Collected		3/15/97		3/15/97			3/15/97			3/15/97		3/15/97		
Parameter	CAS Number	Standard MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes
TCL Semivolatiles															
phenol	108-95-2	0.033	ND			ND		0.17	ND		ND		1.7	53	
2-chlorophenol	95-57-8	0.033	ND			ND		0.17	ND		ND		0.17	ND	
1,4-dichlorobenzene	106-46-7	0.033	ND			ND		0.17	ND		ND		0.17	ND	
N-nitrosodi-n-propylamine	621-64-7	0.067	ND			ND		0.33	ND		ND		0.33	ND	
1,2,4-trichlorobenzene	120-82-1	0.033	ND			ND		0.17	ND		ND		0.17	ND	
4-chloro-3-methylphenol	59-50-7	0.067	ND			ND		0.33	ND		ND		0.33	ND	
acenaphthene	83-32-9	0.033	ND			ND		0.17	26		ND		1.7	73	
4-nitrophenol	100-02-7	0.17	ND			ND		0.83	ND		ND		0.83	ND	
2,4-dinitrotoluene	121-14-2	0.067	ND			ND		0.33	ND		ND		0.33	ND	
pentachlorophenol	87-86-5	0.17	ND			ND		0.83	ND		ND		0.83	ND	
pyrene	129-00-0	0.067	ND			ND		0.33	24		ND		3.3	62	
2-nitrophenol	88-75-5	0.067	ND			ND		0.33	ND		ND		0.33	ND	
2,4-dimethylphenol	105-67-9	0.067	ND			ND		0.33	ND		ND		0.33	20	
2,4-dichlorophenol	120-83-2	0.033	ND			ND		0.17	ND		ND		0.17	ND	
2,4,6-trichlorophenol	88-06-2	0.067	ND			ND		0.33	ND		ND		0.33	ND	
2,4-dinitrophenol	51-28-5	0.17	ND			ND		0.83	ND		ND		0.83	ND	
bis (2-chloroethyl) ether	111-44-4	0.067	ND			ND		0.33	ND		ND		0.33	ND	
1,3-dichlorobenzene	541-73-1	0.033	ND			ND		0.17	ND		ND		0.17	ND	
1,2-dichlorobenzene	95-50-1	0.033	ND			ND		0.17	ND		ND		0.17	ND	
hexachloroethane	67-72-1	0.067	ND			ND		0.33	ND		ND		0.33	ND	
nitrobenzene	98-95-3	0.033	ND			ND		0.17	ND		ND		0.17	ND	
isophorone	78-59-1	0.067	ND			ND		0.33	ND		ND		0.33	ND	
bis (2-chloroethoxy) methane	111-91-1	0.033	ND			ND		0.17	ND		ND		0.17	ND	
naphthalene	91-20-3	0.033	ND			ND		1.7	180		ND		3.3	340	
hexachlorobutadiene	87-68-3	0.067	ND			ND		0.33	ND		ND		0.33	ND	
hexachlorocyclopentadiene	77-47-4	0.17	ND			ND		0.83	ND		ND		0.83	ND	
2-chloronaphthalene	91-58-7	0.033	ND			ND		0.17	ND		ND		0.17	ND	
acenaphthylene	208-96-8	0.033	ND			ND		0.17	0.84	J	ND		0.17	3.7	
dimethyl phthalate	*131-11-3*	*0.033*	ND			ND		0.17	ND		ND		0.17	ND	
fluorene	86-73-7	0.033	ND			ND		1.7	47		ND		1.7	*90*	
4-chlorophenyl phenyl ether	7005-72-3	0.067	ND			ND		0.33	ND		ND		0.33	ND	
diethyl phthalate	84-66-2	0.067	ND			ND		0.33	ND		ND		0.33	ND	
N-nitrosodiphenylamine	86-30-6	0.067	ND			ND		0.33	ND		ND		0.33	ND	
4-bromophenyl phenyl ether	101-55-3	0.1	ND			ND		0.5	ND		ND		0.5	ND	
hexachlorobenzene	118-74-1	0.1	ND			ND		0.5	ND		ND		0.5	ND	

Notes

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

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Table 4-1
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	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	2679073			2679074			2679075			2679076		2679077		
	Date Collected	3/15/97			3/15/97			3/15/97			3/15/97		3/15/97		
Parameter	CAS Number	Standard MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes
phenanthrene	85-01-8	0.033	ND			ND		1.7	110		ND		1.7	190	
anthracene	120-12-7	0.033	ND			ND		0.17	18		ND		0.17	26	
di-n-butyl phthalate	84-74-2	0.033	ND			ND		0.17	ND		ND		0.17	ND	
fluoranthene	206-44-0	0.033	ND			ND		1.7	56		ND		1.7	98	
butyl benzyl phthalate	85-68-7	0.067	ND			ND		0.33	ND		ND		0.33	ND	
benzo (a) anthracene	56-55-3	0.033	ND			ND		0.17	9.5		ND		0.17	15	
chrysene	218-01-9	0.033	ND			ND		0.17	8.5		ND		0.17	14	
3,3'-dichlorobenzidine	91-94-1	0.13	ND			ND		0.67	ND		ND		0.67	ND	
bis (2-ethylhexyl) phthalate	117-81-7	0.067	ND			ND		0.33	ND		ND		0.33	ND	
di-n-octyl phthalate	117-84-0	0.067	ND			ND		0.33	ND		ND		0.33	ND	
benzo (b) fluoranthene	205-99-2	0.067	ND			ND		0.33	5.1		ND		0.33	8.9	
benzo (k) fluoranthene	207-08-9	0.13	ND			ND		0.67	1.9		ND		0.67	3.6	
benzo (a) pyrene	50-32-8	0.067	ND			ND		0.33	3.5		ND		0.33	6.6	
indeno (1,2,3-cd) pyrene	193-39-5	0.067	ND			ND		0.33	1.2	J	ND		0.33	2.7	
dibenz (a,h) anthracene	53-70-3	0.067	ND			ND		0.33	ND		ND		0.33	0.79	J
benzo (ghi) perylene	191-24-2	0.067	ND			ND		0.33	0.99	J	ND		0.33	2.1	
2-methylphenol	95-48-7	0.067	ND			ND		0.33	ND		ND		0.33	20	
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	ND			ND		0.5	ND		ND		0.5	ND	
4-methylphenol	106-44-5	0.1	ND			ND		0.5	ND		ND		5	76	
4-chloroaniline	106-47-8	0.1	ND			ND		0.5	ND		ND		0.5	ND	
2-methylnaphthalene	91-57-6	0.033	ND			ND		1.7	79		ND		3.3	110	
2,4,5-trichlorophenol	95-95-4	0.067	ND			ND		0.33	ND		ND		0.33	ND	
2-nitroaniline	88-74-4	0.067	ND			ND		0.33	ND		ND		0.33	ND	
3-nitroaniline	99-09-2	0.067	ND			ND		0.33	ND		ND		0.33	ND	
dibenzofuran	132-64-9	0.033	ND			ND		0.17	26		ND		1.7	68	
2,6-dinitrotoluene	606-20-2	0.067	ND			ND		0.33	ND		ND		0.33	ND	
4-nitroaniline	100-01-6	0.1	ND			ND		0.5	ND		ND		0.5	ND	
4,6-dinitro-2-methylphenol	534-52-1	0.17	ND			ND		0.83	ND		ND		0.83	ND	
carbazole	86-74-8	0.033	ND			ND		0.17	11		ND		0.17	15	

Notes
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Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID		CPT/SB-04/29-31			CPT/SB-05/10.5-12.5			CPT/SB-06/6-10		CPT/SB-06/36-38			CPT/SB-07/14-16		
	Lab Sample Number		2679078			2679079			2679080		2679084			2679083		
	Date Collected		3/15/97			3/15/97			3/17/97		3/17/97			3/17/97		
Parameter	CAS Number	Standard MDL	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes
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	0.035	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;
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Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID		CPT/SB-04/29-31			CPT/SB-05/10.5-12.5			CPT/SB-06/6-10		CPT/SB-06/36-38			CPT/SB-07/14-16		
	Lab Sample Number		2679078			2679079			2679080		2679084			2679083		
	Date Collected		3/15/97			3/15/97			3/17/97		3/17/97			3/17/97		
Parameter	CAS Number	Standard MDL	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes
TCL Semivolatiles																
phenol	108-95-2	0.033	1.7	46		0.67	ND		ND			ND			ND	
2-chlorophenol	95-57-8	0.033	0.17	ND		0.67	ND		ND			ND			ND	
1,4-dichlorobenzene	106-46-7	0.033	0.17	ND		0.67	ND		ND			ND			ND	
N-nitrosodi-n-propylamine	621-64-7	0.067	0.33	ND		1.3	ND		ND			ND			ND	
1,2,4-trichlorobenzene	120-82-1	0.033	0.17	ND		0.67	ND		ND			ND			ND	
4-chloro-3-methylphenol	59-50-7	0.067	0.33	ND		1.3	ND		ND			ND			ND	
acenaphthene	83-32-9	0.033	1.7	51		6.7	290		ND			0.042	J	0.17	9.6	
4-nitrophenol	100-02-7	0.17	0.83	ND		3.3	ND		ND			ND			ND	
2,4-dinitrotoluene	121-14-2	0.067	0.33	ND		1.3	ND		ND			ND			ND	
pentachlorophenol	87-86-5	0.17	0.83	ND		3.3	ND		ND			ND			ND	
pyrene	129-00-0	0.067	0.33	26		13	250		ND			ND			3.9	
2-nitrophenol	88-75-5	0.067	0.33	ND		1.3	ND		ND			ND			ND	
2,4-dimethylphenol	105-67-9	0.067	0.33	17		1.3	ND		ND			ND			ND	
2,4-dichlorophenol	120-83-2	0.033	0.17	ND		0.67	ND		ND			ND			ND	
2,4,6-trichlorophenol	88-06-2	0.067	0.33	ND		1.3	ND		ND			ND			ND	
2,4-dinitrophenol	51-28-5	0.17	0.83	ND		3.3	ND		ND			ND			ND	
bis (2-chloroethyl) ether	111-44-4	0.067	0.33	ND		1.3	ND		ND			ND			ND	
1,3-dichlorobenzene	541-73-1	0.033	0.17	ND		0.67	ND		ND			ND			ND	
1,2-dichlorobenzene	95-50-1	0.033	0.17	ND		0.67	ND		ND			ND			ND	
hexachloroethane	67-72-1	0.067	0.33	ND		1.3	ND		ND			ND			ND	
nitrobenzene	98-95-3	0.033	0.17	ND		0.67	ND		ND			ND			ND	
isophorone	78-59-1	0.067	0.33	ND		1.3	ND		ND			ND			ND	
bis (2-chloroethoxy) methane	111-91-1	0.033	0.17	ND		0.67	ND		ND			ND			ND	
naphthalene	91-20-3	0.033	1.7	200		6.7	910		ND			0.05	J	0.33	36	
hexachlorobutadiene	87-68-3	0.067	0.33	ND		1.3	ND		ND			ND			ND	
hexachlorocyclopentadiene	77-47-4	0.17	0.83	ND		3.3	ND		ND			ND			ND	
2-chloronaphthalene	91-58-7	0.033	0.17	ND		0.67	ND		ND			ND			ND	
acenaphthylene	208-96-8	0.033	0.17	2.7		0.67	10		ND			ND			0.31	J
dimethyl phthalate	131-11-3	0.033	0.17	ND		0.67	ND		ND			ND			ND	
fluorene	86-73-7	0.033	1.7	64		6.7	330		ND			0.049	J	0.17	8.5	
4-chlorophenyl phenyl ether	7005-72-3	0.067	0.33	ND		1.3	ND		ND			ND			ND	
diethyl phthalate	84-66-2	0.067	0.33	ND		1.3	ND		ND			ND			ND	
N-nitrosodiphenylamine	86-30-6	0.067	0.33	ND		1.3	ND		ND			ND			ND	
4-bromophenyl phenyl ether	101-55-3	0.1	0.5	ND		2	ND		ND			ND			ND	
hexachlorobenzene	118-74-1	0.1	0.5	ND		2	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 intervel.
(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.

Table
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID		CPT/SB-04/29-31			CPT/SB-05/10.5-12.5			CPT/SB-06/6-10		CPT/SB-06/36-38			CPT/SB-07/14-16		
	Lab Sample Number		2679078			2679079			2679080		2679084			2679083		
	Date Collected		3/15/97			3/15/97			3/17/97		3/17/97			3/17/97		
Parameter	CAS Number	Standard MDL	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes
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			4.8	
di-n-butyl phthalate	84-74-2	0.033	0.17	ND		0.67	ND		ND			ND			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			ND	
benzo (a) anthracene	56-55-3	0.033	0.17	12		0.67	69		ND			ND			1.3	
chrysene	218-01-9	0.033	0.17	10		0.67	62		ND			ND			1.3	
3,3'-dichlorobenzidine	91-94-1	0.13	0.67	ND		2.7	ND		ND			ND			ND	
bis (2-ethylhexyl) phthalate	117-81-7	0.067	0.33	ND		1.3	ND		ND			ND			ND	
di-n-octyl phthalate	117-84-0	0.067	0.33	ND		1.3	ND		ND			ND			ND	
benzo (b) fluoranthene	205-99-2	0.067	0.33	6.6		1.3	38		ND			ND			0.89	
benzo (k) fluoranthene	207-08-9	0.13	0.67	2.6		2.7	13		ND			ND			0.33	J
benzo (a) pyrene	50-32-8	0.067	0.33	4.9		1.3	26		ND			ND			0.69	
indeno (1,2,3-cd) pyrene	193-39-5	0.067	0.33	2		1.3	8.5		ND			ND			0.38	
dibenz (a,h) anthracene	53-70-3	0.067	0.33	0.58	J	1.3	2.5	J	ND			ND			0.09	J
benzo (ghi) perylene	191-24-2	0.067	0.33	1.5	J	1.3	6.5	J	ND			ND			0.28	J
2-methylphenol	95-48-7	0.067	0.33	17		1.3	ND		ND			ND			ND	
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	0.5	ND		2	ND		ND			ND			ND	
4-methylphenol	106-44-5	0.1	5	71		2	ND		ND			ND			ND	
4-chloroaniline	106-47-8	0.1	0.5	ND		2	ND		ND			ND			ND	
2-methylnaphthalene	91-57-6	0.033	1.7	77		6.7	440		ND			ND		0.17	15	
2,4,5-trichlorophenol	95-95-4	0.067	0.33	ND		1.3	ND		ND			ND			ND	
2-nitroaniline	88-74-4	0.067	0.33	ND		1.3	ND		ND			ND			ND	
3-nitroaniline	99-09-2	0.067	0.33	ND		1.3	ND		ND			ND			ND	
dibenzofuran	132-64-9	0.033	1.7	48		6.7	270		ND			0.037	J	0.17	9.7	
2,6-dinitrotoluene	606-20-2	0.067	0.33	ND		1.3	ND		ND			ND			ND	
4-nitroaniline	100-01-6	0.1	0.5	ND		2	ND		ND			ND			ND	
4,6-dinitro-2-methylphenol	534-52-1	0.17	0.83	ND		3.3	ND		ND			ND			ND	
carbazole	86-74-8	0.033	0.17	11		0.67	69		ND			ND			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 intervel.
(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample GEO/SB-05/409.
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R - Unusable result; analyte may or may not be present in the sample.

Table 4-1
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	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	2680801		2680802		2680803		2680804		2680805		
	Date Collected	3/18/97		3/18/97		3/18/97		3/18/97		3/18/97		
Parameter	CAS Number	Standard MDL	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes
TCL Volatiles													
1,1-Dichloroethene	75-35-4	0.002	ND		ND		ND		ND		0.01	ND	
Trichloroethene	79-01-6	0.001	ND		ND		ND		ND		0.005	ND	
Benzene	71-43-2	0.001	ND		ND		ND		ND		0.005	ND	
Toluene	108-88-3	0.001	ND		ND		ND		ND		0.005	0.05	
Chlorobenzene	108-90-7	0.001	ND		ND		ND		ND		0.005	ND	
Xylene (total)	1330-20-7	0.001	ND		ND		ND		ND		0.005	1.2	
Chloromethane	74-87-3	0.002	ND		ND		ND		ND		0.01	ND	
Bromomethane	74-83-9	0.003	ND		ND		ND		ND		0.015	ND	
Vinyl Chloride	75-01-4	0.002	ND		ND		ND		ND		0.01	ND	
Chloroethane	75-00-3	0.003	ND		ND		ND		ND		0.015	ND	
Methylene Chloride	75-09-2	0.002	ND		ND		ND		ND		0.01	ND	
1,1-Dichloroethane	75-34-3	0.001	ND		ND		ND		ND		0.005	ND	
Chloroform	67-66-3	0.001	ND		ND		ND		ND		0.005	ND	
1,2-Dichloroethane	107-06-2	0.002	ND		ND		ND		ND		0.01	ND	
1,1,1-Trichloroethane	71-55-6	0.001	ND		ND		ND		ND		0.005	ND	
Carbon Tetrachloride	56-23-5	0.001	ND		ND		ND		ND		0.005	ND	
Bromodichloromethane	75-27-4	0.002	ND		ND		ND		ND		0.01	ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.001	ND		ND		ND		ND		0.005	ND	
1,2-Dichloropropane	78-87-5	0.003	ND		ND		ND		ND		0.015	ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	ND		ND		ND		ND		0.005	ND	
Dibromochloromethane	124-48-1	0.001	ND		ND		ND		ND		0.005	ND	
1,1,2-Trichloroethane	79-00-5	0.002	ND		ND		ND		ND		0.01	ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	ND		ND		ND		ND		0.005	ND	
Bromoform	75-25-2	0.001	ND		ND		ND		ND		0.005	ND	
Tetrachloroethene	127-18-4	0.001	ND		ND		ND		ND		0.005	ND	
Ethylbenzene	100-41-4	0.001	ND		ND		ND		ND		0.005	0.23	
Acetone	67-64-1	0.007	ND		ND		ND		ND		0.035	0.073	J
Carbon Disulfide	75-15-0	0.003	ND		ND		ND		ND		0.015	ND	
2-Butanone	78-93-3	0.007	ND		ND		ND		ND		0.035	ND	
Vinyl Acetate	108-05-4	0.003	ND		ND		ND		ND		0.015	ND	
2-Hexanone	591-78-6	0.003	ND		ND		ND		ND		0.015	ND	
4-Methyl-2-pentanone	108-10-1	0.003	ND		ND		ND		ND		0.015	ND	
Styrene	100-42-5	0.001	ND		ND		ND		ND		0.005	ND	
trans-1,2-Dichloroethene	156-60-5	0.002	ND		ND		ND		ND		0.01	ND	
cis-1,2-Dichloroethene	156-59-2	0.002	ND		ND		ND		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 intervel.
(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample GEO/SB-05/409.
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R - Unusable result; analyte may or may not be present in the sample.

Table 4-1
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	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	2680801		2680802		2680803		2680804		2680805		
	Date Collected	3/18/97		3/18/97		3/18/97		3/18/97		3/18/97		
Parameter	CAS Number	Standard MDL	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes
TCL Semivolatiles													
phenol	108-95-2	0.033	ND		ND		ND		ND		0.33	ND	
2-chlorophenol	95-57-8	0.033	ND		ND		ND		ND		0.33	ND	
1,4-dichlorobenzene	106-46-7	0.033	ND		ND		ND		ND		0.33	ND	
N-nitrosodi-n-propylamine	621-64-7	0.067	ND		ND		ND		ND		0.67	ND	
1,2,4-trichlorobenzene	120-82-1	0.033	ND		ND		ND		ND		0.33	ND	
4-chloro-3-methylphenol	59-50-7	0.067	ND		ND		ND		ND		0.67	ND	
acenaphthene	83-32-9	0.033	ND		ND		ND		ND		3.3	63	
4-nitrophenol	100-02-7	0.17	ND		ND		ND		ND		1.7	ND	
2,4-dinitrotoluene	121-14-2	0.067	ND		ND		ND		ND		0.67	ND	
pentachlorophenol	87-86-5	0.17	ND		ND		ND		ND		1.7	ND	
pyrene	129-00-0	0.067	ND		ND		ND		ND		6.7	180	
2-nitrophenol	88-75-5	0.067	ND		ND		ND		ND		0.67	ND	
2,4-dimethylphenol	105-67-9	0.067	ND		ND		ND		ND		0.67	1.2	J
2,4-dichlorophenol	120-83-2	0.033	ND		ND		ND		ND		0.33	ND	
2,4,6-trichlorophenol	88-06-2	0.067	ND		ND		ND		ND		0.67	ND	
2,4-dinitrophenol	51-28-5	0.17	ND		ND		ND		ND		1.7	ND	
bis (2-chloroethyl) ether	111-44-4	0.067	ND		ND		ND		ND		0.67	ND	
1,3-dichlorobenzene	541-73-1	0.033	ND		ND		ND		ND		0.33	ND	
1,2-dichlorobenzene	95-50-1	0.033	ND		ND		ND		ND		0.33	ND	
hexachloroethane	67-72-1	0.067	ND		ND		ND		ND		0.67	ND	
nitrobenzene	98-95-3	0.033	ND		ND		ND		ND		0.33	ND	
isophorone	78-59-1	0.067	ND		ND		ND		ND		0.67	ND	
bis (2-chloroethoxy) methane	111-91-1	0.033	ND		ND		ND		ND		0.33	ND	
naphthalene	91-20-3	0.033	0.098	J	ND		0.2	J	ND		3.3	400	
hexachlorobutadiene	87-68-3	0.067	ND		ND		ND		ND		0.67	ND	
hexachlorocyclopentadiene	77-47-4	0.17	ND		ND		ND		ND		1.7	ND	
2-chloronaphthalene	91-58-7	0.033	ND		ND		ND		ND		0.33	ND	
acenaphthylene	208-96-8	0.033	ND		ND		ND		ND		0.33	8.3	
dimethyl phthalate	131-11-3	0.033	ND		ND		ND		ND		0.33	ND	
fluorene	86-73-7	0.033	ND		ND		ND		ND		3.3	130	
4-chlorophenyl phenyl ether	7005-72-3	0.067	ND		ND		ND		ND		0.67	ND	
diethyl phthalate	84-66-2	0.067	ND		ND		ND		ND		0.67	ND	
N-nitrosodiphenylamine	86-30-6	0.067	ND		ND		ND		ND		0.67	ND	
4-bromophenyl phenyl ether	101-55-3	0.1	ND		ND		ND		ND		1	ND	
hexachlorobenzene	118-74-1	0.1	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 intervel.
(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.

Table
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	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	2680801		2680802		2680803		2680804		2680805		
	Date Collected	3/18/97		3/18/97		3/18/97		3/18/97		3/18/97		
Parameter	CAS Number	Standard MDL	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Sample-Specific MDL	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	J
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 intervel.
(a) Sample GEO/SB-29/6-8 is a blind duplicate of sample GEO/SB-05/409.
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Table
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID		GEO/SB-29/6-8 (a)			GEO/SB-05A/17-19		GEO/SB-06/10-12			GEO/SB-07/5-7		
	Lab Sample Number		2680808			2680806		2680809			2680810		
	Date Collected		3/18/97			3/18/97		3/19/97			3/19/97		
Parameter	CAS Number	Standard MDL	Sample-Specific MDL	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes
TCL Volatiles													
1,1-Dichloroethene	75-35-4	0.002	0.01	ND		ND		0.01	ND		0.01	ND	
Trichloroethene	79-01-6	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
Benzene	71-43-2	0.001	0.005	ND		0.002	J	0.005	0.008	J	0.005	ND	
Toluene	108-88-3	0.001	0.005	0.045		ND		0.005	0.095		0.005	0.014	J
Chlorobenzene	108-90-7	0.001	0.005	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		0.01	ND		0.01	ND	
Bromomethane	74-83-9	0.003	0.015	ND		ND		0.015	ND		0.015	ND	
Vinyl Chloride	75-01-4	0.002	0.01	ND		ND		0.01	ND		0.01	ND	
Chloroethane	75-00-3	0.003	0.015	ND		ND		0.015	ND		0.015	ND	
Methylene Chloride	75-09-2	0.002	0.01	ND		ND		0.01	ND		0.01	ND	
1,1-Dichloroethane	75-34-3	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
Chloroform	67-66-3	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
1,2-Dichloroethane	107-06-2	0.002	0.01	ND		ND		0.01	ND		0.01	ND	
1,1,1-Trichloroethane	71-55-6	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
Carbon Tetrachloride	56-23-5	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
Bromodichloromethane	75-27-4	0.002	0.01	ND		ND		0.01	ND		0.01	ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
1,2-Dichloropropane	78-87-5	0.003	0.015	ND		ND		0.015	ND		0.015	ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
Dibromochloromethane	124-48-1	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
1,1,2-Trichloroethane	79-00-5	0.002	0.01	ND		ND		0.01	ND		0.01	ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
Bromoform	75-25-2	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
Tetrachloroethene	127-18-4	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
Ethylbenzene	100-41-4	0.001	0.005	0.21		ND		0.005	0.48		0.005	0.068	
Acetone	67-64-1	0.007	0.035	0.053	J	ND		0.035	0.044	J	0.035	ND	
Carbon Disulfide	75-15-0	0.003	0.015	ND		ND		0.015	ND		0.015	ND	
2-Butanone	78-93-3	0.007	0.035	ND		ND		0.035	ND		0.035	ND	
Vinyl Acetate	108-05-4	0.003	0.015	ND		ND		0.015	ND		0.015	ND	
2-Hexanone	591-78-6	0.003	0.015	ND		ND		0.015	ND		0.015	ND	
4-Methyl-2-pentanone	108-10-1	0.003	0.015	ND		ND		0.015	ND		0.015	ND	
Styrene	100-42-5	0.001	0.005	ND		ND		0.005	ND		0.005	ND	
trans-1,2-Dichloroethene	156-60-5	0.002	0.01	ND		ND		0.01	ND		0.01	ND	
cis-1,2-Dichloroethene	156-59-2	0.002	0.01	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 intervel.
(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.

Table 4-1
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID			GEO/SB-29/6-8 (a)			GEO/SB-05A/17-19			GEO/SB-06/10-12			GEO/SB-07/5-7		
	Lab Sample Number			2680808			2680806			2680809			2680810		
	Date Collected			3/18/97			3/18/97			3/19/97			3/19/97		
Parameter	CAS Number	Standard MDL	Sample-Specific MDL	Result	Notes		Result	Notes		Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes
TCL Semivolatiles															
phenol	108-95-2	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
2-chlorophenol	95-57-8	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
1,4-dichlorobenzene	106-46-7	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
N-nitrosodi-n-propylamine	621-64-7	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
1,2,4-trichlorobenzene	120-82-1	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
4-chloro-3-methylphenol	59-50-7	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
acenaphthene	83-32-9	0.033	1.7	130			ND			1.7	150		4.2	200	
4-nitrophenol	100-02-7	0.17	0.83	ND			ND			0.83	ND		0.83	ND	
2,4-dinitrotoluene	121-14-2	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
pentachlorophenol	87-86-5	0.17	0.83	ND			ND			0.83	ND		0.83	ND	
pyrene	129-00-0	0.067	3.3	140			0.12	J		3.3	120		8.3	230	
2-nitrophenol	88-75-5	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
2,4-dimethylphenol	105-67-9	0.067	0.33	1	J		ND			0.33	1.3	J	0.33	ND	
2,4-dichlorophenol	120-83-2	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
2,4,6-trichlorophenol	88-06-2	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
2,4-dinitrophenol	51-28-5	0.17	0.83	ND			ND			0.83	ND		0.83	ND	
bis (2-chloroethyl) ether	111-44-4	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
1,3-dichlorobenzene	541-73-1	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
1,2-dichlorobenzene	95-50-1	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
hexachloroethane	67-72-1	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
nitrobenzene	98-95-3	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
isophorone	78-59-1	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
bis (2-chloroethoxy) methane	111-91-1	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
naphthalene	91-20-3	0.033	3.3	380			ND			3.3	420		4.2	210	
hexachlorobutadiene	87-68-3	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
hexachlorocyclopentadiene	77-47-4	0.17	0.83	ND			ND			0.83	ND		0.83	ND	
2-chloronaphthalene	91-58-7	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
acenaphthylene	208-96-8	0.033	0.17	5.5			ND			0.17	5.2		0.17	7.7	
dimethyl phthalate	131-11-3	0.033	0.17	ND			ND			0.17	ND		0.17	ND	
fluorene	86-73-7	0.033	1.7	140			ND			1.7	160		4.2	250	
4-chlorophenyl phenyl ether	7005-72-3	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
diethyl phthalate	84-66-2	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
N-nitrosodiphenylamine	86-30-6	0.067	0.33	ND			ND			0.33	ND		0.33	ND	
4-bromophenyl phenyl ether	101-55-3	0.1	0.5	ND			ND			0.5	ND		0.5	ND	
hexachlorobenzene	118-74-1	0.1	0.5	ND			ND			0.5	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 intervel.
(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.

Table 4-1
Summary of Subsurface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID		GEO/SB-29/6-8 (a)			GEO/SB-05A/17-19		GEO/SB-06/10-12			GEO/SB-07/5-7		
	Lab Sample Number		2680808			2680806		2680809			2680810		
	Date Collected		3/18/97			3/18/97		3/19/97			3/19/97		
Parameter	CAS Number	Standard MDL	Sample-Specific MDL	Result	Notes	Result	Notes	Sample-Specific MDL	Result	Notes	Sample-Specific MDL	Result	Notes
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		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		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		1.7	33		4.2	52	
3,3'-dichlorobenzidine	91-94-1	0.13	0.67	ND		ND		0.67	ND		0.67	ND	
bis (2-ethylhexyl) phthalate	117-81-7	0.067	0.33	ND		ND		0.33	ND		0.33	ND	
di-n-octyl phthalate	117-84-0	0.067	0.33	ND		ND		0.33	ND		0.33	ND	
benzo (b) fluoranthene	205-99-2	0.067	0.33	25		ND		0.33	18		8.3	33	J
benzo (k) fluoranthene	207-08-9	0.13	0.67	8.7		ND		0.67	6.7		0.67	11	
benzo (a) pyrene	50-32-8	0.067	0.33	17		ND		0.33	13		0.33	22	
indeno (1,2,3-cd) pyrene	193-39-5	0.067	0.33	6.3		ND		0.33	4.1		0.33	8.7	
dibenz (a,h) anthracene	53-70-3	0.067	0.33	1.8		ND		0.33	1.4	J	0.33	3.4	
benzo (ghi) perylene	191-24-2	0.067	0.33	4.8		ND		0.33	2.4		0.33	6.4	
2-methylphenol	95-48-7	0.067	0.33	ND		ND		0.33	ND		0.33	ND	
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	0.5	ND		ND		0.5	ND		0.5	ND	
4-methylphenol	106-44-5	0.1	0.5	ND		ND		0.5	ND		0.5	ND	
4-chloroaniline	106-47-8	0.1	0.5	ND		ND		0.5	ND		0.5	ND	
2-methylnaphthalene	91-57-6	0.033	1.7	180		ND		1.7	190		4.2	230	
2,4,5-trichlorophenol	95-95-4	0.067	0.33	ND		ND		0.33	ND		0.33	ND	
2-nitroaniline	88-74-4	0.067	0.33	ND		ND		0.33	ND		0.33	ND	
3-nitroaniline	99-09-2	0.067	0.33	ND		ND		0.33	ND		0.33	ND	
dibenzofuran	132-64-9	0.033	1.7	120		ND		1.7	130		4.2	180	
2,6-dinitrotoluene	606-20-2	0.067	0.33	ND		ND		0.33	ND		0.33	ND	
4-nitroaniline	100-01-6	0.1	0.5	ND		ND		0.5	ND		0.5	ND	
4,6-dinitro-2-methylphenol	534-52-1	0.17	0.83	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	J

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.

Table
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.

Table
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
Xylene (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
1,1,2,2-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.

Table
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 Semivolatiles							
phenol	108-95-2	5	ND	J	10	130	J
2-chlorophenol	95-57-8	5	ND	J	5	ND	J
1,4-dichlorobenzene	106-46-7	5	ND	J	5	ND	J
N-nitrosodi-n-propylamine	621-64-7	10	ND	J	10	ND	J
1,2,4-trichlorobenzene	120-82-1	5	ND	J	5	ND	J
4-chloro-3-methylphenol	59-50-7	10	ND	J	10	ND	J
acenaphthene	83-32-9	400	18000	J	800	17000	J
4-nitrophenol	100-02-7	25	ND	J	25	ND	J
2,4-dinitrotoluene	121-14-2	10	ND	J	10	ND	J
pentachlorophenol	87-86-5	25	ND	J	25	ND	J
pyrene	129-00-0	800	15000	J	1600	14000	J
2-nitrophenol	88-75-5	10	ND	J	10	ND	J
2,4-dimethylphenol	105-67-9	20	140	J	20	2900	J
2,4-dichlorophenol	120-83-2	5	ND	J	5	ND	J
2,4,6-trichlorophenol	88-06-2	10	ND	J	10	ND	J
2,4-dinitrophenol	51-28-5	25	ND	J	25	ND	J
bis (2-chloroethyl) ether	111-44-4	10	ND	J	10	ND	J
1,3-dichlorobenzene	541-73-1	5	ND	J	5	ND	J
1,2-dichlorobenzene	95-50-1	5	ND	J	5	ND	J
hexachloroethane	67-72-1	10	ND	J	10	ND	J
nitrobenzene	98-95-3	5	ND	J	5	ND	J
isophorone	78-59-1	10	ND	J	10	ND	J
bis (2-chloroethoxy) methane	111-91-1	5	ND	J	5	ND	J
naphthalene	91-20-3	400	62000	J	800	96000	J
hexachlorobutadiene	87-68-3	10	ND	J	10	ND	J
hexachlorocyclopentadiene	77-47-4	25	ND	J	25	ND	J
2-chloronaphthalene	91-58-7	5	ND	J	5	ND	J
acenaphthylene	208-96-8	10	720	J	10	1100	J
dimethyl phthalate	131-11-3	5	ND	J	5	ND	J
fluorene	86-73-7	400	18000	J	800	18000	J
4-chlorophenyl phenyl ether	7005-72-3	10	ND	J	10	ND	J
diethyl phthalate	84-66-2	10	ND	J	10	ND	J
N-nitrosodiphenylamine	86-30-6	10	ND	J	10	ND	J
4-bromophenyl phenyl ether	101-55-3	15	ND	J	15	ND	J
hexachlorobenzene	118-74-1	15	ND	J	15	ND	J

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

Table 4-3
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
phenanthrene	85-01-8	400	41000	J	800	47000	J
anthracene	120-12-7	400	4600	J	800	6500	J
di-n-butyl phthalate	84-74-2	5	ND	J	5	ND	J
fluoranthene	206-44-0	400	21000	J	800	19000	J
butyl benzyl phthalate	85-68-7	10	ND	J	10	ND	J
benzo (a) anthracene	56-55-3	400	4600	J	800	3900	J
chrysene	218-01-9	400	3900	J	800	3100	J
3,3'-dichlorobenzidine	91-94-1	20	ND	J	20	ND	J
bis (2-ethylhexyl) phthalate	117-81-7	10	ND	J	10	ND	J
di-n-octyl phthalate	117-84-0	10	ND	J	10	ND	J
benzo (b) fluoranthene	205-99-2	800	2100	J	1600	1800	J
benzo (k) fluoranthene	207-08-9	40	1000	J	40	850	J
benzo (a) pyrene	50-32-8	800	1500	J	20	1800	J
indeno (1,2,3-cd) pyrene	193-39-5	20	700	J	20	740	J
dibenz (a,h) anthracene	53-70-3	20	180	J	20	210	J
benzo (ghi) perylene	191-24-2	20	490	J	20	530	J
2-methylphenol	95-48-7	10	ND	J	20	400	J
2,2'-oxybis (1-chloropropane)	108-60-1	15	ND	J	15	ND	J
4-methylphenol	106-44-5	15	ND	J	30	810	J
4-chloroaniline	106-47-8	15	ND	J	15	ND	J
2-methylnaphthalene	91-57-6	400	28000	J	800	27000	J
2,4,5-trichlorophenol	95-95-4	10	ND	J	10	ND	J
2-nitroaniline	88-74-4	10	ND	J	10	ND	J
3-nitroaniline	99-09-2	10	ND	J	10	ND	J
dibenzofuran	132-64-9	400	15000	J	800	15000	J
2,6-dinitrotoluene	606-20-2	10	ND	J	10	ND	J
4-nitroaniline	100-01-6	15	ND	J	15	ND	J
4,6-dinitro-2-methylphenol	534-52-1	25	ND	R	25	ND	R
carbazole	86-74-8	400	2300	J	800	3000	J
Moisture 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.

Table 4-4
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	MW-03		MW-04		MW-04 dup (a)		MW-05		MW-01	
	Lab Sample Number	2677529		2677530		2677531		2677535		2677536	
	Date Collected	3/12/97		3/12/97		3/12/97		3/12/97		3/12/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
Volatiles												
2-Butanone	78-93-3	0.003	ND		ND		NA		ND		ND	
Bromomethane	74-83-9	0.003	ND		ND		NA		ND		ND	
Chloromethane	74-87-3	0.003	ND		ND		NA		ND		ND	
Vinyl Chloride	75-01-4	0.002	ND		ND		NA		ND		ND	
Chloroethane	75-00-3	0.003	ND		ND		NA		ND		ND	
Methylene Chloride	75-09-2	0.002	ND		ND		NA		ND		ND	
Acetone	67-64-1	0.006	ND		ND		NA		ND		ND	
Carbon Disulfide	75-15-0	0.003	0.023		0.027		NA		ND		0.057	
1,1-Dichloroethene	75-35-4	0.001	ND		ND		NA		ND		ND	
1,1-Dichloroethane	75-34-3	0.002	ND		ND		NA		ND		ND	
Chloroform	67-66-3	0.001	ND		ND		NA		0.002	J	0.006	
1,2-Dichloroethane	107-06-2	0.002	ND		ND		NA		ND		ND	
1,1,1-Trichloroethane	71-55-6	0.001	ND		ND		NA		ND		ND	
Carbon Tetrachloride	56-23-5	0.001	ND		ND		NA		ND		ND	
Vinyl Acetate	108-05-4	0.002	ND	R	ND	R	NA		ND	R	ND	R
Bromodichloromethane	75-27-4	0.001	ND		ND		NA		ND		ND	
1,2-Dichloropropane	78-87-5	0.001	ND		ND		NA		ND		ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	ND		ND		NA		ND		ND	
Trichloroethene	79-01-6	0.001	ND		ND		NA		ND		ND	
Dibromochloromethane	124-48-1	0.002	ND		ND		NA		ND		ND	
1,1,2-Trichloroethane	79-00-5	0.002	ND		ND		NA		ND		ND	
Benzene	71-43-2	0.001	ND		ND		NA		ND		ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	ND		ND		NA		ND		ND	
Bromoform	75-25-2	0.001	ND		ND		NA		ND		ND	
2-Hexanone	591-78-6	0.007	ND		ND	J	NA		ND		ND	
4-Methyl-2-pentanone	108-10-1	0.005	ND		ND		NA		ND		ND	
Tetrachloroethene	127-18-4	0.001	ND		ND		NA		ND		ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.002	ND		ND		NA		ND		ND	
Toluene	108-88-3	0.002	ND		ND		NA		ND		ND	
Chlorobenzene	108-90-7	0.001	ND		ND		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.
R - Unusable result; analyte may or may not be present in the sample.

Table
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	MW-03		MW-04		MW-04 dup (a)		MW-05		MW-01	
	Lab Sample Number	2677529		2677530		2677531		2677535		2677536	
	Date Collected	3/12/97		3/12/97		3/12/97		3/12/97		3/12/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	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	R	ND	R	ND		ND	R	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	J	0.0042	J	0.0022	J	0.0071	J	0.0017	J
Cadmium	7440-43-9	0.0027	ND		ND		ND		ND		ND	
Calcium	7440-70-2	0.03	17.7	J	42.6	J	42.9		19.2	J	12.7	J
Chromium	7440-47-3	0.0043	0.028	J	0.0185	J	0.0217	J	0.071		0.042	
Cobalt	7440-48-4	0.0055	0.0132	J	0.0156	J	0.0177	J	0.0403	J	0.0121	J
Copper	7440-50-8	0.0038	ND		ND		0.0217	J	0.047		ND	
Iron	7439-89-6	0.0059	26.3	J	21.9	J	27.1		79.3	J	13.2	J
Magnesium	7439-95-4	0.024	4.67		20.6		21.5		10.3		4.18	
Manganese	7439-96-5	0.0029	0.5	J	1.22	J	1.26		1.09	J	0.343	J
Nickel	7440-02-0	0.0054	0.0163	J	0.0305	J	0.035	J	0.0407	J	0.0124	J
Potassium	7440-09-7	0.15	2.92	J	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	J	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
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.

Table
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	MW-03		MW-04		MW-04 dup (a)		MW-05		MW-01	
	Lab Sample Number	2677529		2677530		2677531		2677535		2677536	
	Date Collected	3/12/97		3/12/97		3/12/97		3/12/97		3/12/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
Pesticides/PCBs												
Endrin Ketone	53494-70-5	0.000004	ND	J	ND	J	NA		ND	J	ND	J
Alpha Chlordane	5103-71-9	0.000001	ND	J	ND	J	NA		ND	J	ND	J
Gamma Chlordane	5103-74-2	0.000001	ND	J	ND	J	NA		ND	J	ND	J
Alpha BHC	319-84-6	0.000001	ND	J	ND	J	NA		ND	J	ND	J
Beta BHC	319-85-7	0.000001	ND	J	ND	J	NA		ND	J	ND	J
Gamma BHC - Lindane	58-89-9	0.000001	ND	J	ND	J	NA		0.000002	J	0.000002	J
Delta BHC	319-86-8	0.000003	ND	J	ND	J	NA		ND	J	ND	J
Heptachlor	76-44-8	0.000002	ND	J	ND	J	NA		ND	J	ND	J
Aldrin	309-00-2	0.000006	ND	J	ND	J	NA		ND	J	ND	J
Heptachlor Epoxide	1024-57-3	0.000001	ND	J	ND	J	NA		0.000002	J	ND	J
DDE	72-55-9	0.000001	ND	J	ND	J	NA		ND	J	0.000002	J
DDD	72-54-8	0.000005	ND	J	ND	J	NA		ND	J	ND	J
DDT	50-29-3	0.000009	ND	J	ND	J	NA		ND	J	ND	J
Dieldrin	60-57-1	0.000001	ND	J	ND	J	NA		ND	J	ND	J
Endrin	72-20-8	0.000007	ND	J	ND	J	NA		ND	J	ND	J
Toxaphene	8001-35-2	0.0004	ND	J	ND	J	NA		ND	J	ND	J
Endosulfan II	33213-65-9	0.000005	ND	J	ND	J	NA		ND	J	ND	J
Endosulfan I	959-98-8	0.000002	ND	J	ND	J	NA		ND	J	ND	J
Endosulfan Sulfate	1031-07-8	0.000003	ND	J	ND	J	NA		ND	J	ND	J
Endrin Aldehyde	7421-93-4	0.000005	ND	J	ND	J	NA		ND	J	ND	J
PCB-1016	12674-11-2	0.00004	ND	J	ND	J	NA		ND	J	ND	J
PCB-1221	11104-28-2	0.0001	ND	J	ND	J	NA		ND	J	ND	J
PCB-1232	11141-16-5	0.00005	ND	J	ND	J	NA		ND	J	ND	J
PCB-1242	53469-21-9	0.0001	ND	J	ND	J	NA		ND	J	ND	J
PCB-1248	12672-29-6	0.00004	ND	J	ND	J	NA		ND	J	ND	J
PCB-1254	11097-69-1	0.0001	ND	J	ND	J	NA		ND	J	ND	J
PCB-1260	11096-82-5	0.00004	ND	J	ND	J	NA		ND	J	ND	J
Methoxychlor	72-43-5	0.00002	ND	J	ND	J	NA		ND	J	ND	J

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.

Table
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	MW-03		MW-04		MW-04 dup (a)		MW-05		MW-01	
	Lab Sample Number	2677529		2677530		2677531		2677535		2677536	
	Date Collected	3/12/97		3/12/97		3/12/97		3/12/97		3/12/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
Semivolatiles												
acenaphthene	83-32-9	0.001	ND		ND		NA		ND		ND	
acenaphthylene	208-96-8	0.001	ND		ND		NA		ND		ND	
anthracene	120-12-7	0.001	ND		ND		NA		ND		ND	
benzo (a) anthracene	56-55-3	0.001	ND		ND		NA		ND		ND	
benzo (b) fluoranthene	205-99-2	0.002	ND		ND		NA		ND		ND	
benzo (k) fluoranthene	207-08-9	0.002	ND		ND		NA		ND		ND	
benzo (ghi) perylene	191-24-2	0.002	ND		ND		NA		ND		ND	
benzo (a) pyrene	50-32-8	0.002	ND		ND		NA		ND		ND	
bis (2-chloroethoxy) methane	111-91-1	0.001	ND		ND		NA		ND		ND	
bis (2-chloroethyl) ether	111-44-4	0.001	ND		ND		NA		ND		ND	
bis (2-ethylhexyl) phthalate	117-81-7	0.002	ND		ND		NA		ND		ND	
4-bromophenyl phenyl ether	101-55-3	0.002	ND		ND		NA		ND		ND	
butyl benzyl phthalate	85-68-7	0.002	ND		ND		NA		ND		ND	
4-chloroaniline	106-47-8	0.002	ND	J	ND		NA		ND		ND	
4-chloro-3-methylphenol	59-50-7	0.002	ND		ND		NA		ND	J	ND	J
2-chloronaphthalene	91-58-7	0.001	ND		ND		NA		ND		ND	
2-chlorophenol	95-57-8	0.001	ND		ND		NA		ND		ND	
4-chlorophenyl phenyl ether	7005-72-3	0.002	ND		ND		NA		ND		ND	
chrysene	218-01-9	0.001	ND		ND		NA		ND		ND	
dibenzofuran	132-64-9	0.001	ND		ND		NA		ND		ND	
di-n-butyl phthalate	84-74-2	0.001	ND		ND		NA		ND		0.001	J
dibenz (a,h) anthracene	53-70-3	0.002	ND		ND		NA		ND		ND	
1,2-dichlorobenzene	95-50-1	0.001	ND		ND		NA		ND		ND	
1,3-dichlorobenzene	541-73-1	0.001	ND		ND		NA		ND		ND	
1,4-dichlorobenzene	106-46-7	0.001	ND		ND		NA		ND		ND	
3,3'-dichlorobenzidine	91-94-1	0.002	ND		ND		NA		ND		ND	
2,4-dichlorophenol	120-83-2	0.002	ND		ND		NA		ND		ND	
diethyl phthalate	84-66-2	0.002	ND		ND		NA		ND		ND	
2,4-dimethylphenol	105-67-9	0.001	ND		ND		NA		ND		ND	
dimethyl phthalate	131-11-3	0.003	ND		ND		NA		ND		ND	
2,4-dinitrophenol	51-28-5	0.005	ND		ND		NA		ND		ND	
2,4-dinitrotoluene	121-14-2	0.002	ND		ND		NA		ND		ND	
2,6-dinitrotoluene	606-20-2	0.001	ND		ND		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.
R - Unusable result; analyte may or may not be present in the sample.

Table
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID		MW-03		MW-04		MW-04 dup (a)		MW-05		MW-01
	Lab Sample Number		2677529		2677530		2677531		2677535		2677536
	Date Collected		3/12/97		3/12/97		3/12/97		3/12/97		3/12/97
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
di-n-octyl phthalate	117-84-0	0.002	ND		ND		NA		ND		ND	
fluoranthene	206-44-0	0.001	ND		ND		NA		ND		ND	
fluorene	86-73-7	0.001	ND		ND		NA		ND		ND	
hexachlorobenzene	118-74-1	0.001	ND		ND		NA		ND		ND	
hexachlorobutadiene	87-68-3	0.001	ND		ND		NA		ND		ND	
hexachlorocyclopentadiene	77-47-4	0.003	ND		ND		NA		ND		ND	
hexachloroethane	67-72-1	0.002	ND		ND		NA		ND		ND	
indeno (1,2,3-cd) pyrene	193-39-5	0.002	ND		ND		NA		ND		ND	
isophorone	78-59-1	0.001	ND		ND		NA		ND		ND	
2-methylnaphthalene	91-57-6	0.001	ND		ND		NA		ND		ND	
naphthalene	91-20-3	0.001	ND		ND		NA		ND		ND	
2-nitroaniline	88-74-4	0.001	ND		ND		NA		ND		ND	
3-nitroaniline	99-09-2	0.001	ND		ND		NA		ND		ND	
4-nitroaniline	100-01-6	0.002	ND		ND		NA		ND		ND	
nitrobenzene	98-95-3	0.001	ND		ND		NA		ND		ND	
2-nitrophenol	88-75-5	0.002	ND		ND		NA		ND		ND	
4-nitrophenol	100-02-7	0.005	ND		ND		NA		ND		ND	
N-nitrosodiphenylamine	86-30-6	0.002	ND		ND		NA		ND		ND	
N-nitrosodi-n-propylamine	621-64-7	0.002	ND		ND		NA		ND		ND	
pentachlorophenol	87-86-5	0.001	ND		ND		NA		ND		ND	
phenanthrene	85-01-8	0.001	0.002	J	ND		NA		ND		ND	
phenol	108-95-2	0.001	ND		ND		NA		ND		ND	
pyrene	129-00-0	0.001	ND		ND		NA		ND		ND	
1,2,4-trichlorobenzene	120-82-1	0.001	ND		ND		NA		ND		0.003	J
2,4,5-trichlorophenol	95-95-4	0.001	ND		ND		NA		ND		ND	
2,4,6-trichlorophenol	88-06-2	0.001	ND		ND		NA		ND		ND	
2-methylphenol	95-48-7	0.002	ND		ND		NA		ND		ND	
2,2'oxybis (1-chloropropane)	108-60-1	0.002	ND		ND		NA		ND		ND	
4-methylphenol	106-44-5	0.002	ND		ND		NA		ND		ND	
4,6-dinitro-2-methylphenol	534-52-1	0.005	ND	R	ND	R	NA		ND	R	ND	R
carbazole	86-74-8	0.001	ND		ND		NA		ND		ND	
Total cyanide	57-12-5	0.000004	ND		ND		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.*

Table 1
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

		MP&A Sample ID		MW-3			MW-23 (b)			MW-4	
		Lab Sample Number		2677537			2677538			2677539	
		Date Collected		3/12/97			3/12/97			3/12/97	
Parameter	CAS Number	Method Detection Limit	Sample Specific MDL	Result	Notes	Sample Specific MDL	Result	Notes	Result	Notes
Volatiles										
2-Butanone	78-93-3	0.003	0.06	ND		0.06	ND		ND	
Bromomethane	74-83-9	0.003	0.06	ND		0.06	ND		ND	
Chloromethane	74-87-3	0.003	0.06	ND		0.06	ND		ND	
Vinyl Chloride	75-01-4	0.002	0.04	ND		0.04	ND		ND	
Chloroethane	75-00-3	0.003	0.06	ND		0.06	ND		ND	
Methylene Chloride	75-09-2	0.002	0.04	ND		0.04	ND		ND	
Acetone	67-64-1	0.006	0.12	ND		0.12	ND		ND	
Carbon Disulfide	75-15-0	0.003	0.06	ND		0.06	ND		ND	
1,1-Dichloroethene	75-35-4	0.001	0.02	ND		0.02	ND		ND	
1,1-Dichloroethane	75-34-3	0.002	0.04	ND		0.04	ND		ND	
Chloroform	67-66-3	0.001	0.02	ND		0.02	ND		ND	
1,2-Dichloroethane	107-06-2	0.002	0.04	ND		0.04	ND		ND	
1,1,1-Trichloroethane	71-55-6	0.001	0.02	ND		0.02	ND		ND	
Carbon Tetrachloride	56-23-5	0.001	0.02	ND		0.02	ND		ND	
Vinyl Acetate	108-05-4	0.002	0.04	ND	R	0.04	ND	R	ND	R
Bromodichloromethane	75-27-4	0.001	0.02	ND		0.02	ND		ND	
1,2-Dichloropropane	78-87-5	0.001	0.02	ND		0.02	ND		ND	
trans-1,3-Dichloropropene	10061-02-6	0.001	0.02	ND		0.02	ND		ND	
Trichloroethene	79-01-6	0.001	0.02	ND		0.02	ND		ND	
Dibromochloromethane	124-48-1	0.002	0.04	ND		0.04	ND		ND	
1,1,2-Trichloroethane	79-00-5	0.002	0.04	ND		0.04	ND		ND	
Benzene	71-43-2	0.001	0.02	0.81		0.02	0.79		ND	
cis-1,3-Dichloropropene	10061-01-5	0.001	0.02	ND		0.02	ND		ND	
Bromoform	75-25-2	0.001	0.02	ND		0.02	ND		ND	
2-Hexanone	591-78-6	0.007	0.14	ND		0.14	ND		ND	
4-Methyl-2-pentanone	108-10-1	0.005	0.1	ND		0.1	ND		ND	
Tetrachloroethene	127-18-4	0.001	0.02	ND		0.02	ND		ND	
1,1,2,2-Tetrachloroethane	79-34-5	0.002	0.04	ND		0.04	ND		ND	
Toluene	108-88-3	0.002	0.04	0.44		0.04	0.43		ND	
Chlorobenzene	108-90-7	0.001	0.02	ND		0.02	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.

Table 4-4
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

		MP&A Sample ID		MW-3			MW-23 (b)			MW-4	
		Lab Sample Number		2677537			2677538			2677539	
		Date Collected		3/12/97			3/12/97			3/12/97	
Parameter	CAS Number	Method Detection Limit	Sample Specific MDL	Result	Notes	Sample Specific MDL	Result	Notes	Result	Notes
Ethylbenzene	100-41-4	0.002	0.04	0.062	J	0.04	0.06	J	ND	
Styrene	100-42-5	0.001	0.02	0.085	J	0.02	0.077	J	ND	
Xylene (total)	1330-20-7	0.001	0.02	0.38		0.02	0.37		ND	
trans-1,2-Dichloroethene	156-60-5	0.002	0.04	ND		0.04	ND		ND	
cis-1,2-Dichloroethene	156-59-2	0.002	0.04	ND		0.04	ND		ND	
Metals										
Aluminum	7429-90-5	0.057		7.32	J		14.8	J	1.77	
Antimony	7440-36-0	0.015		ND	R		ND	R	ND	R
Barium	7440-39-3	0.0022		0.11	J		0.16	J	0.0917	J
Beryllium	7440-41-7	0.0013		0.0037	J		0.0026	J	ND	
Cadmium	7440-43-9	0.0027		ND			ND		ND	
Calcium	7440-70-2	0.03		2.84	J		3.67	J	5.85	J
Chromium	7440-47-3	0.0043		0.0197	J		0.038	J	ND	
Cobalt	7440-48-4	0.0055		ND			0.0086	J	ND	
Copper	7440-50-8	0.0038		ND	J		ND	J	ND	
Iron	7439-89-6	0.0059		9.84	J		15.3	J	2.3	J
Magnesium	7439-95-4	0.024		1.8	J		2.39	J	1.93	
Manganese	7439-96-5	0.0029		0.061	J		0.088	J	0.128	J
Nickel	7440-02-0	0.0054		0.0068	J		0.0112	J	ND	
Potassium	7440-09-7	0.15		1.15	J		1.59	J	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	J	ND	
Zinc	7440-66-6	0.012		ND			0.093	J	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	J	ND	J
Mercury	7439-97-6	0.000043		ND	J		0.00026	J	ND	J

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.

Table 4-4
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

		MP&A Sample ID		MW-3			MW-23 (b)			MW-4	
		Lab Sample Number		2677537			2677538			2677539	
		Date Collected		3/12/97			3/12/97			3/12/97	
Parameter	CAS Number	Method Detection Limit	Sample Specific MDL	Result	Notes	Sample Specific MDL	Result	Notes	Result	Notes
Pesticides/PCBs										
Endrin Ketone	53494-70-5	0.000004	0.000005	ND	J		ND	J	ND	
Alpha Chlordane	5103-71-9	0.000001		ND	J		ND	J	ND	
Gamma Chlordane	5103-74-2	0.000001	0.000002	ND	J		ND	J	ND	
Alpha BHC	319-84-6	0.000001	0.00003	ND	J		ND	J	ND	
Beta BHC	319-85-7	0.000001		ND	J		ND	J	ND	
Gamma BHC - Lindane	58-89-9	0.000001		ND	J		ND	J	ND	
Delta BHC	319-86-8	0.000003	0.000004	ND	J		ND	J	ND	
Heptachlor	76-44-8	0.000002		ND	J		ND	J	ND	
Aldrin	309-00-2	0.000006	0.000008	ND	J		ND	J	ND	
Heptachlor Epoxide	1024-57-3	0.000001		ND	J		ND	J	ND	
DDE	72-55-9	0.000001	0.000003	ND	J		0.00002	J	ND	
DDD	72-54-8	0.000005	0.000006	ND	J		ND	J	ND	
DDT	50-29-3	0.000009	0.00001	ND	J		0.00001	J	ND	
Dieldrin	60-57-1	0.000001		ND	J	0.00002	ND	J	ND	
Endrin	72-20-8	0.000007	0.00009	0.00004	J		ND	J	ND	
Toxaphene	8001-35-2	0.0004	0.0003	ND	J		ND	J	ND	
Endosulfan II	33213-65-9	0.000005	0.000006	ND	J		0.000009	J	ND	
Endosulfan I	959-98-8	0.000002	0.000003	ND	J		ND	J	ND	
Endosulfan Sulfate	1031-07-8	0.000003	0.000004	ND	J		0.000024	J	ND	
Endrin Aldehyde	7421-93-4	0.000005	0.000006	ND	J		0.000024	J	ND	
PCB-1016	12674-11-2	0.00004	0.00005	ND	J		ND	J	ND	
PCB-1221	11104-28-2	0.0001	0.0008	ND	J	0.0006	ND	J	ND	
PCB-1232	11141-16-5	0.00005	0.00006	ND	J		ND	J	ND	
PCB-1242	53469-21-9	0.0001		ND	J		ND	J	ND	
PCB-1248	12672-29-6	0.00004	0.00005	ND	J		ND	J	ND	
PCB-1254	11097-69-1	0.0001	0.0002	ND	J		ND	J	ND	
PCB-1260	11096-82-5	0.00004	0.00005	ND	J		ND	J	ND	
Methoxychlor	72-43-5	0.00002		ND	J		ND	J	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.

Table 4-4
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

		MP&A Sample ID		MW-3			MW-23 (b)		MW-4	
		Lab Sample Number		2677537			2677538		2677539	
		Date Collected		3/12/97			3/12/97		3/12/97	
Parameter	CAS Number	Method Detection Limit	Sample Specific MDL	Result	Notes	Sample Specific MDL	Result	Notes	Result	Notes
Semivolatiles										
acenaphthene	83-32-9	0.001		0.3	J		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	J		0.004	J	ND	
benzo (b) fluoranthene	205-99-2	0.002		0.005	J		0.003	J	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	J		ND		ND	
bis (2-chloroethoxy) methane	111-91-1	0.001		ND	J		ND		ND	
bis (2-chloroethyl) ether	111-44-4	0.001		ND			ND		ND	
bis (2-ethylhexyl) phthalate	117-81-7	0.002		0.007	J		0.0004	J	0.019	
4-bromophenyl phenyl ether	101-55-3	0.002		ND			ND		ND	
butyl benzyl phthalate	85-68-7	0.002		ND			ND		ND	
4-chloroaniline	106-47-8	0.002		ND	J		ND	J	ND	
4-chloro-3-methylphenol	59-50-7	0.002		ND	J		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	J		0.004	J	ND	
dibenzofuran	132-64-9	0.001		0.15			0.15		0.004	J
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	J		ND		ND	
diethyl phthalate	84-66-2	0.002		ND			ND		ND	
2,4-dimethylphenol	105-67-9	0.001		4.5	J		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.

Tab
Summary of Ground Water Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

				MP&A Sample ID	MW-3			MW-23 (b)		MW-4	
				Lab Sample Number	2677537			2677538		2677539	
				Date Collected	3/12/97			3/12/97		3/12/97	
Parameter	CAS Number	Method Detection Limit	Sample Specific MDL	Result	Notes	Sample Specific MDL	Result	Notes	Result	Notes
di-n-octyl phthalate	117-84-0	0.002		ND			ND		ND	
fluoranthene	206-44-0	0.001		0.034			0.02		ND	
fluorene	86-73-7	0.001		0.14			0.14		ND	
hexachlorobenzene	118-74-1	0.001		ND			ND		ND	
hexachlorobutadiene	87-68-3	0.001		ND	J		ND		ND	
hexachlorocyclopentadiene	77-47-4	0.003		ND			ND		ND	
hexachloroethane	67-72-1	0.002		ND			ND		ND	
indeno (1,2,3-cd) pyrene	193-39-5	0.002		ND			ND		ND	
isophorone	78-59-1	0.001		ND	J		ND		ND	
2-methylnaphthalene	91-57-6	0.001		1.1	J		0.99		ND	
naphthalene	91-20-3	0.001		5.8	J		11		0.018	
2-nitroaniline	88-74-4	0.001		ND			ND		ND	
3-nitroaniline	99-09-2	0.001		ND			ND		ND	
4-nitroaniline	100-01-6	0.002		ND			ND		ND	
nitrobenzene	98-95-3	0.001		ND	J		ND		ND	
2-nitrophenol	88-75-5	0.002		ND	J		ND		ND	
4-nitrophenol	100-02-7	0.005		ND			ND		ND	
N-nitrosodiphenylamine	86-30-6	0.002		ND			ND		ND	
N-nitrosodi-n-propylamine	621-64-7	0.002		ND			ND		ND	
pentachlorophenol	87-86-5	0.001		ND			ND		ND	
phenanthrene	85-01-8	0.001		0.13			0.12		ND	
phenol	108-95-2	0.001		0.32	J		0.36		ND	
pyrene	129-00-0	0.001		0.023			0.014		ND	
1,2,4-trichlorobenzene	120-82-1	0.001		ND	J		ND		ND	
2,4,5-trichlorophenol	95-95-4	0.001		ND			ND		ND	
2,4,6-trichlorophenol	88-06-2	0.001		ND			ND		ND	
2-methylphenol	95-48-7	0.002		1.3			1.2		ND	
2,2'oxybis (1-chloropropane)	108-60-1	0.002		ND			ND		ND	
4-methylphenol	106-44-5	0.002		1.8			2		ND	
4,6-dinitro-2-methylphenol	534-52-1	0.005		ND	R		ND	R	ND	R
carbazole	86-74-8	0.001		0.38	J		0.39		ND	
Total cyanide	57-12-5	0.000004		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.

Table 4-5
Summary of Surface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	SS-11		SS-6		SS-8		SS-9		SS-4		SS-10		SS-7	
	Lab Sample Number	2677435		2677436		2677439		2677440		2677441		2677442		2677443	
	Date Collected	3/13/97		3/13/97		3/13/97		3/13/97		3/13/97		3/13/97		3/13/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
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-nitrosodi-n-propylamine	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	ND		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	0.16	J	ND		1.1		0.4		0.54		3.5		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	J	ND	J	ND	J	ND	J	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	ND		ND		ND		ND		ND		0.17	J	ND	
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	ND		ND		0.14	J	0.045	J	ND		0.49		ND	
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		0.045	J	ND	
4-chlorophenyl phenyl ether	7005-72-3	0.067	ND		ND		ND		ND		ND		ND		ND	
diethyl phthalate	84-66-2	0.067	ND		ND		ND		ND		ND		ND		ND	
N-nitrosodiphenylamine	86-30-6	0.067	ND		ND		ND		ND		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	ND		ND		0.063	J	ND		0.068	J	0.43		ND	
anthracene	120-12-7	0.033	ND		ND		0.11	J	0.06	J	ND		0.53		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.

Table 3
Summary of Surface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	SS-11		SS-6		SS-8		SS-9		SS-4		SS-10		SS-7	
	Lab Sample Number	2677435		2677436		2677439		2677440		2677441		2677442		2677443	
	Date Collected	3/13/97		3/13/97		3/13/97		3/13/97		3/13/97		3/13/97		3/13/97	
Parameter	CAS Number	Method Detection Limit	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	
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	
chrysene	218-01-9	0.033	0.11	J	ND		0.85		0.21	J	0.36		3.4		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	
benzo (k) fluoranthene	207-08-9	0.13	ND		ND		0.53		0.25	J	0.34		2.3		ND	
benzo (a) pyrene	50-32-8	0.067	0.084	J	ND		0.65		0.33	J	0.21	J	2.4		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	
dibenz (a,h) anthracene	53-70-3	0.067	ND		ND		0.15	J	ND		0.072	J	0.64		ND	
benzo (ghi) perylene	191-24-2	0.067	ND		ND		0.42		0.17	J	0.2	J	1.8		ND	
2-methylphenol	95-48-7	0.067	ND		ND		ND		ND		ND		ND		ND	
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	ND		ND		ND		ND		ND		ND		ND	
4-methylphenol	106-44-5	0.1	ND		ND		ND		ND		ND		ND		ND	
4-chloroaniline	106-47-8	0.1	ND		ND		ND		ND		ND		ND		ND	
2-methylnaphthalene	91-57-6	0.033	ND		ND		ND		ND		ND		0.16	J	ND	
2,4,5-trichlorophenol	95-95-4	0.067	ND		ND		ND		ND		ND		ND		ND	
2-nitroaniline	88-74-4	0.067	ND		ND		ND		ND		ND		ND		ND	
3-nitroaniline	99-09-2	0.067	ND		ND		ND		ND		ND		ND		ND	
dibenzofuran	132-64-9	0.033	ND		ND		ND		ND		ND		0.098	J	ND	
2,6-dinitrotoluene	606-20-2	0.067	ND		ND		ND		ND		ND		ND		ND	
4-nitroaniline	100-01-6	0.1	ND		ND		ND		ND		ND		ND		ND	
4,6-dinitro-2-methylphenol	534-52-1	0.17	ND	R	ND	R	ND	R	ND	R	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.

Table 4-5
Summary of Surface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	SS-27 (a)		SS-5		SS-12		SS-3		SS-1		SS-15		SS-14	
	Lab Sample Number	2677446		2677444		2677445		2677447		2678197		2678198		2678199	
	Date Collected	3/13/97		3/13/97		3/13/97		3/13/97		3/14/97		3/14/97		3/14/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
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-nitrosodi-n-propylamine	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	ND		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	ND		0.098	J	0.48		0.64		0.83		0.12	J	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	ND		ND		ND		ND		ND		ND		ND	
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	ND		ND		ND		0.037	J	ND		ND		ND	
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	ND		ND		ND		ND		ND		ND		ND	
diethyl phthalate	84-66-2	0.067	ND		ND		ND		ND		ND		ND		ND	
N-nitrosodiphenylamine	86-30-6	0.067	ND		ND		ND		ND		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	ND		ND		0.087	J	0.091	J	ND		ND		ND	
anthracene	120-12-7	0.033	ND		ND		ND		0.041	J	0.067	J	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.

Table
Summary of Surface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	SS-27 (a)		SS-5		SS-12		SS-3		SS-1		SS-15		SS-14	
	Lab Sample Number	2677446		2677444		2677445		2677447		2678197		2678198		2678199	
	Date Collected	3/13/97		3/13/97		3/13/97		3/13/97		3/14/97		3/14/97		3/14/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
di-n-butyl phthalate	84-74-2	0.033	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	0.033	ND		0.072	J	0.39		0.42		0.48		0.12	J	ND	
butyl benzyl phthalate	85-68-7	0.067	ND		ND		ND		ND		ND		ND		ND	
benzo (a) anthracene	56-55-3	0.033	ND		0.044	J	0.22	J	0.4		0.54		0.056	J	ND	
chrysene	218-01-9	0.033	ND		0.078	J	0.32	J	0.62		0.93		0.11	J	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		0.23	J
di-n-octyl phthalate	117-84-0	0.067	ND		ND		ND		ND		ND		ND		ND	
benzo (b) fluoranthene	205-99-2	0.067	ND		0.13	J	0.54		1.2		2.2		0.19	J	ND	
benzo (k) fluoranthene	207-08-9	0.13	ND		ND		0.19	J	0.43		0.65		ND		ND	
benzo (a) pyrene	50-32-8	0.067	ND		ND		0.21	J	0.42		0.41		ND		ND	
indeno (1,2,3-cd) pyrene	193-39-5	0.067	ND		ND		0.25	J	0.47		0.46		0.086	J	ND	
dibenz (a,h) anthracene	53-70-3	0.067	ND		ND		ND		0.14	J	0.16	J	ND		ND	
benzo (ghi) perylene	191-24-2	0.067	ND		ND		0.2	J	0.34		0.24	J	0.08	J	ND	
2-methylphenol	95-48-7	0.067	ND		ND		ND		ND		ND		ND		ND	
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	ND		ND		ND		ND		ND		ND		ND	
4-methylphenol	106-44-5	0.1	ND		ND		ND		ND		ND		ND		ND	
4-chloroaniline	106-47-8	0.1	ND		ND		ND		ND		ND		ND		ND	
2-methylnaphthalene	91-57-6	0.033	ND		ND		ND		ND		ND		ND		ND	
2,4,5-trichlorophenol	95-95-4	0.067	ND		ND		ND		ND		ND		ND		ND	
2-nitroaniline	88-74-4	0.067	ND		ND		ND		ND		ND		ND		ND	
3-nitroaniline	99-09-2	0.067	ND		ND		ND		ND		ND		ND		ND	
dibenzofuran	132-64-9	0.033	ND		ND		ND		ND		ND		ND		ND	
2,6-dinitrotoluene	606-20-2	0.067	ND		ND		ND		ND		ND		ND		ND	
4-nitroaniline	100-01-6	0.1	ND		ND		ND		ND		ND		ND		ND	
4,6-dinitro-2-methylphenol	534-52-1	0.17	ND		ND		ND		ND		ND		ND		ND	
carbazole	86-74-8	0.033	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.

Tab
Summary of Surface Soil Analytical Results

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

		MP&A Sample ID	SS-13		SS-18		SS-2		SS-17		SS-16	
		Lab Sample Number	2678200		2678201		2678202		2678203		2678204	
		Date Collected	3/14/97		3/14/97		3/14/97		3/14/97		3/14/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
TCL Semivolatiles												
phenol	108-95-2	0.033	ND		ND		ND		ND		ND	
2-chlorophenol	95-57-8	0.033	ND		ND		ND		ND		ND	
1,4-dichlorobenzene	106-46-7	0.033	ND		ND		ND		ND		ND	
N-nitrosodi-n-propylamine	621-64-7	0.067	ND		ND		ND		ND		ND	
1,2,4-trichlorobenzene	120-82-1	0.033	ND		ND		ND		ND		ND	
4-chloro-3-methylphenol	59-50-7	0.067	ND		ND		ND		ND		ND	
acenaphthene	83-32-9	0.033	ND		0.047	J	ND		ND		ND	
4-nitrophenol	100-02-7	0.17	ND		ND		ND		ND		ND	
2,4-dinitrotoluene	121-14-2	0.067	ND		ND		ND		ND		ND	
pentachlorophenol	87-86-5	0.17	ND		ND		ND		ND		ND	
pyrene	129-00-0	0.067	1.8		2.4		0.2	J	1		0.95	
2-nitrophenol	88-75-5	0.067	ND		ND		ND		ND		ND	
2,4-dimethylphenol	105-67-9	0.067	ND		ND		ND		ND		ND	
2,4-dichlorophenol	120-83-2	0.033	ND		ND		ND		ND		ND	
2,4,6-trichlorophenol	88-06-2	0.067	ND		ND		ND		ND		ND	
2,4-dinitrophenol	51-28-5	0.17	ND		ND		ND		ND		ND	
bis (2-chloroethyl) ether	111-44-4	0.067	ND		ND		ND		ND		ND	
1,3-dichlorobenzene	541-73-1	0.033	ND		ND		ND		ND		ND	
1,2-dichlorobenzene	95-50-1	0.033	ND		ND		ND		ND		ND	
hexachloroethane	67-72-1	0.067	ND		ND		ND		ND		ND	
nitrobenzene	98-95-3	0.033	ND		ND		ND		ND		ND	
isophorone	78-59-1	0.067	ND		ND		ND		ND		ND	
bis (2-chloroethoxy) methane	111-91-1	0.033	ND		ND		ND		ND		ND	
naphthalene	91-20-3	0.033	ND		0.047	J	ND		ND		0.16	J
hexachlorobutadiene	87-68-3	0.067	ND		ND		ND		ND		ND	
hexachlorocyclopentadiene	77-47-4	0.17	ND		ND		ND		ND		ND	
2-chloronaphthalene	91-58-7	0.033	ND		ND		ND		ND		ND	
acenaphthylene	208-96-8	0.033	0.088	J	0.23	J	ND		0.12	J	0.17	J
dimethyl phthalate	131-11-3	0.033	ND		ND		ND		ND		ND	
fluorene	86-73-7	0.033	ND		0.088	J	ND		ND		ND	
4-chlorophenyl phenyl ether	7005-72-3	0.067	ND		ND		ND		ND		ND	
diethyl phthalate	84-66-2	0.067	ND		ND		ND		ND		ND	
N-nitrosodiphenylamine	86-30-6	0.067	ND		0.082	J	ND		ND		ND	
4-bromophenyl phenyl ether	101-55-3	0.1	ND		ND		ND		ND		ND	
hexachlorobenzene	118-74-1	0.1	ND		ND		ND		ND		ND	
phenanthrene	85-01-8	0.033	0.17	J	1.3		0.037	J	0.13	J	0.25	J
anthracene	120-12-7	0.033	0.12	J	0.22	J	ND		0.12	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 Creosoting Site
Hattiesburg, Mississippi

	MP&A Sample ID	SS-13		SS-18		SS-2		SS-17		SS-16	
	Lab Sample Number	2678200		2678201		2678202		2678203		2678204	
	Date Collected	3/14/97		3/14/97		3/14/97		3/14/97		3/14/97	
Parameter	CAS Number	Method Detection Limit	Result	Notes	Result	Notes	Result	Notes	Result	Notes	Result	Notes
di-n-butyl phthalate	84-74-2	0.033	0.036	J	0.1	J	0.059	J	0.099	J	0.11	J
fluoranthene	206-44-0	0.033	1.4		3.2		0.066	J	0.68		0.78	
butyl benzyl phthalate	85-68-7	0.067	ND		ND		ND		ND		ND	
benzo (a) anthracene	56-55-3	0.033	1.1		1.1		0.041	J	0.54		0.49	
chrysene	218-01-9	0.033	1.7		1.7		0.062	J	0.8		0.87	
3,3'-dichlorobenzidine	91-94-1	0.13	ND		ND		ND		ND		ND	
bis (2-ethylhexyl) phthalate	117-81-7	0.067	ND		0.078	J	ND		ND		ND	
di-n-octyl phthalate	117-84-0	0.067	ND		ND		ND		ND		ND	
benzo (b) fluoranthene	205-99-2	0.067	3.9		2.1		0.11	J	1.2		1.4	
benzo (k) fluoranthene	207-08-9	0.13	1.2		0.8		ND		0.47		0.49	
benzo (a) pyrene	50-32-8	0.067	1.4		0.99		0.22	J	0.56		0.71	
indeno (1,2,3-cd) pyrene	193-39-5	0.067	0.95		0.7		0.096	J	0.47		0.6	
dibenz (a,h) anthracene	53-70-3	0.067	0.28	J	0.21	J	ND		0.14	J	0.16	J
benzo (ghi) perylene	191-24-2	0.067	0.7		0.75		0.74		0.68		1.2	
2-methylphenol	95-48-7	0.067	ND		ND		ND		ND		ND	
2,2'-oxybis (1-chloropropane)	108-60-1	0.1	ND		ND		ND		ND		ND	
4-methylphenol	106-44-5	0.1	ND		ND		ND		ND		ND	
4-chloroaniline	106-47-8	0.1	ND		ND		ND		ND		ND	
2-methylnaphthalene	91-57-6	0.033	ND		0.05	J	ND		ND		0.23	J
2,4,5-trichlorophenol	95-95-4	0.067	ND		ND		ND		ND		ND	
2-nitroaniline	88-74-4	0.067	ND		ND		ND		ND		ND	
3-nitroaniline	99-09-2	0.067	ND		ND		ND		ND		ND	
dibenzofuran	132-64-9	0.033	ND		0.075	J	ND		0.036	J	0.093	J
2,6-dinitrotoluene	606-20-2	0.067	ND		ND		ND		ND		ND	
4-nitroaniline	100-01-6	0.1	ND		ND		ND		ND		ND	
4,6-dinitro-2-methylphenol	534-52-1	0.17	ND		ND		ND		ND		ND	
carbazole	86-74-8	0.033	0.061	J	0.28	J	ND		0.046	J	0.11	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

SOIL SAMPLE DATA SUMMARY
PHASE II REMEDIAL INVESTIGATION

Gulf Coast Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier: GEO-03 (2' - 3')	GEO-03 (5' - 6')	GEO-03 (5' - 6') Duplicate[m]	GEO-10 (2' - 3')	GEO-10 (5' - 6')	GEO-13 (0' - 1')	GEO-13 (2' - 3')	GEO-13 (5' - 6')
TCL Semivolatile Organics [b]										
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	ND (0.036) U	ND (0.039) U	ND (0.038) U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	ND (0.036) U	ND (0.039) U	ND (0.038) U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	ND (0.036) U	ND (0.039) U	ND (0.038) U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	ND (0.036) U	ND (0.039) U	ND (0.038) U
2,2'-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) 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	95-95-4	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.21) U	ND (0.22) U	ND (0.22) U	ND (0.22) U	ND (0.22) U	ND (0.21) U	ND (0.23) U	ND (0.22) U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) 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 (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
3-nitroaniline	99-09-2	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.18) U	ND (0.19) U	ND (0.19) U	ND (0.19) 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 (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
4-chloroaniline	106-47-8	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) 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 (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
4-nitrophenol	100-02-7	mg/kg	ND (0.18) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.18) U	ND (0.2) U	ND (0.19) U
acenaphthene	83-32-9	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	0.049 (0.036) J	ND (0.039) U	ND (0.038) U
acenaphthylene	208-96-8	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	1.3 (0.036)	ND (0.039) U	ND (0.038) U
anthracene	120-12-7	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	1.6 (0.036)	ND (0.039) U	ND (0.038) U
benzo (a) anthracene	56-55-3	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	6.7 (0.18)	0.041 (0.039) J	ND (0.038) U
benzo (a) pyrene	50-32-8	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	5.2 (0.18)	ND (0.039) U	ND (0.038) U
benzo (b) fluoranthene	205-99-2	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	0.4 (0.038)	0.39 (0.038)	9.2 (0.18)	0.45 (0.039)	ND (0.038) U
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	2.3 (0.036)	ND (0.039) U	ND (0.038) U
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	0.33 (0.038) J	0.33 (0.038) J	3.6 (0.036)	0.35 (0.039) J	ND (0.038) U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) 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 (0.037) U	ND (0.038) 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 (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	0.37 (0.076) J (d)
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
carbazole	86-74-8	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) 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) UJ	ND (0.037) UJ	ND (0.038) U	ND (0.038) UJ	ND (0.038) UJ	8 (0.18)	0.051 (0.039) J	ND (0.038) UJ
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) 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 (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	0.91 (0.036)	ND (0.039) U	ND (0.038) U
dibenzofuran	132-64-9	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) 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 (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
dimethyl phthalate	131-11-3	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.072) U	ND (0.078) U	ND (0.076) U
fluoranthene	206-44-0	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	12 (0.18)	0.05 (0.039) J	ND (0.038) U
fluorene	86-73-7	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	0.37 (0.036)	0.33 (0.039) J	ND (0.038) U
hexachlorobenzene	118-74-1	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	ND (0.036) U	ND (0.039) U	ND (0.038) U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.073) U	ND (0.075) U	ND (0.075) U	ND (0.076) U	ND (0.076) 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 (0.19) U	ND (0.19) U	ND (0.18) U	ND (0.2) U	ND (0.19) U
hexachloroethane	67-72-1	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	3.7 (0.036)	ND (0.039) U	ND (0.038) U
isophorone	78-59-1	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	ND (0.036) U	ND (0.039) U	ND (0.038) U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	ND (0.036) U	ND (0.039) U	ND (0.038) U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) 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 (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	ND (0.036) U	ND (0.039) U	ND (0.038) U
pentachlorophenol	87-86-5	mg/kg	ND (0.18) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.18) U	ND (0.2) U	ND (0.19) U
phenanthrene	85-01-8	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	0.74 (0.036)	ND (0.039) U	ND (0.038) U
phenol	108-95-2	mg/kg	ND (0.073) U	0.19 (0.075) J	0.26 (0.075) J	ND (0.076) U	0.11 (0.076) J	ND (0.072) U	ND (0.078) U	ND (0.076) U
pyrene	129-00-0	mg/kg	ND (0.037) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.038) U	14 (0.18)	0.068 (0.039) J	ND (0.038) U
Other Parameters										
Moisture Content[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)	12.5 (0.08)

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.
(a) Listed on chain-of-custody documentation as sample GEO-34/2'-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 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: GEO-16 (2' - 3')	GEO-16 (5' - 6')	GEO-17 (2' - 3')	GEO-17 (5' - 6')	GEO-17 (5' - 6') Duplicate[a]
TCL Semivolatile Organics[b]							
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.038) U	ND (0.04) 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 (0.04) 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 (0.04) 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 (0.04) 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 (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.076) U	ND (0.079) 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 (0.075) 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 (0.075) 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 (0.075) U	ND (0.077) U	ND (0.075) U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.22) U	ND (0.23) UJ	ND (0.22) UJ	ND (0.22) UJ	ND (0.22) U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.076) U	ND (0.079) U	ND (0.075) 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 (0.037) 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 (0.037) 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 (0.037) 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 (0.037) 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 (0.037) 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 (0.037) U	ND (0.038) U	ND (0.038) U
2-nitrophenol	88-75-5	mg/kg	ND (0.076) U	ND (0.079) U	ND (0.075) 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 (0.075) 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 (0.075) 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 (0.075) 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	ND (0.19) U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.076) U	ND (0.079) U	ND (0.075) 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 (0.075) 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 (0.037) 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 (0.037) 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 (0.075) 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	ND (0.19) U
acenaphthene	83-32-9	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
acenaphthylene	208-96-8	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
anthracene	120-12-7	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) 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 (0.037) 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 (0.037) 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 (0.037) 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 (0.037) 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 (0.037) 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 (0.075) 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 (0.037) 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 (0.075) 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 (0.075) U	ND (0.077) U	ND (0.075) U
carbazole	86-74-8	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) 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) UJ	ND (0.038) U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.076) U	ND (0.079) U	ND (0.075) 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 (0.075) 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 (0.037) U	ND (0.038) U	ND (0.038) U
dibenzofuran	132-64-9	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) 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 (0.075) 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 (0.075) U	ND (0.077) U	ND (0.075) U
fluoranthene	206-44-0	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
fluorene	86-73-7	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
hexachlorobenzene	118-74-1	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.076) U	ND (0.079) U	ND (0.075) U	ND (0.038) U	ND (0.038) R
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19) U	ND (0.2) U	ND (0.19) U	ND (0.077) U	ND (0.075) U
hexachloroethane	67-72-1	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.19) U	ND (0.19) U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
isophorone	78-59-1	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) 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 (0.037) U	ND (0.038) U	ND (0.038) U
naphthalene	91-20-3	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
nitrobenzene	98-95-3	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) 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	ND (0.19) U
phenanthrene	85-01-8	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) U	ND (0.038) U	ND (0.038) U
phenol	108-95-2	mg/kg	ND (0.076) U	ND (0.079) U	0.096 (0.075) J	0.19 (0.077) J	0.27 (0.075) J
pyrene	129-00-0	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.037) 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 quantitiation is estimated due to limitiations 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: GEO-18 (2' - 3')	GEO-18 (5' - 6')	GEO-19 (0' - 1')	GEO-19 (2' - 3')	GEO-19 (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 (0.073) 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 (0.073) 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 (0.073) U	ND (0.075) U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.076) U	ND (0.076) U	0.25 (0.074) J	ND (0.073) 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 (0.21) 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 (0.073) 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)	0.062 (0.037) J	0.38 (0.038)
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 (0.073) 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 (0.073) 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 (0.073) 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 (0.073) 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 (0.073) U	ND (0.075) U
4-chloroaniline	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 (0.073) 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)	0.097 (0.037) J	1.4 (0.038)
acenaphthylene	208-96-8	mg/kg	ND (0.038) U	ND (0.038) U	14 (0.37)	0.69 (0.037)	0.083 (0.038) J
anthracene	120-12-7	mg/kg	ND (0.038) U	ND (0.038) U	25 (0.37)	1.6 (0.037)	1.5 (0.038)
benzo (a) anthracene	56-55-3	mg/kg	ND (0.038) U	ND (0.038) U	63 (1.1)	3 (0.037)	0.81 (0.038)
benzo (a) pyrene	50-32-8	mg/kg	ND (0.038) U	ND (0.038) U	56 (0.37)	2.4 (0.037)	0.29 (0.038) J
benzo (b) fluoranthene	205-99-2	mg/kg	ND (0.038) U	ND (0.038) U	93 (1.1)	4.4 (0.037)	0.37 (0.038) J
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.038) U	ND (0.038) U	24 (0.37)	1 (0.037)	0.065 (0.038) J
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.038) U	ND (0.038) U	32 (0.37)	1.5 (0.037)	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) U	5.9 (0.37)	0.4 (0.037)	0.49 (0.038)
chrysene	218-01-9	mg/kg	ND (0.038) UJ	ND (0.038) UJ	66 (1.1)	3.3 (0.037)	0.61 (0.038)
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)	0.37 (0.037)	ND (0.038) U
dibenzofuran	132-64-9	mg/kg	ND (0.038) U	ND (0.038) U	0.75 (0.037)	0.078 (0.037) J	1.6 (0.038)
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	110 (1.1)	5.9 (0.037)	3.3 (0.038)
fluorene	86-73-7	mg/kg	ND (0.038) U	ND (0.038) U	1.4 (0.037)	0.14 (0.037) J	2.2 (0.038)
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	32 (0.37)	1.3 (0.037)	0.094 (0.038) J
isophorone	78-59-1	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	ND (0.037) U	ND (0.038) U
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	0.77 (0.037)	0.076 (0.037) J	0.4 (0.038)
nitrobenzene	98-95-3	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	ND (0.037) U	ND (0.038) U
pentachlorophenol	87-86-5	mg/kg	ND (0.19) U	ND (0.19) U	ND (0.18) U	ND (0.18) U	ND (0.19) U
phenanthrene	85-01-8	mg/kg	ND (0.038) U	ND (0.038) U	7.7 (0.37)	0.56 (0.037)	7.6 (0.075)
phenol	108-95-2	mg/kg	ND (0.076) U	0.22 (0.076) J	ND (0.074) U	ND (0.073) U	ND (0.075) U
pyrene	129-00-0	mg/kg	ND (0.038) U	ND (0.038) U	140 (1.1)	7.9 (0.073)	2.2 (0.038)
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 quantitiation is estimated due to limitiations 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: GEO-20 (0' - 1')	GEO-20 (2' - 3')	GEO-20 (5' - 6')	GEO-20 (9' - 10')	GEO-21 (0' - 1')	GEO-21 (2' - 3')	GEO-21 (5' - 6')	GEO-21 (9' - 10')
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
2,2'-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.2)	ND (0.04) U	ND (0.19) UJ	ND (0.037) UJ	ND (5) UJ	ND (2.6) UJ	ND (0.038) UJ	ND (0.04) UJ
2,4,5-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	88-06-2	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	0.079 (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	91-58-7	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	120 (1.9)	63 (1.9)	280 (5)	1500 (26)	0.1 (0.038) J	0.44 (0.04)
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-nitroaniline	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	91-94-1	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	99-09-2	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
4,6-dinitro-2-methylphenol	534-52-1	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	59-50-7	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
acenaphthene	83-32-9	mg/kg	ND (0.2)	ND (0.04) U	100 (1.9)	53 (1.9)	190 (5)	1200 (26)	0.2 (0.038) J	0.47 (0.04)
acenaphthylene	208-96-8	mg/kg	1.4 (0.2) J	ND (0.04) U	2.9 (0.19)	1.6 (0.037)	47 (5) J	50 (2.6)	ND (0.038) U	ND (0.04) U
anthracene	120-12-7	mg/kg	2.1 (0.2)	ND (0.04) U	43 (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	30 (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	5.6 (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)	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)	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-ethylhexyl) 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	24 (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	290 (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)	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)
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)	1.1 (0.04)
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)
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
hexachlorobutadiene	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
hexachloroethane	67-72-1	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)	120 (5)	81 (2.6)	0.04 (0.038) J	0.047 (0.04) J
isophorone	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
N-nitroso-di-n-propylamine	621-64-7	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
N-nitrosodiphenylamine	86-30-6	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	240 (1.9)	150 (1.9)	490 (5)	3500 (26)	0.15 (0.038) J	0.86 (0.04)
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)	2.2 (0.04)
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)	0.7 (0.04)
Other Parameters										
Moisture Content [b]	N.A.	wt. %	18.1 (0.08)	16.0 (0.08)	12.7 (0.08)	11.1 (0.08)	16.0 (0.08)	35.1 (0.08)	13.2 (0.08)	16.4 (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).

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															
			GEO-22						GEO-23									
			(0' - 1')			(2' - 3')			(5' - 6')			(0' - 1')			(2' - 3')			(5' - 6')	
TCL Semivolatile Organics [a]																		
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND	(0.034)	U	ND	(0.041)	U	ND	(0.039)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	ND	(0.041)	UJ	ND	(0.039)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	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)		ND	(0.039)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	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)	UJ	ND	(0.072)	U	ND	(0.08)	U	ND (0.08) U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND	(0.17)	U	ND	(0.2)	U	ND	(0.2)	UJ	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)	UJ	ND	(0.072)	U	ND	(0.08)	U	ND (0.08) U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND	(0.069)	U	ND	(0.082)	U	ND	(0.078)	UJ	ND	(0.072)	U	ND	(0.08)	U	ND (0.08) U
4-chloroaniline	106-47-8	mg/kg	ND	(0.034)	U	ND	(0.041)	U	ND	(0.039)	UJ	ND	(0.036)	U	ND	(0.04)	U	ND (0.04) U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND	(0.034)	U	ND	(0.041)	U	ND	(0.039)	UJ	ND	(0.036)	U	ND	(0.04)	U	ND (0.04) U
4-nitroaniline	100-01-6	mg/kg	ND	(0.069)	U	ND	(0.082)	U	ND	(0.078)	UJ	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)	UJ	ND	(0.18)	U	ND	(0.2)	U	ND (0.2) U
acenaphthene	83-32-9	mg/kg	ND	(0.034)	U	0.35	(0.041)	J	ND	(0.039)	UJ	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)		ND	(0.039)	UJ	0.11	(0.036)	J	ND	(0.04)	U	ND (0.04) U
anthracene	120-12-7	mg/kg	0.21	(0.034)	J	3.4	(0.041)		0.078	(0.039)	J	0.11	(0.036)	J	0.15	(0.04)	J	ND (0.04) U
benzo (a) anthracene	56-55-3	mg/kg	0.39	(0.034)		4.5	(0.041)		ND	(0.039)	UJ	0.35	(0.036)	J	0.084	(0.04)	J	ND (0.04) U
benzo (a) pyrene	50-32-8	mg/kg	0.39	(0.034)		6.1	(0.2)		0.048	(0.039)	J	0.37	(0.036)		0.073	(0.04)	J	ND (0.04) U
benzo (b) fluoranthene	205-99-2	mg/kg	0.72	(0.034)		16	(0.2)	(c)	0.076	(0.039)	J	0.82	(0.036)	(c)	0.15	(0.04)	J (c)	ND (0.04) U
benzo (ghi) perylene	191-24-2	mg/kg	0.28	(0.034)	J	3.8	(0.041)		0.045	(0.039)	J	0.32	(0.036)	J	0.055	(0.04)	J	ND (0.04) U
benzo (k) fluoranthene	207-08-9	mg/kg	0.21	(0.034)	J	ND	(0.041)	U (c)	ND	(0.039)	UJ	ND	(0.036)	U (c)	ND	(0.04)	U (c)	ND (0.04) U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND	(0.069)	U	ND	(0.082)	U	ND	(0.078)	UJ	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)	UJ	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)	UJ	0.11	(0.072)	J (d)	ND	(0.08)	U	ND (0.08) U
butyl benzyl phthalate	85-68-7	mg/kg	0.15	(0.069)	J (d)	ND	(0.082)	U	ND	(0.078)	UJ	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)	UJ	ND	(0.036)	U	ND	(0.04)	U	ND (0.04) U
chrysene	218-01-9	mg/kg	0.44	(0.034)		6.9	(0.2)		0.049	(0.039)	J	0.44	(0.036)		0.092	(0.04)	J	ND (0.04) U
di-n-butyl phthalate	84-74-2	mg/kg	ND	(0.069)	U	ND	(0.082)	U	ND	(0.078)	UJ	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)	UJ	ND	(0.072)	U	ND	(0.08)	U	ND (0.08) U
dibenz (a,h) anthracene	53-70-3	mg/kg	0.084	(0.034)	J	1.5	(0.041)		ND	(0.039)	UJ	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)		ND	(0.039)	UJ	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)	UJ	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)	UJ	ND	(0.072)	U	ND	(0.08)	U	ND (0.08) U
fluoranthene	206-44-0	mg/kg	0.71	(0.034)		5.6	(0.2)		0.065	(0.039)	J	0.51	(0.036)		0.2	(0.04)	J	ND (0.04) U
fluorene	86-73-7	mg/kg	0.038	(0.034)	J	0.66	(0.041)	V	0.042	(0.039)	J	ND	(0.036)	U	0.054	(0.04)	J	ND (0.04) U
hexachlorobenzene	118-74-1	mg/kg	ND	(0.034)	U	ND	(0.041)	U	ND	(0.039)	UJ	ND	(0.036)	U	ND	(0.04)	U	ND (0.04) U
hexachlorobutadiene	87-68-3	mg/kg	ND	(0.069)	U	ND	(0.082)	U	ND	(0.078)	UJ	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)	UJ	ND	(0.18)	U	ND	(0.2)	U	ND (0.2) U
hexachloroethane	67-72-1	mg/kg	ND	(0.034)	U	ND	(0.041)	U	ND	(0.039)	UJ	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)		0.056	(0.039)	J	0.35	(0.036)	J	0.057	(0.04)	J	ND (0.04) U
isophorone	78-59-1	mg/kg	ND	(0.034)	U	ND	(0.041)	U	ND	(0.039)	UJ	ND	(0.036)	U	ND	(0.04)	U	ND (0.04) U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND	(0.034)	U	ND	(0.041)	U	ND	(0.039)	UJ	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)	UJ	ND	(0.036)	U	0.061	(0.04)	J	ND (0.04) U
naphthalene	91-20-3	mg/kg	0.095	(0.034)	J	3.7	(0.041)		ND	(0.039)	UJ	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)	UJ	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)	UJ	ND	(0.18)	U	ND	(0.2)	U	ND (0.2) U
phenanthrene	85-01-8	mg/kg	0.39	(0.034)		2.5	(0.041)		0.064	(0.039)	J	0.18	(0.036)	J	0.27	(0.04)	J	ND (0.04) U
phenol	108-95-2	mg/kg	ND	(0.069)	U	ND	(0.082)	U	ND	(0.078)	UJ	ND	(0.072)	U	ND	(0.08)	U	ND (0.08) U
pyrene	129-00-0	mg/kg	0.61	(0.034)		8.4	(0.2)		0.092	(0.039)	J	0.5	(0.036)		0.16	(0.04)	J	ND (0.04) U
Other Parameters																		
Moisture Content [b]	N.A.	wt. %	3.35	(0.08)		18.3	(0.08)		15	(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 160.3 (*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.

(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 quantitiation is estimated due to limitiations 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: GEO-24 (0' - 1')	GEO-24 (2' - 3')	GEO-24 (5' - 6')	GEO-25 (0' - 1')	GEO-25 (2' - 3')	GEO-25 (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 (0.038) U	ND (0.038) U	ND (0.039) U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.038) U	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 (0.038) 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 (0.038) 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 (0.038) 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 (0.077) 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 (0.077) 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 (0.077) 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 (0.077) 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 (0.22) U	ND (0.23) U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.077) U	ND (0.077) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.078) U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.038) U	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 (0.038) 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 (0.038) 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 (0.038) 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 (0.038) 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 (0.038) 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 (0.077) 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 (0.077) 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 (0.077) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.078) U
3-nitroaniline	99-09-2	mg/kg	ND (0.077) U	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	ND (0.19) U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.077) U	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 (0.077) 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 (0.038) 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 (0.038) 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 (0.077) 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	ND (0.19) U
acenaphthene	83-32-9	mg/kg	ND (0.038) U	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 (0.038) 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 (0.038) U	ND (0.037) U	0.054 (0.038) J	ND (0.038) U	ND (0.039) U
benzo (a) anthracene	56-55-3	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	0.13 (0.038) J	ND (0.038) U	ND (0.039) U
benzo (a) pyrene	50-32-8	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	0.2 (0.038) J	ND (0.038) U	ND (0.039) U
benzo (b) fluoranthene	205-99-2	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	0.47 (0.038) (c)	0.039 (0.038) J (c)	ND (0.039) U
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	0.12 (0.038) J	ND (0.038) U	ND (0.039) U
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	ND (0.038) U (c)	ND (0.038) U (c)	ND (0.039) U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.077) U	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 (0.038) 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 (0.077) 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 (0.077) U	ND (0.075) U	ND (0.076) U	ND (0.076) U	ND (0.078) U
carbazole	86-74-8	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.039) U
chrysene	218-01-9	mg/kg	ND (0.038) U	ND (0.038) U	ND (0.037) U	0.18 (0.038) J	ND (0.038) U	ND (0.039) U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.077) U	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 (0.077) 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 (0.038) 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 (0.038) 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 (0.077) 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 (0.077) 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	0.058 (0.038) J	ND (0.037) U	0.1 (0.038) J	ND (0.038) U	ND (0.039) U
fluorene	86-73-7	mg/kg	ND (0.038) U	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 (0.038) 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 (0.077) 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	ND (0.19) U
hexachloroethane	67-72-1	mg/kg	ND (0.038) U	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 (0.038) U	ND (0.037) U	0.15 (0.038) J	ND (0.038) U	ND (0.039) U
isophorone	78-59-1	mg/kg	ND (0.038) U	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 (0.038) 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 (0.038) 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 (0.038) 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 (0.038) U	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.039) U
pentachlorophenol	87-86-5	mg/kg	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.19) U
phenanthrene	85-01-8	mg/kg	ND (0.038) U	0.049 (0.038) J	ND (0.037) U	ND (0.038) U	ND (0.038) U	ND (0.039) U
phenol	108-95-2	mg/kg	ND (0.077) U	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	0.041 (0.038) J	ND (0.037) U	0.17 (0.038) J	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 quantitiation is estimated due to limitiations 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: GEO-26 (0' - 1')	GEO-26 (2' - 3')	GEO-26 (5' - 6')	GEO-27 (0' - 1')	GEO-27 (2' - 3')	GEO-27 (5' - 6')	GEO-27 (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 (0.039) U	ND (0.037) U	ND (0.036) 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 (0.039) 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 (0.039) 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 (0.039) U	ND (0.037) U	ND (0.036) U	ND (0.037) U	ND (36) U
2,2'-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.039) U	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-trichlorophenol	95-95-4	mg/kg	ND (0.078) U	ND (0.079) 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 (0.079) 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 (0.079) 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 (0.079) 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 (0.23) 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 (0.078) U	ND (0.079) U	ND (0.078) 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 (0.039) 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 (0.039) 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 (0.039) 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 (0.039) 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 (0.039) U	ND (0.037) U	ND (0.036) U	ND (0.037) U	ND (36) U
2-nitroaniline	88-74-4	mg/kg	ND (0.039) U	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 (0.079) 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 (0.079) 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 (0.079) U	ND (0.078) U	ND (0.073) U	ND (0.072) U	ND (0.073) U	ND (73) U
3-nitroaniline	99-09-2	mg/kg	ND (0.078) U	ND (0.079) 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	534-52-1	mg/kg	ND (0.19) U	ND (0.2) U	ND (0.19) 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 (0.079) 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 (0.079) 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 (0.039) 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 (0.039) 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 (0.079) 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 (0.19) U	ND (0.18) U	ND (0.18) U	ND (0.18) U	ND (180) U
acenaphthene	83-32-9	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	ND (0.037) U	ND (0.036) U	ND (0.037) U	ND (36) U
acenaphthylene	208-96-8	mg/kg	ND (0.039) U	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 (0.039) 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	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 (a) pyrene	50-32-8	mg/kg	ND (0.039) U	ND (0.039) U	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	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 (ghi) perylene	191-24-2	mg/kg	ND (0.039) U	ND (0.039) U	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 (0.039) U	ND (0.037) U	ND (0.036) U	ND (0.037) U	ND (36) U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.078) U	ND (0.079) 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 (0.039) 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 (0.079) 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 (0.079) 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 (0.039) 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	0.04 (0.039) J	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 (0.078) U	ND (0.079) U	ND (0.078) U	ND (0.073) U	ND (0.072) U	ND (0.073) U	ND (73) U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.078) U	ND (0.079) 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 (0.039) 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 (0.039) 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 (0.079) 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 (0.079) 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	0.072 (0.039) J	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 (0.039) 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 (0.039) 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 (0.079) 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 (0.19) U	ND (0.18) U	ND (0.18) U	ND (0.18) U	ND (180) U
hexachloroethane	67-72-1	mg/kg	ND (0.039) U	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 (0.039) 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 (0.039) U	ND (0.037) U	ND (0.036) U	ND (0.037) U	ND (36) U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	ND (0.037) U	ND (0.036) U	ND (0.037) U	ND (36) U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.039) U	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 (0.039) 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 (0.039) U	ND (0.037) U	ND (0.036) U	ND (0.037) U	ND (36) U
pentachlorophenol	87-86-5	mg/kg	ND (0.19) U	ND (0.2) U	ND (0.19) 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 (0.039) 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 (0.079) 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	0.085 (0.039) J	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)	14.3 (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 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: GEO-28 (0' - 1')	GEO-28 (2' - 3')	GEO-28 (5' - 6')	GEO-29 (0' - 1')	GEO-29 (0' - 1') Duplicate[a]	GEO-29 (2' - 3')	GEO-29 (5' - 6')
TCL Semivolatile Organics [b]									
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
1,2-dichlorobenzene	95-50-1	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
2,2'-oxybis (1-chloropropane)	108-60-1	mg/kg	ND (0.038) UJ	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
2,4,5-trichlorophenol	95-95-4	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.22) U	ND (0.24) U	ND (0.23) U	ND (1.1)	ND (1.1)	ND (0.23) U	ND (0.23) U
2,4-dinitrotoluene	121-14-2	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
2-chloronaphthalene	91-58-7	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
2-chlorophenol	95-57-8	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
2-methylnaphthalene	91-57-6	mg/kg	0.051 (0.038) J	ND (0.04) U	ND (0.039) U	0.26 (0.19) J	0.71 (0.18) J	ND (0.039) U	ND (0.039) U
2-methylphenol	95-48-7	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
2-nitroaniline	88-74-4	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
2-nitrophenol	88-75-5	mg/kg	ND (0.077) UJ	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
3-nitroaniline	99-09-2	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.19) U	ND (0.2) U	ND (0.2) U	ND (0.95)	ND (0.92)	ND (0.2) U	ND (0.19) U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
4-chloroaniline	106-47-8	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
4-nitroaniline	100-01-6	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
4-nitrophenol	100-02-7	mg/kg	ND (0.19) U	ND (0.2) U	ND (0.2) U	ND (0.95)	ND (0.92)	ND (0.2) U	ND (0.19) U
acenaphthene	83-32-9	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
acenaphthylene	208-96-8	mg/kg	0.12 (0.038) J	ND (0.04) U	ND (0.039) U	1.2 (0.19) J	0.39 (0.18) J	ND (0.039) U	ND (0.039) U
anthracene	120-12-7	mg/kg	0.13 (0.038) J	ND (0.04) U	ND (0.039) U	2.5 (0.19)	0.48 (0.18) J	ND (0.039) U	ND (0.039) U
benzo (a) anthracene	56-55-3	mg/kg	0.79 (0.038)	ND (0.04) U	ND (0.039) U	4.1 (0.19)	0.61 (0.18) J	ND (0.039) U	ND (0.039) U
benzo (a) pyrene	50-32-8	mg/kg	1.1 (0.038)	ND (0.04) U	ND (0.039) U	3.5 (0.19)	0.75 (0.18) J	ND (0.039) U	ND (0.039) U
benzo (b) fluoranthene	205-99-2	mg/kg	1.9 (0.038)	ND (0.04) U	ND (0.039) U	8.6 (0.19)	1.4 (0.18) J	ND (0.039) U	ND (0.039) U
benzo (ghi) perylene	191-24-2	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	1.4 (0.19) J	0.57 (0.18) J	ND (0.039) U	ND (0.039) U
benzo (k) fluoranthene	207-08-9	mg/kg	0.67 (0.038)	ND (0.04) U	ND (0.039) U	3.2 (0.19)	0.44 (0.18) J	ND (0.039) U	ND (0.039) U
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
bis (2-ethylhexyl) phthalate	117-81-7	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38) U	ND (0.37) U	ND (0.078) U	ND (0.078) U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
carbazole	86-74-8	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	0.88 (0.19) J	ND (0.18)	ND (0.039) U	ND (0.039) U
chrysene	218-01-9	mg/kg	1.1 (0.038)	ND (0.04) U	ND (0.039) U	6.7 (0.19)	0.9 (0.18) J	ND (0.039) U	ND (0.039) U
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
dibenz (a,h) anthracene	53-70-3	mg/kg	0.2 (0.038) J	ND (0.04) U	ND (0.039) U	0.6 (0.19) J	0.23 (0.18) J	ND (0.039) U	ND (0.039) U
dibenzofuran	132-64-9	mg/kg	0.039 (0.038) J	ND (0.04) U	ND (0.039) U	0.25 (0.19) J	ND (0.18)	ND (0.039) U	ND (0.039) U
diethyl phthalate	84-66-2	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
dimethyl phthalate	131-11-3	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
fluoranthene	206-44-0	mg/kg	1 (0.038)	ND (0.04) U	ND (0.039) U	12 (0.19)	0.89 (0.18) J	ND (0.039) U	ND (0.039) U
fluorene	86-73-7	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	0.48 (0.19) J	ND (0.18)	ND (0.039) U	ND (0.039) U
hexachlorobenzene	118-74-1	mg/kg	ND (0.038) R	ND (0.04) R	ND (0.039) U	ND (0.19) R	ND (0.18) R	ND (0.039) R	ND (0.039) R
hexachlorobutadiene	87-68-3	mg/kg	ND (0.077) U	ND (0.081) U	ND (0.078) U	ND (0.38)	ND (0.37)	ND (0.078) U	ND (0.078) U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19) U	ND (0.2) U	ND (0.2) U	ND (0.95)	ND (0.92)	ND (0.2) U	ND (0.19) U
hexachloroethane	67-72-1	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	0.73 (0.038)	ND (0.04) U	ND (0.039) U	2.1 (0.19)	0.69 (0.18) J	ND (0.039) U	ND (0.039) U
isophorone	78-59-1	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
N-nitrosodi-n-propylamine	621-64-7	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
naphthalene	91-20-3	mg/kg	0.075 (0.038) J	ND (0.04) U	ND (0.039) U	0.35 (0.19) J	0.34 (0.18) J	ND (0.039) U	ND (0.039) U
nitrobenzene	98-95-3	mg/kg	ND (0.038) U	ND (0.04) U	ND (0.039) U	ND (0.19)	ND (0.18)	ND (0.039) U	ND (0.039) U
pentachlorophenol	87-86-5	mg/kg	ND (0.19) U	ND (0.2) U	ND (0.2) U	ND (0.95)	ND (0.92)	ND (0.2) U	ND (0.19) U
phenanthrene	85-01-8	mg/kg	0.18 (0.038) J	ND (0.04) U	ND (0.039) U	2.8 (0.19)	0.42 (0.18) J	ND (0.039) U	ND (0.039) U
phenol	108-95-2	mg/kg	ND (0.077) U	0.15 (0.081) J	0.23 (0.078) J	ND (0.38)	0.38 (0.37) J	0.11 (0.078) J	0.11 (0.078) J
pyrene	129-00-0	mg/kg	1.5 (0.038)	ND (0.04) U	ND (0.039) U	9.8 (0.19)	0.91 (0.18) J	ND (0.039) U	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-34/0'-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 quantitiation is estimated due to limitiations 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: GEO-30 (0' - 1')	GEO-30 (2' - 3')	GEO-30 (5' - 6')	GEO-31 (0' - 1')	GEO-31 (2' - 3')	GEO-31 (5' - 6')
TCL Semivolatile Organics [a]								
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
2,4-dimethylphenol	105-67-9	mg/kg	0.11 (0.077) J	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) 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	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 (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
3- and 4-methylphenol	106-44-5	mg/kg	0.14 (0.077) J	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
3-nitroaniline	99-09-2	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.19) U	ND (0.21) 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 (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
4-chloroaniline	106-47-8	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
4-chlorophenyl phenyl ether	7005-72-3	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
4-nitroaniline	100-01-6	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
4-nitrophenol	100-02-7	mg/kg	ND (0.19) U	ND (0.21) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.19) U
acenaphthene	83-32-9	mg/kg	0.16 (0.039) J	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
acenaphthylene	208-96-8	mg/kg	2.4 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
anthracene	120-12-7	mg/kg	4.1 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
benzo (a) anthracene	56-55-3	mg/kg	11 (0.39)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
benzo (a) pyrene	50-32-8	mg/kg	8 (0.39)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
benzo (b) fluoranthene	205-99-2	mg/kg	17 (0.39)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
benzo (ghi) perylene	191-24-2	mg/kg	3.7 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
benzo (k) fluoranthene	207-08-9	mg/kg	6.1 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) 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 (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) 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 (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
carbazole	86-74-8	mg/kg	1.7 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
chrysene	218-01-9	mg/kg	15 (0.39)	ND (0.041) U	ND (0.039) U	ND (0.038) 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 (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
dibenz (a,h) anthracene	53-70-3	mg/kg	1.5 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) 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 (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
dimethyl phthalate	131-11-3	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
fluoranthene	206-44-0	mg/kg	23 (0.39)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
fluorene	86-73-7	mg/kg	0.47 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
hexachlorobenzene	118-74-1	mg/kg	ND (0.039) R	ND (0.041) R	ND (0.039) R	ND (0.038) R	ND (0.038) R	ND (0.038) U
hexachlorobutadiene	87-68-3	mg/kg	ND (0.077) U	ND (0.082) U	ND (0.077) U	ND (0.076) U	ND (0.076) U	ND (0.075) U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19) U	ND (0.21) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.19) U
hexachloroethane	67-72-1	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	5.6 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
isophorone	78-59-1	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) 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 (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
N-nitrosodiphenylamine	86-30-6	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
naphthalene	91-20-3	mg/kg	0.69 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
nitrobenzene	98-95-3	mg/kg	ND (0.039) U	ND (0.041) U	ND (0.039) U	ND (0.038) U	ND (0.038) U	ND (0.038) U
pentachlorophenol	87-86-5	mg/kg	ND (0.19) U	ND (0.21) U	ND (0.19) U	ND (0.19) U	ND (0.19) U	ND (0.19) U
phenanthrene	85-01-8	mg/kg	2.7 (0.039)	ND (0.041) U	ND (0.039) U	ND (0.038) 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	0.15 (0.077) J	0.19 (0.076) J	0.14 (0.076) J	ND (0.075) U
pyrene	129-00-0	mg/kg	19 (0.39)	ND (0.041) U	ND (0.039) U	ND (0.038) 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 quantitiation is estimated due to limitiations 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: GEO-32 (0' - 1')	GEO-32 (2' - 3')	GEO-32 (5' - 6')	GEO-33 (0' - 1')	GEO-33 (0' - 1') Duplicate[b]	GEO-33 (2' - 3')	GEO-33 (5' - 6')
TCL Semivolatile Organics [b]									
1,2,4-trichlorobenzene	120-82-1	mg/kg	ND (0.039) U	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 (0.039) U	ND (0.38)	ND (0.038) U	ND (0.039) U	ND (0.041) UJ
1,3-dichlorobenzene	541-73-1	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	ND (0.38)	ND (0.038) U	ND (0.039) U	ND (0.041) UJ
1,4-dichlorobenzene	106-46-7	mg/kg	ND (0.039) U	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 (0.039) 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 (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
2,4,6-trichlorophenol	88-06-2	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
2,4-dichlorophenol	120-83-2	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
2,4-dimethylphenol	105-67-9	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	0.16 (0.076) J	ND (0.079) U	ND (0.083) U
2,4-dinitrophenol	51-28-5	mg/kg	ND (0.23) UJ	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 (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
2,6-dinitrotoluene	606-20-2	mg/kg	ND (0.039) U	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 (0.039) 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 (0.039) 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	ND (0.039) U	11 (0.38)	7.4 (3) J	0.88 (0.039)	ND (0.041) U
2-methylphenol	95-48-7	mg/kg	ND (0.039) U	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 (0.039) 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 (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
3,3'-dichlorobenzidine	91-94-1	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
3- and 4-methylphenol	106-44-5	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
3-nitroaniline	99-09-2	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
4,6-dinitro-2-methylphenol	534-52-1	mg/kg	ND (0.19) UJ	ND (0.19) U	ND (0.2) U	ND (1.9)	ND (0.19) U	ND (0.2) U	ND (0.21) U
4-bromophenyl phenyl ether	101-55-3	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
4-chloro-3-methylphenol	59-50-7	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
4-chloroaniline	106-47-8	mg/kg	ND (0.039) U	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 (0.039) U	ND (0.039) U	ND (0.039) U	ND (0.38)	ND (0.038) U	ND (0.039) U	ND (0.041) U
4-nitroaniline	100-01-6	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
4-nitrophenol	100-02-7	mg/kg	ND (0.19) U	ND (0.19) U	ND (0.2) U	ND (1.9)	ND (0.19) U	ND (0.2) U	ND (0.21) U
acenaphthene	83-32-9	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	66 (7.5) J	41 (3)	5 (0.039)	0.11 (0.041) J
acenaphthylene	208-96-8	mg/kg	0.048 (0.039) J	ND (0.039) U	ND (0.039) U	20 (0.38)	12 (3) J	1.7 (0.039)	ND (0.041) U
anthracene	120-12-7	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	94 (7.5)	58 (3)	8.5 (0.79)	0.22 (0.041) J
benzo (a) anthracene	56-55-3	mg/kg	0.29 (0.039) J	ND (0.039) U	ND (0.039) U	100 (7.5)	67 (3)	11 (0.79)	0.16 (0.041) J
benzo (a) pyrene	50-32-8	mg/kg	0.31 (0.039) J	ND (0.039) U	ND (0.039) U	64 (7.5) J	41 (3)	5.2 (0.039)	0.089 (0.041) J
benzo (b) fluoranthene	205-99-2	mg/kg	0.76 (0.039)	ND (0.039) U	0.41 (0.039)	97 (7.5)	62 (3)	8.6 (0.79)	0.14 (0.041) J
benzo (ghi) perylene	191-24-2	mg/kg	0.23 (0.039) J	ND (0.039) U	ND (0.039) U	30 (0.38)	21 (3) J	2.4 (0.039)	0.042 (0.041) J
benzo (k) fluoranthene	207-08-9	mg/kg	0.46 (0.039)	ND (0.039) U	0.35 (0.039) J	36 (0.38)	21 (3) J	2.9 (0.039)	0.05 (0.041) J
bis (2-chloroethoxy) methane	111-91-1	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
bis (2-chloroethyl) ether	111-44-4	mg/kg	ND (0.039) U	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	0.15 (0.077) J (d)	0.14 (0.078) J (d)	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
butyl benzyl phthalate	85-68-7	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
carbazole	86-74-8	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	16 (0.38)	11 (3) J	1.6 (0.039)	ND (0.041) U
chrysene	218-01-9	mg/kg	0.37 (0.039) J	ND (0.039) UJ	0.041 (0.039) J	100 (7.5)	65 (3)	9.6 (0.79)	0.17 (0.041) J
di-n-butyl phthalate	84-74-2	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
di-n-octyl phthalate	117-84-0	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
dibenz (a,h) anthracene	53-70-3	mg/kg	0.063 (0.039) J	ND (0.039) U	ND (0.039) U	10 (0.38)	4.9 (0.038)	0.84 (0.039)	ND (0.041) U
dibenzofuran	132-64-9	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	35 (0.38)	23 (3) J	2.8 (0.039)	0.099 (0.041) J
diethyl phthalate	84-66-2	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
dimethyl phthalate	131-11-3	mg/kg	ND (0.078) U	ND (0.077) U	ND (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
fluoranthene	206-44-0	mg/kg	0.13 (0.039) J	ND (0.039) U	0.13 (0.039) J	440 (7.5)	270 (3)	42 (0.79)	0.7 (0.041)
fluorene	86-73-7	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	78 (7.5)	48 (3)	6.2 (0.039)	0.17 (0.041) J
hexachlorobenzene	118-74-1	mg/kg	ND (0.039) U	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 (0.078) U	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
hexachlorocyclopentadiene	77-47-4	mg/kg	ND (0.19) U	ND (0.19) U	ND (0.2) U	ND (1.9)	ND (0.19) U	ND (0.2) U	ND (0.21) U
hexachloroethane	67-72-1	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	ND (0.38)	ND (0.038) U	ND (0.039) U	ND (0.041) UJ
indeno (1,2,3-cd) pyrene	193-39-5	mg/kg	0.26 (0.039) J	ND (0.039) U	ND (0.039) U	37 (0.38)	25 (3) J	3 (0.039)	0.052 (0.041) J
isophorone	78-59-1	mg/kg	ND (0.039) U	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 (0.039) 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 (0.039) 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	ND (0.039) U	8.3 (0.38)	5.4 (0.038) V	0.75 (0.039)	ND (0.041) U
nitrobenzene	98-95-3	mg/kg	ND (0.039) U	ND (0.039) U	ND (0.039) U	ND (0.38)	ND (0.038) U	ND (0.039) U	ND (0.041) U
pentachlorophenol	87-86-5	mg/kg	ND (0.19) U	ND (0.19) U	ND (0.2) U	ND (1.9)	ND (0.19) U	ND (0.2) U	ND (0.21) U
phenanthrene	85-01-8	mg/kg	ND (0.039) U	ND (0.039) U	0.085 (0.039) J	300 (7.5)	190 (3)	29 (0.79)	0.76 (0.041)
phenol	108-95-2	mg/kg	0.14 (0.078) J	0.12 (0.077) J	0.17 (0.078) J	ND (0.75)	ND (0.076) U	ND (0.079) U	ND (0.083) U
pyrene	129-00-0	mg/kg	0.25 (0.039) J	ND (0.039) U	0.11 (0.039) J	320 (7.5)	200 (3)	30 (0.79)	0.44 (0.041)
Other Parameters									
Moisture Content[c]	N.A.	wt. %	14.1 (0.08)	13.9 (0.08)	15.0 (0.08)	11.4 (0.08)	12.4 (0.08)	15.1 (0.08)	19.3 (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 quantitiation is estimated due to limitiations 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-17 (Duplicate)[a]	GEO-18-GW	GEO-19-GW	GEO-20-GW
TCL Volatile Organics [b]								
1,1,1-Trichloroethane	71-55-6	mg/L	ND (0.001) U	ND (0.050) 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 (0.100) 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 (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
1,1-Dichloroethane	75-34-3	mg/L	ND (0.002) U	ND (0.100) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
1,1-Dichloroethene	75-35-4	mg/L	ND (0.001) U	ND (0.050) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
1,2-Dichloroethane	107-06-2	mg/L	ND (0.002) U	ND (0.100) U	ND (0.100) U	ND (0.002) U	ND (0.010) U	ND (0.002) U
1,2-Dichloropropane	78-87-5	mg/L	ND (0.001) U	ND (0.050) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
2-Butanone	78-93-3	mg/L	ND (0.003) U	ND (0.150) U	ND (0.150) U	ND (0.003) U	ND (0.015) U	ND (0.003) U
2-Hexanone	591-78-6	mg/L	ND (0.007) U	ND (0.350) U	ND (0.350) U	ND (0.007) U	ND (0.035) U	ND (0.007) U
4-Methyl-2-pentanone	108-10-1	mg/L	ND (0.005) U	ND (0.250) U	ND (0.250) U	ND (0.005) U	ND (0.025) U	ND (0.005) U
Acetone	67-64-1	mg/L	ND (0.006) U	ND (0.300) U	ND (0.300) U	ND (0.006) U	ND (0.030) U	ND (0.006) U
Benzene	71-43-2	mg/L	ND (0.001) U	ND (0.050) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Bromodichloromethane	75-27-4	mg/L	ND (0.001) U	ND (0.050) U	ND (0.050) U	ND (0.001) U	ND (0.005) U	ND (0.001) U
Bromoform	75-25-2	mg/L	ND (0.001) U	ND (0.050) 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 (0.150) 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 (0.150) 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 (0.050) 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 (0.050) 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 (0.150) 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 (0.050) 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 (0.150) 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 (0.100) 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 (0.050) 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 (0.100) 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 (0.100) 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 (0.100) 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 (0.050) 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 (0.050) 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 (0.100) 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 (0.100) 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 (0.050) 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 (0.050) 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 (0.100) 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	0.057 (0.050) J	ND (0.001) U	0.027 (0.005)	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)

SEMI-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: CPT-08-GW	CPT-09-GW	CPT-09-GW (Duplicate)[a]	CPT-10-GW	CPT-11-GW	CPT-12-GW	CPT-13-GW
TCL Semivolatile Organics[b]									
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 (0.0009) 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 (0.0009) 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 (0.0009) 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 (0.0009) 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) 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
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 (0.0009) U	ND (0.001) U
2,4-dimethylphenol	105-67-9	mg/L	ND (0.001) U	0.06 (0.001)	0.063 (0.001)	ND (0.001) U	0.002 (0.001) J	ND (0.0009) U	ND (0.001) U
2,4-dinitrophenol	51-28-5	mg/L	ND (0.014) U	ND (0.014) U	ND (0.014) U	ND (0.015) U	ND (0.016) U	ND (0.014) U	ND (0.015) UJ
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 (0.0009) U	ND (0.001) U
2,6-dinitrotoluene	606-20-2	mg/L	0.005 (0.002) J	0.002 (0.002) J	0.006 (0.002) J	0.003 (0.002) J	0.003 (0.002) J	0.004 (0.002) J	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 (0.0009) 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 (0.0009) U	ND (0.001) U
2-methylnaphthalene	91-57-6	mg/L	0.001 (0.001) J	0.8 (0.095) J	0.71 (0.095) J	ND (0.001) U	0.023 (0.001)	0.042 (0.0009)	0.002 (0.001) J
2-methylphenol	95-48-7	mg/L	ND (0.001) U	0.009 (0.001) J	0.008 (0.001) J	ND (0.001) U	0.001 (0.001) J	ND (0.0009) 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
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 (0.0009) U	ND (0.001) U
3,3'-dichlorobenzidine	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-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
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	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 (0.0009) 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 (0.0009) U	ND (0.001) U
4-chlorophenyl phenyl ether	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 (0.0009) U	ND (0.001) U
4-methylphenol	106-44-5	mg/L	ND (0.003) U	0.018 (0.003)	0.018 (0.003)	ND (0.003) U	0.009 (0.003) J	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
4-nitrophenol	100-02-7	mg/L	ND (0.010) U	ND (0.009) U	ND (0.010) U	ND (0.010) U	ND (0.011) U	ND (0.009) U	ND (0.010) U
acenaphthene	83-32-9	mg/L	0.002 (0.001) J	0.25 (0.095) J	0.22 (0.095) J	0.002 (0.001) J	0.049 (0.001)	0.1 (0.0009)	0.002 (0.001) J
acenaphthylene	208-96-8	mg/L	ND (0.002) U	0.029 (0.002)	0.026 (0.002)	ND (0.002) U	ND (0.002) U	0.007 (0.002) J	ND (0.002) U
anthracene	120-12-7	mg/L	0.002 (0.001) J	0.009 (0.001) J	0.007 (0.001) J	ND (0.001) U	ND (0.001) U	0.006 (0.0009) J	ND (0.001) U
benzo (a) anthracene	56-55-3	mg/L	0.002 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.001 (0.0009) J	ND (0.001) U
benzo (a) 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 (0.0009) 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 (0.0009) U	ND (0.001) U
benzo (ghi) perylene	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 (0.0009) 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 (0.0009) 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 (0.0009) 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 (0.0009) U	ND (0.001) U
bis (2-ethylhexyl) phthalate	117-81-7	mg/L	0.042 (0.002) U*	0.004 (0.002) U*	0.003 (0.002) U*	ND (0.002) U	0.017 (0.002) U*	0.037 (0.002) U*	0.002 (0.002) U*
butyl benzyl phthalate	85-68-7	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.002 (0.002) (c,d)	ND (0.002) U	ND (0.002) U	ND (0.002) U
carbazole	86-74-8	mg/L	ND (0.001) U	0.36 (0.095) J	0.37 (0.095) J	0.002 (0.001) J	0.003 (0.001) J	0.084 (0.0009) V	0.005 (0.001) J
chrysene	218-01-9	mg/L	0.001 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.001 (0.0009) J	ND (0.001) U
di-n-butyl phthalate	84-74-2	mg/L	0.005 (0.002) U* (c)	0.003 (0.002) J (c)	0.004 (0.002) J (c)	0.003 (0.002) J (c)	0.004 (0.002) J (c)	0.004 (0.002) J (c)	ND (0.002) U
di-n-octyl phthalate	117-84-0	mg/L	0.006 (0.002) J (c)	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.005 (0.002) U* (c)	ND (0.002) U	ND (0.002) U
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 (0.0009) U	ND (0.001) U
dibenzofuran	132-64-9	mg/L	0.002 (0.001) J	0.21 (0.095) J	0.14 (0.001)	0.002 (0.001) J	0.03 (0.001)	0.067 (0.0009)	0.003 (0.001) J
diethyl phthalate	84-66-2	mg/L	0.005 (0.002) J	ND (0.002) U	0.004 (0.002) J	ND (0.002) U	0.003 (0.002) J	0.006 (0.002) J	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
fluoranthene	206-44-0	mg/L	0.006 (0.001) J	0.002 (0.001) J	0.001 (0.001) J	ND (0.001) U	0.001 (0.001) J	0.006 (0.0009) J	ND (0.001) U
fluorene	86-73-7	mg/L	0.003 (0.001) J	0.13 (0.001)	0.11 (0.001)	0.001 (0.001) J	0.015 (0.001)	0.046 (0.0009)	0.003 (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
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
hexachlorocyclopentadiene	77-47-4	mg/L	ND (0.005) U	ND (0.005) U	ND (0.005) U	0.002 (0.005) (d)	ND (0.005) U	ND (0.005) U	ND (0.005) UJ
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 (0.0009) 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 (0.0009) U	ND (0.001) U
isophorone	78-59-1	mg/L	ND (0.001) U	ND (0.001) U	0.001 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.0009) 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	ND (0.0009) 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 (0.0009) U	ND (0.001) U
naphthalene	91-20-3	mg/L	0.004 (0.001) J	12 (0.095)	11 (0.095)	0.001 (0.001) J	0.12 (0.001)	0.71 (0.005)	0.009 (0.001) 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 (0.0009) 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	ND (0.003) U	ND (0.003) U
phenanthrene	85-01-8	mg/L	0.007 (0.001) J	0.088 (0.001)	0.067 (0.001)	ND (0.001) U	0.017 (0.001)	0.057 (0.0009)	0.004 (0.001) J
phenol	108-95-2	mg/L	0.004 (0.001) J	0.001 (0.001) J	ND (0.001) U	ND (0.001) U	0.008 (0.001) J	0.003 (0.0009) J	0.001 (0.001) J
pyrene	129-00-0	mg/L	0.006 (0.001) J	0.001 (0.001) J	ND (0.001) U	ND (0.001) U	0.001 (0.001) J	0.009 (0.0009)	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 CPT-07-GW.
(b) Target Compound List (TCL) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.
(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.
(d) 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.
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 4-2
(Continued)

SEMI-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									
			CPT-21-GW	CPT-22-GW	GEO-16-GW	GEO-17-GW	GEO-17 (Duplicate)[a]	CPT-18-GW	GEO-19-GW	GEO-20-GW		
TCL Semivolatile Organics [b]												
1,2,4-trichlorobenzene	120-82-1	µg/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	µg/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	µg/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	µg/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		
2,2'oxybis (1-chloropropane)	108-60-1	µg/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	µg/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	µg/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	µg 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	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.011 (0.001)	ND (0.001) U	0.014 (0.001)	ND (0.001) U		
2,4-dinitrophenol	51-28-5	µg/L	ND (0.015) U	ND (0.014) U	ND (0.015) U	ND (0.015) U	ND (0.015) U	ND (0.015) U	ND (0.016) U	ND (0.015) U		
2,4-dinitrotoluene	121-14-2	µg/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	µg/L	0.003 (0.002) J	0.006 (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		
2-chloronaphthalene	91-58-7	µg/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	µg/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	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.73 (0.200) J	0.59 (0.097) J	ND (0.001) U	0.13 (0.036)	ND (0.001) U		
2-methylphenol	95-48-7	µg L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.001 (0.001) J	ND (0.001) U	0.003 (0.001) J	ND (0.001) U		
2-nitroaniline	88-74-4	µg/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	µg/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	µg/L	ND (0.005) U	ND (0.005) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.005) U	ND (0.002) U	ND (0.002) U		
3-nitroaniline	99-09-2	µg/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	534-52-1	µg/L	ND (0.008) 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-bromophenyl phenyl ether	101-55-3	µg/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	µg/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	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.003) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U		
4-chlorophenyl phenyl ether	7005-72-3	µg/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	µg/L	ND (0.003) U	ND (0.003) U	ND (0.003) U	0.006 (0.003) J	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U		
4-nitroaniline	100-01-6	µg/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	µg L	ND (0.010) U	ND (0.009) U	ND (0.010) U	ND (0.010) U	ND (0.010) U	ND (0.010) U	ND (0.011) U	ND (0.010) U		
acenaphthene	83-32-9	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.34 (0.200) J	0.32 (0.097) J	0.001 (0.001) J	0.14 (0.001)	ND (0.001) U		
acenaphthylene	208-96-8	µg/L	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.016 (0.001)	0.015 (0.001)	ND (0.002) U	0.009 (0.001) J	ND (0.001) U		
anthracene	120-12-7	µg L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.036 (0.001)	0.03 (0.001)	ND (0.001) U	0.026 (0.001)	ND (0.001) U		
benzo (a) anthracene	56-55-3	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.014 (0.001)	0.007 (0.001) J	ND (0.001) U	0.017 (0.001)	ND (0.001) U		
benzo (a) pyrene	50-32-8	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.005 (0.001) J	0.003 (0.001) J	ND (0.001) U	0.008 (0.001) J	ND (0.001) U		
benzo (b) fluoranthene	205-99-2	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.007 (0.001) J	0.004 (0.001) J	ND (0.001) U	0.013 (0.001)	ND (0.001) U		
benzo (ghi) perylene	191-24-2	µg L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.002 (0.001) J	0.001 (0.001) J	ND (0.001) U	0.003 (0.001) J	ND (0.001) U		
benzo (k) fluoranthene	207-08-9	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.003 (0.001) J	0.002 (0.001) J	ND (0.001) U	0.004 (0.001) J	ND (0.001) U		
bis (2-chloroethoxy) methane	111-91-1	µg/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	µg/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	µg L	0.019 (0.002) U*	0.01 (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		
butyl benzyl phthalate	85-68-7	µg/L	0.002 (0.002) (c,d)	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.007 (0.002) J	ND (0.002) U	ND (0.002) U		
carbazole	86-74-8	µg/L	0.002 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.2 (0.097) JD	0.002 (0.001) J	0.077 (0.001)	ND (0.001) U		
chrysene	218-01-9	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.01 (0.001)	0.005 (0.001) J	ND (0.001) U	0.015 (0.001)	ND (0.001) U		
di-n-butyl phthalate	84-74-2	µg/L	0.003 (0.002) J (d)	0.005 (0.002) J (d)	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.002 (0.002) J (d)	ND (0.002) U	ND (0.002) U		
di-n-octyl phthalate	117-84-0	µg/L	0.004 (0.002) U* (d)	0.003 (0.002) U* (d)	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.003 (0.002) J (d)	ND (0.002) U	ND (0.002) U		
dibenz (a,h) anthracene	53-70-3	µg/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	0.001 (0.001) J	ND (0.001) U		
dibenzofuran	132-64-9	µg/L	ND (0.001) U	0.001 (0.001) J	ND (0.001) U	0.22 (0.200) J	0.22 (0.097) J	0.002 (0.001) J	0.048 (0.001)	ND (0.001) U		
diethyl phthalate	84-66-2	µg/L	0.002 (0.002) J	0.008 (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	µg/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	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.075 (0.001)	0.047 (0.001)	ND (0.001) U	0.1 (0.001)	ND (0.001) U		
fluorene	86-73-7	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.22 (0.200) J	0.2 (0.097) J	0.002 (0.001) J	0.067 (0.001)	ND (0.001) U		
hexachlorobenzene	118-74-1	µg/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	µg/L	0.002 (0.002) (e)	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	µg/L	ND (0.005) U	ND (0.005) U	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U		
hexachloroethane	67-72-1	µg/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	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.002 (0.001) J	0.001 (0.001) J	ND (0.003) U	0.004 (0.001) J	ND (0.001) U		
isophorone	78-59-1	µg/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-nitrosodi-n-propylamine	621-64-7	µg/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	µg/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	µg L	ND (0.001) U	ND (0.001) U	ND (0.001) U	8.8 (0.200)	5.5 (0.097)	0.001 (0.001) J	1.9 (0.022)	ND (0.001) U		
nitrobenzene	98-95-3	µg/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	87-86-5	µg/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	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.31 (0.200) J	0.28 (0.097) J	0.004 (0.001) J	0.14 (0.001)	ND (0.001) U		
phenol	108-95-2	µg/L	0.001 (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		
pyrene	129-00-0	µg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.048 (0.001)	0.03 (0.001)	ND (0.001) U	0.076 (0.001)	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) base neutral/acid-extractable organic compounds by EPA SW-846 method 8270.
(c) Corrected value resulting from data validation quality assurance review.
(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 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 4-2
(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-10	MW-11	MW-12	MW-13	MW-13 (Duplicate)[b]
TCL Volatile Organics [c]							
1,1,1-Trichloroethane	71-55-6	mg/L	ND (0.001) U	ND (0.001) U	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	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	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	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	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	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	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	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	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	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*	*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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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*	*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	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	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	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	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	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	ND (0.002) U	ND (0.002) U
Xylene (Total)	1330-20-7	mg/L	ND (0.001) U	ND (0.001) U	0.004 (0.001) J	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) 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	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
2,2'oxybis(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
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
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-dimethylphenol	105-67-9	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.048 (0.001)	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
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
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
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
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
2-methylnaphthalene	91-57-6	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.033 (0.001)	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	0.035 (0.001)	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
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
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
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
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-bromophenylphenylether	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	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
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
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
4-methylphenol	106-44-5	mg/L	ND (0.003) U	ND (0.003) U	ND (0.003) U	ND (0.003) U	0.009 (0.003) J	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
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
acenaphthene	83-32-9	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.023 (0.001)	ND (0.001) U	ND (0.001) U
acenaphthylene	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	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	0.001 (0.001) J	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
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
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
benzo(ghi)perylene	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
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	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U	0.004 (0.002) J (b)	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
carbazole	86-74-8	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.025 (0.001)	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	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
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
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	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.043 (0.001)	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	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	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	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	ND (0.001) U	0.019 (0.001)	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
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
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
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
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
isophorone	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
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	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
naphthalene	91-20-3	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.8 (0.010)	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
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	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	ND (0.001) U	0.013 (0.001)	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	0.008 (0.001) J	ND (0.001) U	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	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-09 (Duplicate)[a]	MW-10	MW-11	MW-12	MW-13	MW-13 (Duplicate)[b]
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
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
2,2'oxybis(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
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
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-dimethylphenol	105-67-9	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U	0.01 (0.001) J	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 (0.016) 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
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
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
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
2-methylnaphthalene	91-57-6	mg/L	0.43 (0.020)	0.5 (0.030)	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
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
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
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
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
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-bromophenylphenylether	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	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
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
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
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
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
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
acenaphthene	83-32-9	mg/L	0.19 (0.020) J	0.21 (0.030) J	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
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
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
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
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
benzo(ghi)perylene	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
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	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
carbazole	86-74-8	mg/L	0.11 (0.001)	0.12 (0.001)	ND (0.001) U	ND (0.001) U	0.004 (0.001) J	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	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
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
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	0.12 (0.001)	0.14 (0.001)	ND (0.001) U	ND (0.001) U	0.004 (0.001) J	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	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	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
fluorene	86-73-7	mg/L	0.093 (0.001)	0.1 (0.001)	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
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
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
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
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
isophorone	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
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	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
naphthalene	91-20-3	mg/L	2.1 (0.020)	2.4 (0.030)	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
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	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
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
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

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 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							
PAH Compounds (a)																												
Acenaphthene	83-32-9	mg/L	ND	(0.000780)	UJ	ND	(0.000780)	U	ND	(0.00079)	U	ND	(0.000800)	UJ	0.026	(0.00081)	J	ND	(0.00083)	UJ	ND	(0.00081)	UJ						
Acenaphthylene	208-96-8	mg/L	ND	(0.000780)	UJ	ND	(0.000780)	U	ND	(0.00079)	U	ND	(0.000800)	UJ	0.026	(0.00081)	J	ND	(0.00083)	UJ	ND	(0.00081)	UJ						
Anthracene	120-12-7	mg/L	ND	(0.000030)	UJ	0.000178	(0.000030)	J	0.000031	(0.000030)	U	ND	(0.000031)	UJ	0.00075	(0.000031)	J	ND	(0.000032)	UJ	ND	(0.000031)	UJ						
Benzo(a)anthracene	56-55-3	mg/L	ND	(0.000018)	UJ	0.00131	(0.000017)		ND	(0.000018)	U	0.000018	(0.000018)	J	ND	(0.000018)	UJ	ND	(0.000019)	UJ	ND	(0.000018)	UJ						
Benzo(a)pyrene	50-32-8	mg/L	ND	(0.000021)	UJ	ND	(0.000021)	U	ND	(0.000022)	U	0.000032	(0.000022)	J	ND	(0.000022)	UJ	ND	(0.000023)	UJ	ND	(0.000022)	UJ						
Benzo(b)fluoranthene	205-99-2	mg/L	ND	(0.000034)	UJ	ND	(0.000034)	U	ND	(0.000034)	U	0.000047	(0.000035)	J	ND	(0.000035)	UJ	ND	(0.000036)	UJ	ND	(0.000036)	UJ						
Benzo(g,h,i)perylene	191-24-2	mg/L	ND	(0.000097)	UJ	ND	(0.000096)	U	ND	(0.000097)	U	ND	(0.000099)	UJ	ND	(0.000100)	UJ	ND	(0.000100)	UJ	ND	(0.000100)	UJ						
Benzo(k)fluoranthene	207-08-9	mg/L	ND	(0.000026)	UJ	ND	(0.000026)	U	ND	(0.000027)	U	ND	(0.000027)	UJ	ND	(0.000027)	UJ	ND	(0.000028)	UJ	ND	(0.000027)	UJ						
Chrysene	218-01-9	mg/L	0.000067	(0.000058)	J	0.0039	(0.000057)		0.000063	(0.000058)	J	ND	(0.000059)	UJ	ND	(0.000060)	UJ	ND	(0.000061)	UJ	ND	(0.000060)	UJ						
Dibenzo(a,h)anthracene	53-70-3	mg/L	ND	(0.000046)	UJ	ND	(0.000046)	U	ND	(0.000046)	U	ND	(0.000047)	UJ	ND	(0.000048)	UJ	ND	(0.000049)	UJ	ND	(0.000048)	UJ						
Fluoranthene	206-44-0	mg/L	ND	(0.000020)	UJ	0.00038	(0.000019)		ND	(0.000020)	U	0.000074	(0.000020)	J	0.00052	(0.000020)	J	ND	(0.000021)	UJ	ND	(0.000020)	UJ						
Fluorene	86-73-7	mg/L	ND	(0.000170)	UJ	0.00099	(0.000160)		ND	(0.00017)	U	ND	(0.000170)	UJ	0.0155	(0.0034)	J	ND	(0.000180)	UJ	ND	(0.00017)	UJ						
Indeno(1,2,3-cd)pyrene	193-39-5	mg/L	ND	(0.000063)	UJ	ND	(0.000062)	U	ND	(0.000063)	U	ND	(0.000064)	UJ	ND	(0.000065)	UJ	ND	(0.000066)	UJ	ND	(0.000065)	UJ						
Naphthalene	91-20-3	mg/L	ND	(0.000780)	UJ	ND	(0.000780)	U	ND	(0.00079)	U	ND	(0.000800)	UJ	0.680	(0.016)	J	ND	(0.00083)	UJ	ND	(0.00081)	UJ						
Phenanthrene	85-01-8	mg/L	ND	(0.000045)	UJ	0.00214	(0.000045)		ND	(0.000045)	U	ND	(0.000046)	UJ	0.00928	(0.000047)	J	ND	(0.000048)	UJ	ND	(0.000047)	UJ						
Pyrene	129-00-0	mg/L	0.00329	(0.000180)	J	ND	(0.000170)	U	10.4	(0.00018)	J (b)	ND	(0.000180)	UJ	ND	(0.000180)	UJ	0.00142	(0.000190)	J	ND	(0.000180)	UJ						

NOTES:

ND denotes "Not Detected" at method detection limit shown in parentheses.
(a) Polynucleated 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.
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
(Continued)

PAH 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-09 (Duplicate)[a]			MW-10			MW-11			MW-12			MW-13			MW-13 (Duplicate)[b]		
PAH Compounds [c]																						
Acenaphthene	83-32-9	mg/L	0.230	(0.000800)		0.220	(0.000800)		ND	(0.000820)	U	ND	(0.000800)	U	0.0033	(0.000820)	J	ND	(0.000800)	UJ	ND	(0.000800)	UJ
Acenaphthylene	208-96-8	mg/L	0.197	(0.000800)		0.191	(0.000800)		ND	(0.000820)	U	ND	(0.000800)	U	0.00656	(0.000820)	J	ND	(0.000800)	UJ	ND	(0.000800)	UJ
Anthracene	120-12-7	mg/L	0.00317	(0.000031)		0.00390	(0.000031)		ND	(0.000032)	U	ND	(0.000031)	U	0.000342	(0.000032)	J	ND	(0.000031)	UJ	ND	(0.000031)	UJ
Benzo(a)anthracene	56-55-3	mg/L	ND	(0.000018)	U	0.000186	(0.000018)		ND	(0.000018)	U	ND	(0.000018)	U	ND	(0.000019)	U	ND	(0.000018)	UJ	ND	(0.000018)	UJ
Benzo(a)pyrene	50-32-8	mg/L	ND	(0.000022)	UJ	0.000038	(0.000022)	J	ND	(0.000023)	UJ	0.000024	(0.000022)	J	ND	(0.000023)	UJ	ND	(0.000022)	UJ	ND	(0.000022)	UJ
Benzo(b)fluoranthene	205-99-2	mg/L	0.000041	(0.000035)	J	ND	(0.000035)	U	ND	(0.000036)	U	ND	(0.000035)	U	ND	(0.000036)	U	ND	(0.000035)	UJ	ND	(0.000035)	UJ
Benzo(g,h,i)perylene	191-24-2	mg/L	ND	(0.000099)	UJ	ND	(0.000099)	UJ	ND	(0.000100)	UJ	ND	(0.000098)	UJ	ND	(0.000100)	UJ	ND	(0.000099)	UJ	ND	(0.000100)	UJ
Benzo(k)fluoranthene	207-08-9	mg/L	0.000037	(0.000027)	J	ND	(0.000027)	U	ND	(0.000028)	U	ND	(0.000027)	U	ND	(0.000028)	U	ND	(0.000027)	UJ	ND	(0.000027)	UJ
Chrysene	218-01-9	mg/L	0.000224	(0.000059)	J	0.000128	(0.000059)	J	ND	(0.000061)	U	0.000117	(0.000059)	J	ND	(0.000061)	U	ND	(0.000059)	UJ	ND	(0.000059)	UJ
Dibenzo(a,h)anthracene	53-70-3	mg/L	ND	(0.000047)	U	ND	(0.000047)	U	ND	(0.000048)	U	ND	(0.000047)	U	ND	(0.000048)	U	ND	(0.000047)	UJ	ND	(0.000047)	UJ
Fluoranthene	206-44-0	mg/L	0.00632	(0.000020)		0.00493	(0.000020)		ND	(0.000021)	U	ND	(0.000020)	U	ND	(0.000021)	U	ND	(0.000020)	UJ	ND	(0.000020)	UJ
Fluorene	86-73-7	mg/L	0.093	(0.008500)		0.078	(0.008500)		ND	(0.000170)	U	ND	(0.000170)	U	0.000334	(0.000170)		ND	(0.000170)	UJ	ND	(0.000170)	UJ
Indeno(1,2,3-cd)pyrene	193-39-5	mg/L	ND	(0.000064)	U	ND	(0.000064)	U	ND	(0.000066)	U	ND	(0.000064)	U	ND	(0.000066)	U	ND	(0.000064)	UJ	ND	(0.000064)	UJ
Naphthalene	91-20-3	mg/L	2.200	(0.040000)		1.810	(0.040000)		ND	(0.000820)	U	ND	(0.000800)	U	0.406	(0.000820)		ND	(0.000800)	UJ	ND	(0.000800)	UJ
Phenanthrene	85-01-8	mg/L	0.050	(0.002300)		0.041	(0.002300)		ND	(0.000047)	U	ND	(0.000046)	U	0.00610	(0.000047)		ND	(0.000046)	UJ	ND	(0.000046)	UJ
Pyrene	129-00-0	mg/L	0.00515	(0.000180)		0.00395	(0.000180)		0.00184	(0.000180)		0.00154	(0.000180)		0.00277	(0.000190)		ND	(0.000180)	UJ	0.00099	(0.000180)	J

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 8310.
U qualifier denotes not detected.
J qualifier denotes quantitation is estimated due to limitations identified during 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 4-3

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
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'oxybis (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
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	105-67-9	mg/L	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 (0.016) U	ND (0.016) U	ND (0.016) 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	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
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	534-52-1	mg/L	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
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-chlorophenyl phenyl ether	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	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
4-nitrophenol	100-02-7	mg/L	ND (0.01) U	ND (0.011) U	ND (0.011) U	ND (0.01) U	ND (0.01) U
acenaphthene	83-32-9	mg/L	0.014 (0.001)	0.009 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U
acenaphthylene	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	0.013 (0.001)	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo (a) anthracene	56-55-3	mg/L	0.005 (0.001) J	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
benzo (b) fluoranthene	205-99-2	mg/L	0.012 (0.001)	0.009 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo (ghi) perylene	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 (k) fluoranthene	207-08-9	mg/L	0.002 (0.001) J	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	0.003 (0.002) J (b)	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
butyl benzyl phthalate	85-68-7	mg/L	0.003 (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	0.01 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
chrysene	218-01-9	mg/L	0.006 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
di-n-butyl phthalate	84-74-2	mg/L	0.009 (0.002) U*	ND (0.002) U	ND (0.002) U	ND (0.002) U	ND (0.002) U
di-n-octyl phthalate	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	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
dibenzofuran	132-64-9	mg/L	0.011 (0.001)	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U
diethyl phthalate	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
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
fluoranthene	206-44-0	mg/L	0.039 (0.001)	0.013 (0.001)	0.012 (0.001)	ND (0.001) U	ND (0.001) U
fluorene	86-73-7	mg/L	0.012 (0.001)	0.011 (0.001)	ND (0.001) U	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
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
isophorone	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	ND (0.001) 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	0.017 (0.001)	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
pyrene	129-00-0	mg/L	0.021 (0.001)	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.001) U

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 Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Registry Number	Units	Sample Identifier: SW-08	SW-08 (Duplicate)[b]	SW-09	SW-10	SW-11	CFO[b]
TCL Semivolatile Organics [c]								
1,2,4-trichlorobenzene	120-82-1	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	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) UJ	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) UJ	ND (0.001) U	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) UJ	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) UJ	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) UJ	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) UJ	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) UJ	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) UJ	ND (0.014) U	ND (0.016) U	ND (0.016) U
2,4-dinitrotoluene	121-14-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	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) UJ	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) UJ	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) UJ	ND (0.001) U	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) UJ	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) UJ	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) UJ	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) UJ	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) UJ	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) UJ	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) UJ	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) UJ	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) UJ	ND (0.001) U	ND (0.001) U	ND (0.001) U
4-chlorophenyl phenyl ether	7005-72-3	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	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) UJ	ND (0.002) U	ND (0.002) U	ND (0.002) U
4-nitrophenol	100-02-7	mg/L	ND (0.01) U	ND (0.01) U	ND (0.01) UJ	ND (0.01) U	ND (0.011) U	ND (0.01) U
acenaphthene	83-32-9	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	ND (0.001) U	ND (0.001) U	ND (0.001) U
acenaphthylene	208-96-8	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo (a) anthracene	56-55-3	mg/L	0.001 (0.001) J	ND (0.001) U	ND (0.001) UJ	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) UJ	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	0.009 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U
benzo (ghi) perylene	191-24-2	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	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) UJ	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) UJ	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) UJ	ND (0.002) U	ND (0.002) U	0.007 (0.002) J (d)
butyl benzyl phthalate	85-68-7	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) UJ	ND (0.002) U	ND (0.002) U	0.013 (0.002) U*
carbazole	86-74-8	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	ND (0.001) U	ND (0.001) U	ND (0.001) U
di-n-butyl phthalate	84-74-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) UJ	ND (0.002) U	ND (0.002) U	0.003 (0.002) U*
di-n-octyl phthalate	117-84-0	mg/L	ND (0.002) U	ND (0.002) U	0.006 (0.002) J (d)	ND (0.002) U	ND (0.002) U	ND (0.002) U
dibenz (a,h) anthracene	53-70-3	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	ND (0.001) U	ND (0.001) U	ND (0.001) U
diethyl phthalate	84-66-2	mg/L	ND (0.002) U	ND (0.002) U	ND (0.002) UJ	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) UJ	ND (0.002) U	ND (0.002) U	ND (0.002) U
fluoranthene	206-44-0	mg/L	0.013 (0.001) J	0.002 (0.001) J	0.012 (0.001) J	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) UJ	ND (0.001) U	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) UJ	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) UJ	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) UJ	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) UJ	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) UJ	ND (0.001) U	ND (0.001) U	ND (0.001) U
isophorone	78-59-1	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	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) UJ	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) UJ	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) UJ	ND (0.001) U	ND (0.001) U	ND (0.001) U
pentachlorophenol	87-86-5	mg/L	ND (0.003) U	ND (0.003) U	ND (0.003) UJ	ND (0.003) U	ND (0.003) U	ND (0.003) U
phenanthrene	85-01-8	mg/L	ND (0.001) U	ND (0.001) U	ND (0.001) UJ	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) UJ	ND (0.001) U	ND (0.001) U	ND (0.001) U
pyrene	129-00-0	mg/L	0.001 (0.001) J	0.001 (0.001) J	0.001 (0.001) J	ND (0.001) U	ND (0.001) U	ND (0.001) U

NOTES:

(a) Listed on chain-of-custody documentation as sample SW-12.
(b) Courtesy Ford dealership stormwater outfall.
(c) Target Compound List (TCL) base neutral-acid-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 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.
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 4-4

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)	108-60-1	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) J	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	150 (25)	0.44 (0.043)	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)	0.093 (0.085) J	ND (0.8)	0.11 (0.084) J	ND (0.078) U
3-nitroaniline	99-09-2	mg/kg	ND (0.079) U	ND (1)	ND (0.085) U	ND (0.8)	ND (0.084) U	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)	140 (20) J	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)	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) J	0.88 (0.042)	ND (0.039) U
benzo (a) anthracene	56-55-3	mg/kg	0.062 (0.039) J	330 (25)	27 (0.85)	100 (20) J	0.93 (0.042)	ND (0.039) U
benzo (a) pyrene	50-32-8	mg/kg	0.056 (0.039) J	130 (25) J	49 (0.85)	33 (0.4)	0.97 (0.042)	ND (0.039) U
benzo (b) fluoranthene	205-99-2	mg/kg	0.120 (0.039) J	180 (25) J	78 (0.85)	46 (0.4)	1.4 (0.042)	ND (0.039) U
benzo (ghi) perylene	191-24-2	mg/kg	0.046 (0.039) J	36 (0.51)	32 (0.85)	9.5 (0.4)	0.42 (0.042)	ND (0.039) U
benzo (k) fluoranthene	207-08-9	mg/kg	ND (0.039) U	64 (0.51)	23 (0.85)	18 (0.4)	0.5 (0.042)	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) J (c)	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	590 (25)	0.97 (0.043)	100 (20) J	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)	76 (20) J	1.3 (0.042)	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)	3.3 (0.4) J	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)	150 (20) J	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)	470 (20)	2 (0.042)	ND (0.039) U
fluorene	86-73-7	mg/kg	ND (0.039) U	120 (25)	1 (0.043)	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 (0.085) U	ND (0.8)	ND (0.084) U	ND (0.078) 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)	12 (0.4)	0.54 (0.042)	ND (0.039) U
isophorone	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)	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)	870 (20)	0.66 (0.042)	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)	300 (20)	1.6 (0.042)	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.
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 4-4
(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-09 (Duplicate)[a]	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 (0.041) U	ND (0.04) U	ND (0.037) U	ND (0.039) UJ	ND (0.04) U	ND (0.045) 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	7005-72-3	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
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)	0.87 (0.037)	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)	0.5 (0.037)	0.89 (0.039) J	0.12 (0.04) J	ND (0.045) U
phenol	108-95-2	mg/kg	ND (0.0008 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)	0.72 (0.037)	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)

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 thatn 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'	
Polycyclic Aromatic Hydrocarbons (PAHs)								
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)	U*	0.22		ND (0.011)	
Anthracene	120-12-7	mg/kg	ND (0.00053)	U*	0.111		ND (0.0057)	
Fluoranthene	206-44-0	mg/kg	ND (0.00053)	U*	0.297		ND (0.0057)	
Pyrene	129-00-0	mg/kg	ND (0.0026)	U*	0.31		ND (0.028)	U*
Benz(a)anthracene	56-55-3	mg/kg	ND (0.00026)	U*	0.107		ND (0.0028)	U*
Chrysene	218-01-9	mg/kg	ND (0.0011)	U*	ND (0.011)	U*	ND (0.011)	U*
Benzo(b)fluoranthene	205-99-2	mg/kg	0.00076	J	0.095		0.0031	J
Benzo(k)fluoranthene	207-08-9	mg/kg	0.00051	J	0.051		0.0026	J
Benzo(a)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)	
Benzo(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)	
Other Parameters								
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 Area

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	GEO-46/0-1'		GEO-46/2-3'		GEO-46/5-6'	
Polycyclic Aromatic Hydrocarbons (PAHs)								
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
Benz(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
Other Parameters								
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 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-47/0-1'		GEO-47/2-3'		GEO-47/5-6'	GEO-47/7-8'	
Polycyclic Aromatic Hydrocarbons (PAHs)									
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,i)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
Other Parameters									
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.

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 (0.16)	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
Benz(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 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-60/0-1'		GEO-60/0-1' Duplicate[a]		GEO-60/2-3'		GEO-60/5-6'	
Polycyclic Aromatic Hydrocarbons (PAHs)										
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*	ND (0.032)	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	J
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	J
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	0.0052	J
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	J
Benzo(g,h,i)perylene	191-24-2	mg/kg	0.26	J	0.19	J	0.0074	J	0.0067	J
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.29		0.19	J	0.0083	J	0.0078	J
Other Parameters										
Moisture		%	4.32%		4.33%		8.09%		14.5%	

Notes:

(a) Identified as sample "GEO-60/7-8'" 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	
Polycyclic Aromatic Hydrocarbons (PAHs)										
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)	U*	ND (0.029)	
Fluoranthene	206-44-0	µg/L	0.88	J	0.068	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 (0.064)		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.

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]
Polycyclic Aromatic Hydrocarbons (PAHs)							
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) U*	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-4I" 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
Polycyclic Aromatic Hydrocarbons (PAHs)						
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*	0.41	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
Polycyclic Aromatic Hydrocarbons (PAHs)						
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	
Polycyclic Aromatic Hydrocarbons (PAHs)									
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	J	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)	ND (0.058)	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	
Polycyclic Aromatic Hydrocarbons (PAHs)								
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*	ND (0.058)	
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	
Polycyclic Aromatic Hydrocarbons (PAHs)									
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*	ND (0.77)	
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
Polycyclic Aromatic Hydrocarbons (PAHs)						
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]
Polycyclic Aromatic Hydrocarbons (PAHs)								
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	J	ND (0.80)		ND (0.85)	ND (0.79)
Fluorene	86-73-7	µg/L	0.44	J	ND (0.17)		ND (0.18)	ND (0.17)
Phenanthrene	85-01-8	µg/L	0.198	J	ND (0.070)		ND (0.075)	ND (0.069)
Anthracene	120-12-7	µg/L	ND (0.029)	U*	ND (0.030)		ND (0.032)	ND (0.030)
Fluoranthene	206-44-0	µg/L	ND (0.029)		0.044	J	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 rinsate blanks.

Table 4-6

Summary of Sediment Analytical Results
Onsite Ditches

Gulf States Creosoting Site
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	SD-18	SD-19	SD-20	SD-21	SD-22	SD-23
Polycyclic Aromatic Hydrocarbons (PAHs)								
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(a)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
Other Parameters								
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
Hattiesburg, Mississippi

Analytical Parameter	CAS Number	Units	SD-12	SD-12 Duplicate[a]	SD-13	SD-14	SD-15	SD-16	SD-17
Polycyclic Aromatic Hydrocarbons (PAHs)									
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
Other Parameters									
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 rinsate blanks.

Table 3-1

Summary of Soil Analytical Results

Gulf States Creosoting 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'
Polycyclic Aromatic Hydrocarbons (PAHs)								
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)
Other Parameters								
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'
Polycyclic Aromatic Hydrocarbons (PAHs)								
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
Indeno(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
Other Parameters								
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.

le 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'	
Polycyclic Aromatic Hydrocarbons (PAHs)											
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	J	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	
Other Parameters											
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-f
(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		0.31	J	1700		45	J	53	J	1200	J
Acenaphthylene	208-96-8	mg/kg	0.29	J	0.046	J	ND (130)		ND (6.5)		ND (16)		ND (140)	
Acenaphthene	83-32-9	mg/kg	0.046	J	ND (0.033)		700	J	16	J	21	J	550	J
Fluorene	86-73-7	mg/kg	0.12		0.048		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	J	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	J	180		4.6		3.8	J	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	0.001	J	14	J	0.19	J	ND (0.30)		4.7	J
Benzo(g,h,i)perylene	191-24-2	mg/kg	0.0051	J	0.0033	J	24	J	ND (0.36)		ND (0.89)		8.4	J
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.0074	J	0.0037	J	43	J	0.35	J	ND (0.60)		ND (5.2)	
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
Polycyclic Aromatic Hydrocarbons (PAHs)					
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'
Polycyclic Aromatic Hydrocarbons (PAHs)						
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)
Other Parameters						
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'
Polycyclic Aromatic Hydrocarbons (PAHs)						
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)
Other Parameters						
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.

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-86/8-10'	GEO-86/12-14'	GEO-86/16-18'
Polycyclic Aromatic Hydrocarbons (PAHs)						
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)
Other Parameters						
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.