APPENDIX A

DETECTED COMPOUNDS IN FILL AREA SAMPLES OF VARIOUS MEDIA

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A1-3	Detected Compounds in Sediment Samples, Landfill No. 1, Parcel 78(6)
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Table A1-1
Detected Compounds in Surface Soil Samples
Landfill No. 1, Parcel 78(6)
Fort McClellan, Calhoun County, Alabama

				Parcel																					
				Sample Location	FA-78					LF1-S02 FA-78					LF1-S02 FA-78					LF1-S04 FA-78				
				Sample Number	UB02433					UB02620					UB02621					UB02413				
				Sample Date	27-Apr-94					29-Apr-94					29-Apr-94					26-Apr-94				
				Sample Depth (Feet)	0- 1					0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
PESTICIDES																									
4,4'-DDE	mg/kg		1.79E+00	2.50E-03	ND					1.10E-02				YES	5.18E-03				YES	ND				
METALS																									
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	3.12E+04		YES	YES	YES	1.98E+04		YES	YES	YES	1.92E+04		YES	YES	YES	2.07E+04		YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.29E+00			YES		7.07E+00			YES		3.45E+00			YES		8.76E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.15E+02					1.82E+02		YES		YES	9.79E+01					1.32E+02		YES		
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.98E+00		YES		YES	3.16E+00		YES		YES	1.52E+00		YES		YES	1.76E+00		YES		YES
Boron	mg/kg	NA	NA	NA	9.64E+00					ND					1.09E+01					ND				
Calcium	mg/kg	1.72E+03	NA	NA	9.29E+01					1.52E+03					1.51E+03					8.35E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	3.14E+01			YES	YES	2.24E+01				YES	2.16E+01				YES	3.07E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	6.11E+00					1.86E+01		YES			ND					1.41E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	5.07E+01		YES		YES	5.34E+01		YES		YES	2.40E+01		YES			1.86E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	6.90E+04		YES	YES	YES	8.00E+04		YES	YES	YES	2.71E+04			YES	YES	5.44E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.58E+01					2.04E+01					1.62E+01					2.00E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	8.31E+03		YES			3.21E+03		YES			2.97E+03		YES			1.86E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	9.81E+01					1.65E+02				YES	2.19E+01					7.67E+01				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	4.03E+01		YES		YES	2.50E+01		YES			1.48E+01		YES			1.39E+01		YES		
Potassium	mg/kg	8.00E+02	NA		1.97E+03		YES			1.27E+03		YES			1.61E+03		YES			1.04E+03		YES		
Sodium	mg/kg	6.34E+02	NA		1.06E+02					3.83E+02					3.78E+02					1.27E+02				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.73E+01				YES	4.37E+01				YES	2.39E+01				YES	4.41E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.25E+02		YES		YES	8.00E+01		YES		YES	3.98E+01					3.69E+01				
SEMIVOLATILE ORGANIC COMPOUNDS																									
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND					1.70E-01					ND					ND				
Benzyl Alcohol	mg/kg	NA	NA	NA	ND					ND					5.70E-02					ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND					1.70E-01					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					1.90E-01				YES	ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					2.50E-01				YES	ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					2.80E-01				YES	ND					ND				

Table A1-2
Detected Compounds in Subsurface Soil Samples
Landfill No. 1, Parcel 78(6)
Fort McClellan, Calhoun County, Alabama

Parcel				LF1-S01				LF1-S02				LF1-S03				LF1-S03				LF1-S04			
Sample Location				FA-78				FA-78				FA-78				FA-78				FA-78			
Sample Number				UB02434				UB02622				UB02186				UB02187				UB02414			
Sample Date				27-Apr-94				29-Apr-94				19-Apr-94				19-Apr-94				26-Apr-94			
Sample Depth (Feet)				4 - 12				2 - 7				1-2				5-6				2 - 5			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																							
4,4'-DDD	mg/kg	NA	2.54E+00	ND				ND				1.25E-02				ND				ND			
4,4'-DDE	mg/kg	NA	1.79E+00	ND				ND				2.87E-02				ND				ND			
4,4'-DDT	mg/kg	NA	1.79E+00	ND				ND				1.81E-02				ND				ND			
METALS																							
Aluminum	mg/kg	1.36E+04	7.80E+03	2.89E+04		YES	YES	1.76E+04		YES	YES	3.78E+04		YES	YES	3.20E+04		YES	YES	2.56E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	8.33E+00		YES	YES	ND												ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	7.39E+00			YES	ND				ND				ND				7.13E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	5.28E+01				8.00E+01				1.75E+02				2.04E+02				1.15E+02			
Beryllium	mg/kg	NA	9.60E+00	1.53E+00		YES		6.90E-01				1.39E+00		YES		1.50E+00		YES		2.52E+00		YES	
Boron	mg/kg	NA	NA	8.50E+00				1.09E+01				1.39E+01				1.40E+01				ND			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	1.36E+03		YES		1.80E+03		YES		1.11E+03		YES		2.31E+03		YES		2.33E+03		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	2.69E+01			YES	2.02E+01				3.33E+01			YES	3.04E+01			YES	2.78E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	2.58E+01		YES		ND				1.37E+01				1.27E+01				2.79E+01		YES	
Copper	mg/kg	1.94E+01	3.13E+02	5.24E+01		YES		1.56E+01				2.13E+01		YES		3.89E+01		YES		5.03E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	5.77E+04		YES	YES	1.08E+04			YES	4.23E+04			YES	5.26E+04		YES	YES	8.00E+04		YES	YES
Lead	mg/kg	3.85E+01	4.00E+02	3.40E+01				1.66E+01				1.50E+01				2.60E+01				3.00E+01			
Magnesium	mg/kg	7.66E+02	NA	9.66E+03		YES		2.52E+03		YES		3.31E+03		YES		1.02E+04		YES		7.82E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	1.94E+02				2.47E+01				7.47E+01				9.67E+01				2.48E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	ND				ND				ND				ND				ND			
Nickel	mg/kg	1.29E+01	1.54E+02	3.09E+01		YES		8.76E+00				2.13E+01		YES		3.32E+01		YES		4.69E+01		YES	
Potassium	mg/kg	7.11E+02	NA	1.45E+03		YES		1.31E+03		YES		2.70E+03		YES		3.81E+03		YES		1.57E+03		YES	
Sodium	mg/kg	7.02E+02	NA	2.30E+02				1.81E+02				2.35E+02				2.06E+02				1.73E+02			
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	3.59E+01				1.02E+01				5.46E+01			YES	4.64E+01				5.18E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.39E+02		YES		3.74E+01		YES		3.43E+01				9.91E+01		YES		1.54E+02		YES	
SEMIVOLATILE ORGANIC COMPOUNDS																							
2-Methylnaphthalene	mg/kg	NA	1.55E+02	ND				ND				ND				ND				ND			
Diethyl phthalate	mg/kg	NA	6.23E+03	ND				ND				ND				ND				ND			
Naphthalene	mg/kg	NA	1.55E+02	ND				ND				ND				ND				ND			
Phenanthrene	mg/kg	NA	2.32E+03	ND				ND				ND				ND				ND			
Pyrene	mg/kg	NA	2.33E+02	ND				ND				ND				ND				ND			
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	ND				ND				ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS																							
1,2,4-Trimethylbenzene	mg/kg	NA	3.88E+02																				
1,2-Dichlorobenzene	mg/kg	NA	6.99E+02																				
1,2-Dimethylbenzene	mg/kg	NA	1.55E+04																				
1,4-Dichlorobenzene	mg/kg	NA	2.62E+01																				
2-Butanone	mg/kg	NA	4.66E+03	ND				ND				ND				ND				ND			
Acetone	mg/kg	NA	7.76E+02	ND				ND				ND				ND				ND			
Carbon disulfide	mg/kg	NA	7.77E+02	ND				ND				ND				ND				ND			
Chlorobenzene	mg/kg	NA	1.55E+02	ND				ND				ND				ND				ND			
Cumene	mg/kg	NA	7.77E+02																				
Methylene chloride	mg/kg	NA	8.41E+01	ND				ND				ND				ND				ND			
Naphthalene	mg/kg	NA	1.55E+02																				
Toluene	mg/kg	NA	1.55E+03	ND				ND				ND				ND				ND			
Trichlorofluoromethane	mg/kg	NA	2.33E+03																				
n-Butylbenzene	mg/kg	NA	7.77E+01																				
n-Propylbenzene	mg/kg	NA	7.77E+01																				
o-Chlorotoluene	mg/kg	NA	1.55E+02																				
p-Cymene	mg/kg	NA	1.55E+03																				
sec-Butylbenzene	mg/kg	NA	7.77E+01																				
tert-Butylbenzene	mg/kg	NA	7.77E+01																				

Table A1-3
Detected Compounds in Sediment Samples
Landfill No. 1, Parcel 78(6)
Fort McClellan, Calhoun County, Alabama

				Parcel	LF1-D02					LF1-D02				
				Sample Location	FA-78					FA-78				
				Sample Number	UB03748					UB03749				
				Sample Date	9-Jun-94					9-Jun-94				
				Sample Depth (Feet)	0-					0-				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
PESTICIDES														
4,4'-DDT	mg/kg	NA	1.66E+02	3.30E-03	ND					5.17E-03				YES
4,4'-DDT	mg/kg	NA	1.66E+02	3.30E-03	ND					ND				
METALS														
Aluminum	mg/kg	8.59E+03	1.15E+06	NA	6.62E+03					7.44E+03				
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	5.92E+00					1.60E+01		YES		YES
Barium	mg/kg	9.89E+01	8.36E+04	NA	2.47E+02		YES			4.67E+01				
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	7.93E-01					8.54E-01				
Calcium	mg/kg	1.11E+03	NA	NA	2.97E+04		YES			5.41E+04		YES		
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	2.37E+01					1.61E+01				
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	9.67E+00					8.23E+00				
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	1.21E+01					1.33E+01				
Iron	mg/kg	3.53E+04	3.59E+05	NA	3.86E+04		YES			2.95E+04				
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	1.36E+01					1.69E+01				
Magnesium	mg/kg	9.06E+02		NA	1.64E+04		YES			3.05E+04		YES		
Manganese	mg/kg	7.12E+02	4.38E+04	NA	1.60E+03		YES			3.38E+02				
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	9.52E+00					1.04E+01				
Potassium	mg/kg	1.01E+03	NA	NA	2.94E+02					4.74E+02				
Sodium	mg/kg	6.92E+02	NA	NA	ND					8.45E+01				
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	3.38E+01					1.98E+01				
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	4.16E+01					5.01E+01				
SEMIVOLATILE ORGANIC COMPOUNDS														
Benzyl Alcohol	mg/kg	NA	NA	NA	ND					5.90E-02				

Table A1-4
Detected Compounds in Surface Water Samples
Landfill No. 1, Parcel 78
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date					LF1-W02 FA-78 UB03687 8-Jun-94				
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**ESV[c]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**>ESV**
EXPLOSIVES									
1,3-Dinitrobenzene	mg/L		1.54E-03	2.00E-02	7.07E-04				
METALS									
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	4.61E-01				YES
Arsenic	mg/L	2.10E-03	7.30E-04	1.90E-01	5.48E-03		YES	YES	
Barium	mg/L	7.53E-02	1.10E+00	3.90E-03	3.71E-02				YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	2.31E+01				
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	9.10E-01				
Lead	mg/L	8.60E-03	1.50E-02	1.32E-03	7.84E-03				YES
Magnesium	mg/L	1.10E+01	NA	8.20E+01	1.04E+01				
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	2.18E-02				
Sodium	mg/L	3.44E+00	NA	6.80E+02	5.34E+00	I	YES		
VOLATILE ORGANIC COMPOUNDS									
1,1,1-Trichloroethane	mg/L	NA	2.78E+00	5.28E-01	1.50E-03				
Chlorobenzene	mg/L	NA	2.38E-01	1.95E-01	1.90E-03				

Table A1-5
Detected Compounds in Groundwater Samples
Landfill No. 1, Parcel 78(6)
Fort McClellan, Calhoun County, Alabama
(Page 1 of 2)

Parcel Sample Location Sample Number Sample Date				LF1-G01 FA-78 LF1-G01-971003 3-Oct-97				LF1-G01 FA-78 A-0001 12-Feb-98				LF1-G02 FA-78 A-0002 12-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES															
gamma-BHC (Lindane)	mg/L	NA	5.00E-05												
gamma-BHC (Lindane)	mg/L	NA	5.00E-05												
METALS															
Aluminum	mg/L	2.34E+00	1.56E+00	1.45E+00				ND				2.13E-01			
Barium	mg/L	1.27E-01	1.10E-01	5.11E-02				ND				ND			
Cadmium	mg/L	2.51E-03	7.80E-04	1.00E-04				ND				ND			
Calcium	mg/L	5.65E+01	NA	1.74E+01				4.20E+01				8.69E+01		YES	
Iron	mg/L	7.04E+00	4.69E-01	2.12E+00			YES	1.22E-01				3.59E-01			
Magnesium	mg/L	2.13E+01	NA	8.25E+00				1.24E+01				6.00E+01		YES	
Manganese	mg/L	5.81E-01	7.35E-02	2.26E-01			YES	1.17E-01			YES	4.88E-01			YES
Potassium	mg/L	7.20E+00	NA	7.35E-01				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.12E+01				1.35E+01				4.74E+01		YES	
Zinc	mg/L	2.20E-01	4.69E-01	ND				3.24E-02				2.42E-02			
Lead	mg/L	7.99E-03	1.50E-02	1.40E-03				ND				3.20E-03	B		
SEMIVOLATILE ORGANIC COMPOUNDS															
Di-n-butyl phthalate	mg/L	NA	1.48E-01					2.70E-03	J			3.70E-03	J		
VOLATILE ORGANIC COMPOUNDS															
1,1,1-Trichloroethane	mg/L	NA	3.05E-01					ND				ND			
Acetone	mg/L	NA	1.56E-01					1.40E-02	B			ND			
Methylene chloride	mg/L	NA	7.85E-03					4.90E-04	B			4.50E-04	B		
Toluene	mg/L	NA	2.59E-01					2.20E-04	B			1.80E-04	B		
WET CHEMISTRY															
Chloride	mg/L	NA	NA	4.93E+00				NR				NR			
Sulfate	mg/L	NA	NA	3.60E+01				NR				NR			
Alkalinity, Bicarbonate	mg/L	NA	NA	7.00E+01				NR				NR			
Alkalinity	mg/L	NA	NA	7.00E+01				NR				NR			
Nitrite, Nitrate	mg/L	NA	NA	2.46E-01				NR				NR			
Phosphate	mg/L	NA	NA	4.25E-02				NR				NR			

Table A1-5
Detected Compounds in Groundwater Samples
Landfill No. 1, Parcel 78(6)
Fort McClellan, Calhoun County, Alabama
(Page 2 of 2)

Parcel Sample Location Sample Number Sample Date				LF1-G03 FA-78 A-0005 12-Feb-98				LF1-G04 FA-78 UB04503 4-Jul-94				LF1-G04 FA-78 UC00357 31-Jan-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES															
gamma-BHC (Lindane)	mg/L	NA	5.00E-05					ND				1.03E-05			
gamma-BHC (Lindane)	mg/L	NA	5.00E-05					ND				ND			
METALS															
Aluminum	mg/L	2.34E+00	1.56E+00	ND				2.87E+00		YES	YES	2.02E-01			
Barium	mg/L	1.27E-01	1.10E-01	6.18E-01		YES	YES	6.29E-01		YES	YES	4.95E-01		YES	YES
Cadmium	mg/L	2.51E-03	7.80E-04	ND				ND				ND			
Calcium	mg/L	5.65E+01	NA	9.94E+01		YES		4.40E+01				3.09E+01			
Iron	mg/L	7.04E+00	4.69E-01	6.11E-01			YES	5.16E+00			YES	3.68E-01			
Magnesium	mg/L	2.13E+01	NA	3.43E+01		YES		1.39E+01				1.20E+01			
Manganese	mg/L	5.81E-01	7.35E-02	1.44E+00		YES	YES	1.89E-01			YES	8.49E-02			YES
Potassium	mg/L	7.20E+00	NA	ND				1.70E+00				2.30E+00			
Sodium	mg/L	1.48E+01	NA	2.39E+01		YES		4.93E+01		YES		4.34E+01		YES	
Zinc	mg/L	2.20E-01	4.69E-01	2.18E-02				ND				ND			
Lead	mg/L	7.99E-03	1.50E-02	ND				7.21E-03				ND			
SEMIVOLATILE ORGANIC COMPOUNDS															
Di-n-butyl phthalate	mg/L	NA	1.48E-01	1.20E-02				ND				ND			
VOLATILE ORGANIC COMPOUNDS															
1,1,1-Trichloroethane	mg/L	NA	3.05E-01	ND				2.10E-03				1.60E-03			
Acetone	mg/L	NA	1.56E-01	ND				ND				ND			
Methylene chloride	mg/L	NA	7.85E-03	ND				ND				ND			
Toluene	mg/L	NA	2.59E-01	1.80E-04	B			ND				ND			
WET CHEMISTRY															
Chloride	mg/L	NA	NA	NR											
Sulfate	mg/L	NA	NA	NR											
Alkalinity, Bicarbonate	mg/L	NA	NA	NR											
Alkalinity	mg/L	NA	NA	NR											
Nitrite, Nitrate	mg/L	NA	NA	NR											
Phosphate	mg/L	NA	NA	NR											

Table A1-6
Detected Compounds in Fill Material Samples
Landfill No. 1, Parcel 78(6)
Fort McClellan, Calhoun County, Alabama

Parcel				FA-78-SB01				FA-78-SB01				FA-78-SB02				FA-78-SB03			
Sample Location				FA-78				FA-78				FA-78				FA-78			
Sample Number				DD0001				DD0027				DD0002				DD0003			
Sample Date				22-Mar-00				22-Mar-00				22-Mar-00				21-Mar-00			
Sample Depth (Feet)				8-10				14 - 15				12-15				8-13			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.60E-02				1.70E-01				2.80E-03				ND			
4,4'-DDE	mg/kg	NA	1.79E+00	9.10E-03				4.20E-03	J			1.00E-03	J			9.20E-04	J		
4,4'-DDT	mg/kg	NA	1.79E+00	8.20E-04	J			3.90E-03	J			ND				ND			
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	8.29E+03			YES	6.33E+03				1.01E+04			YES	1.61E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	7.90E-01	J			ND				ND				1.10E+00	J		
Arsenic	mg/kg	1.83E+01	4.26E-01	2.20E+01		YES	YES	5.30E+00			YES	3.00E+00			YES	1.04E+01			YES
Barium	mg/kg	2.34E+02	5.47E+02	1.70E+02				9.90E+01				1.03E+02				9.36E+01			
Beryllium	mg/kg	NA	9.60E+00	1.20E+00		YES		7.10E-01	J			9.20E-01		YES		6.10E-01	J		
Boron	mg/kg	NA	NA	NR				NR				NR				NR			
Cadmium	mg/kg	2.20E-01	6.25E+00	2.80E-01	J	YES		ND				ND				ND			
Calcium	mg/kg	6.37E+02	NA	4.53E+03	J	YES		3.22E+03	J	YES		9.58E+02	J	YES		2.15E+03	J	YES	
Chromium	mg/kg	3.83E+01	2.32E+01	3.36E+01	J		YES	1.64E+01	J			1.57E+01	J			2.98E+01	J		YES
Cobalt	mg/kg	1.75E+01	4.68E+02	1.24E+01				6.40E+00	J			4.70E+00	J			4.30E+00	J		
Copper	mg/kg	1.94E+01	3.13E+02	4.15E+01	J	YES		1.82E+01	J			2.01E+01	J	YES		7.17E+01	J	YES	
Iron	mg/kg	4.48E+04	2.34E+03	3.96E+04			YES	1.74E+04			YES	1.85E+04			YES	4.42E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	4.76E+01	J	YES		9.47E+01	J	YES		2.21E+01	J			1.96E+01	J		
Magnesium	mg/kg	7.66E+02	NA	1.55E+03		YES		1.31E+03		YES		2.28E+03		YES		8.82E+02		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.54E+02				1.97E+02				2.68E+01				8.23E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	2.20E-01		YES		4.90E-01		YES		4.60E-02				8.30E-02		YES	
Nickel	mg/kg	1.29E+01	1.54E+02	2.90E+01		YES		1.31E+01		YES		1.53E+01		YES		8.00E+00			
Potassium	mg/kg	7.11E+02	NA	7.34E+02		YES		6.76E+02	J			7.22E+02		YES		1.05E+03		YES	
Sodium	mg/kg	7.02E+02	NA	1.28E+02	J			ND				1.12E+02	J			ND			
Thallium	mg/kg	1.40E+00	5.08E-01	5.40E-01	B		YES	ND				ND				8.60E-01	B		YES
Vanadium	mg/kg	6.49E+01	5.31E+01	2.96E+01				1.74E+01				2.50E+01				5.40E+01			YES
Zinc	mg/kg	3.49E+01	2.34E+03	4.51E+02		YES		1.11E+02		YES		4.97E+01		YES		5.08E+01		YES	
SEMIVOLATILE ORGANIC COMPOUNDS																			
2-Methylnaphthalene	mg/kg	NA	1.55E+02	ND				1.50E-01	J			ND				ND			
Diethyl phthalate	mg/kg	NA	6.23E+03	ND				ND				ND				5.90E-02	J		
Naphthalene	mg/kg	NA	1.55E+02	ND				1.40E-01	J			ND				ND			
Phenanthrene	mg/kg	NA	2.32E+03	ND				5.50E-02	J			ND				ND			
Pyrene	mg/kg	NA	2.33E+02	ND				ND				ND				6.70E-02	J		
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	2.00E-01	B			3.80E-01	B			2.10E+00				3.30E+00			
VOLATILE ORGANIC COMPOUNDS																			
1,2,4-Trimethylbenzene	mg/kg	NA	3.88E+02	2.00E-03	J			5.20E-03	J			8.80E-04	J			ND			
1,2-Dichlorobenzene	mg/kg	NA	6.99E+02	ND				7.50E-03	J			ND				ND			
1,2-Dimethylbenzene	mg/kg	NA	1.55E+04	ND				2.30E-03	J			ND				ND			
1,4-Dichlorobenzene	mg/kg	NA	2.62E+01	ND				1.10E-02				ND				ND			
2-Butanone	mg/kg	NA	4.66E+03	ND				ND				5.30E-03	B			ND			
Acetone	mg/kg	NA	7.76E+02	1.90E-01	J			2.90E-02	B			1.50E-02	B			ND			
Carbon disulfide	mg/kg	NA	7.77E+02	ND				3.40E-03	J			1.60E-03	J			ND			
Chlorobenzene	mg/kg	NA	1.55E+02	ND				1.20E-02				ND				ND			
Cumene	mg/kg	NA	7.77E+02	1.80E-03	J			1.60E-02				7.90E-04	J			ND			
Methylene chloride	mg/kg	NA	8.41E+01	4.80E-03	B			7.90E-03	B			4.20E-03	B			5.00E-03	B		
Naphthalene	mg/kg	NA	1.55E+02	6.40E-03	B			3.10E-02				3.50E-03	B			ND			
Toluene	mg/kg	NA	1.55E+03	ND				1.50E-03	J			ND				ND			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	2.80E-03	J			3.50E-03	J			1.70E-03	J			1.80E-03	J		
n-Butylbenzene	mg/kg	NA	7.77E+01	ND				1.90E-02				1.10E-03	J			ND			
n-Propylbenzene	mg/kg	NA	7.77E+01	2.10E-03	J			1.80E-02				ND				ND			
o-Chlorotoluene	mg/kg	NA	1.55E+02	ND				6.40E-03	J			ND				ND			
p-Cymene	mg/kg	NA	1.55E+03	2.60E-03	J			7.30E-02				6.10E-03				ND			
sec-Butylbenzene	mg/kg	NA	7.77E+01	6.10E-03	J			2.80E-02				1.60E-03	J			ND			
tert-Butylbenzene	mg/kg	NA	7.77E+01	1.90E-03	J			8.80E-03	J			1.00E-03	J			ND			

Table A2-1
Detected Compounds in Fill Material Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-79			
			Sample Location	FA-79-SB01			
			Sample Number	DD0004			
			Sample Date	23-Mar-00			
			Sample Depth (Feet)	6-10			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL
PESTICIDES							
Methoxychlor	mg/kg		3.89E+01	2.00E-03	J		
METALS							
Aluminum	mg/kg	1.36E+04	7.80E+03	1.13E+04			YES
Antimony	mg/kg	1.31E+00	3.11E+00	3.50E+00	J	YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01	4.25E+01		YES	YES
Barium	mg/kg	2.34E+02	5.47E+02	1.13E+03		YES	YES
Beryllium	mg/kg	8.60E-01	9.60E+00	1.20E+00		YES	
Cadmium	mg/kg	2.20E-01	6.25E+00	2.60E+00		YES	
Calcium	mg/kg	6.37E+02		2.32E+04		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	4.92E+01		YES	YES
Cobalt	mg/kg	1.75E+01	4.68E+02	1.31E+01			
Copper	mg/kg	1.94E+01	3.13E+02	2.22E+02		YES	
Iron	mg/kg	4.48E+04	2.34E+03	1.26E+05		YES	YES
Lead	mg/kg	3.85E+01	4.00E+02	2.01E+03		YES	YES
Magnesium	mg/kg	7.66E+02		2.17E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	9.85E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	2.90E-01		YES	
Nickel	mg/kg	1.29E+01	1.54E+02	7.23E+01		YES	
Potassium	mg/kg	7.11E+02		1.68E+03		YES	
Silver	mg/kg	2.40E-01	3.91E+01	8.80E-01	J	YES	
Sodium	mg/kg	7.02E+02		4.49E+02	J		
Thallium	mg/kg	1.40E+00	5.08E-01	8.90E-01	J		YES
Vanadium	mg/kg	6.49E+01	5.31E+01	4.22E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	3.42E+03	J	YES	YES
SEMIVOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	mg/kg		8.51E-01	3.70E-02	J		
Benzo(a)pyrene	mg/kg		8.51E-02	5.50E-02	J		
Benzo(b)fluoranthene	mg/kg		8.51E-01	4.80E-02	J		
Benzo(ghi)perylene	mg/kg		2.32E+02	6.70E-02	J		
Benzo(k)fluoranthene	mg/kg		8.51E+00	5.30E-02	J		
Chrysene	mg/kg		8.61E+01	5.10E-02	J		
Fluoranthene	mg/kg		3.09E+02	4.90E-02	J		
Indeno(1,2,3-cd)pyrene	mg/kg		8.51E-01	4.50E-02	J		
Pyrene	mg/kg		2.33E+02	5.60E-02	J		
bis(2-Ethylhexyl)phthal	mg/kg		4.52E+01	1.00E-01	B		
VOLATILE ORGANIC COMPOUNDS							
Acetone	mg/kg		7.76E+02	9.60E-03	B		
Benzene	mg/kg		2.17E+01	1.40E-03	J		
Methylene chloride	mg/kg		8.41E+01	4.10E-03	B		
Naphthalene	mg/kg		1.55E+02	2.00E-03	B		
Toluene	mg/kg		1.55E+03	1.60E-03	J		

Table A2-2

Detected Compounds in Surface Soil Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)					FA-79-SS01 FA-79 DD0028 1-Mar-01 0- 1					FA-79-SS02 FA-79 DD0029 1-Mar-01 0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS														
Aluminum	mg/kg	16306	7803.22	50	16600		YES	YES	YES	15400			YES	YES
Antimony	mg/kg	1.99	3.10898	3.5	13.1	J	YES	YES	YES	11.9	J	YES	YES	YES
Arsenic	mg/kg	13.73	0.42621	10	29.1		YES	YES	YES	43.6		YES	YES	YES
Barium	mg/kg	123.94	547.121	165	963		YES	YES	YES	1110		YES	YES	YES
Beryllium	mg/kg	0.8	9.59684	1.1	2.15		YES		YES	1.31	J	YES		YES
Cadmium	mg/kg	0.29	6.24715	1.6	3.86		YES		YES	3.13		YES		YES
Calcium	mg/kg	1723	NA	NA	22700		YES			13300		YES		
Chromium	mg/kg	37.04	23.1723	0.4	127		YES	YES	YES	140		YES	YES	YES
Cobalt	mg/kg	15.15	467.649	20	12.8					8.51				
Copper	mg/kg	12.71	312.529	40	221		YES		YES	359		YES	YES	YES
Iron	mg/kg	34154	2344.95	200	74500		YES	YES	YES	34800		YES	YES	YES
Lead	mg/kg	40.05	400	50	1370		YES	YES	YES	1870		YES	YES	YES
Magnesium	mg/kg	1033	NA	440000	4920		YES			3430		YES		
Manganese	mg/kg	1579	363.033	100	1140			YES	YES	627			YES	YES
Mercury	mg/kg	0.08	2.3255	0.1	0.215		YES		YES	0.709		YES		YES
Nickel	mg/kg	10.33	154.003	30	41.5		YES		YES	29.9		YES		
Potassium	mg/kg	799.76	NA	NA	2000		YES			1310		YES		
Selenium	mg/kg	0.48	39.0764	0.81	ND					0.695	J	YES		
Silver	mg/kg	0.36	39.1071	2	ND					ND				
Sodium	mg/kg	634.28	NA	NA	256					222				
Thallium	mg/kg	3.43	0.50807	1	1.32	J		YES	YES	1.12	J		YES	YES
Vanadium	mg/kg	58.84	53.078	2	33.9				YES	30.2				YES
Zinc	mg/kg	40.64	2340.53	50	1470		YES		YES	2960		YES	YES	YES

Table A2-2

Detected Compounds in Surface Soil Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)					FA-79-SS01 FA-79 DD0028 1-Mar-01 0- 1					FA-79-SS02 FA-79 DD0029 1-Mar-01 0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS														
Acenaphthene	mg/kg	0.702	463.446	20	1.3		YES			ND				
Anthracene	mg/kg	0.935	2325.5	0.1	3		YES		YES	ND				
Benzo(a)anthracene	mg/kg	1.193	0.85086	5.21	6.7		YES	YES	YES	ND				
Benzo(a)pyrene	mg/kg	1.42	0.08509	0.1	6		YES	YES	YES	ND				
Benzo(b)fluoranthene	mg/kg	1.659	0.85086	59.8	12		YES	YES		ND				
Benzo(ghi)perylene	mg/kg	0.955	231.723	119	2.2		YES			ND				
Carbazole	mg/kg	NA	31.0564	NA	2.4					ND				
Chrysene	mg/kg	1.397	86.0548	4.73	6.7		YES		YES	ND				
Dibenz(a,h)anthracene	mg/kg	0.72	0.08605	18.4	0.74	J	YES	YES		ND				
Dibenzofuran	mg/kg	NA	30.8964	NA	0.62	J				ND				
Fluoranthene	mg/kg	2.031	308.964	0.1	7.8		YES		YES	ND				
Fluorene	mg/kg	0.667	308.964	122	1.4		YES			ND				
Indeno(1,2,3-cd)pyrene	mg/kg	0.937	0.85086	109	2.2		YES	YES		ND				
Phenanthrene	mg/kg	1.08	2317.23	0.1	6.8		YES		YES	ND				
Pyrene	mg/kg	1.626	232.809	0.1	9.8		YES		YES	ND				
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4660.24	89.6	0.021	B				ND				
Acetone	mg/kg	NA	776.251	2.5	0.33	J				ND				
Benzene	mg/kg	NA	21.7446	0.05	0.0018	J				ND				
Methylene chloride	mg/kg	NA	84.0791	2	ND					ND				
Toluene	mg/kg	NA	1554.49	0.05	ND					ND				
p-Cymene	mg/kg	NA	1553.41	NA	ND					ND				

Table A2-2

Detected Compounds in Surface Soil Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)					FA-79-SS03 FA-79 DD0030 1-Mar-01 0- 1					FA-79-SS04 FA-79 DD0031 2-Mar-01 0- 1					FA-79-SS05 FA-79 DD0032 2-Mar-01 0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	16306	7803.22	50	9420			YES	YES	8720			YES	YES	16400		YES	YES	YES
Antimony	mg/kg	1.99	3.10898	3.5	ND					ND					18.4		YES	YES	YES
Arsenic	mg/kg	13.73	0.42621	10	8.31			YES		4.38			YES		62		YES	YES	YES
Barium	mg/kg	123.94	547.121	165	130		YES			152		YES			1560		YES	YES	YES
Beryllium	mg/kg	0.8	9.59684	1.1	0.437	J				0.321	J				1.18	J	YES		YES
Cadmium	mg/kg	0.29	6.24715	1.6	0.277	J				ND					3.7		YES		YES
Calcium	mg/kg	1723	NA	NA	2330		YES			2130		YES			18300		YES		
Chromium	mg/kg	37.04	23.1723	0.4	21.3				YES	13.9				YES	127		YES	YES	YES
Cobalt	mg/kg	15.15	467.649	20	3.38					3.83					20		YES		YES
Copper	mg/kg	12.71	312.529	40	55.1		YES		YES	28.3		YES			1220		YES	YES	YES
Iron	mg/kg	34154	2344.95	200	25200			YES	YES	12400			YES	YES	160000		YES	YES	YES
Lead	mg/kg	40.05	400	50	259		YES		YES	131		YES		YES	2520		YES	YES	YES
Magnesium	mg/kg	1033	NA	440000	608					659					3710		YES		
Manganese	mg/kg	1579	363.033	100	207				YES	459			YES	YES	1730		YES	YES	YES
Mercury	mg/kg	0.08	2.3255	0.1	0.077	J				0.064	J				1.24		YES		YES
Nickel	mg/kg	10.33	154.003	30	10.5		YES			5.41					82.5		YES		YES
Potassium	mg/kg	799.76	NA	NA	348	B				381	B				1460		YES		
Selenium	mg/kg	0.48	39.0764	0.81	ND					ND					ND				
Silver	mg/kg	0.36	39.1071	2	ND					ND					24		YES		YES
Sodium	mg/kg	634.28	NA	NA	50.8	J				39.3	J				274				
Thallium	mg/kg	3.43	0.50807	1	ND					ND					1.86	J		YES	YES
Vanadium	mg/kg	58.84	53.078	2	35.8				YES	21.3				YES	25.9				YES
Zinc	mg/kg	40.64	2340.53	50	334		YES		YES	163		YES		YES	1790		YES		YES

Table A2-2

Detected Compounds in Surface Soil Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)					FA-79-SS03 FA-79 DD0030 1-Mar-01 0- 1					FA-79-SS04 FA-79 DD0031 2-Mar-01 0- 1					FA-79-SS05 FA-79 DD0032 2-Mar-01 0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthene	mg/kg	0.702	463.446	20	ND					ND					ND				
Anthracene	mg/kg	0.935	2325.5	0.1	ND					ND					ND				
Benzo(a)anthracene	mg/kg	1.193	0.85086	5.21	ND					ND					ND				
Benzo(a)pyrene	mg/kg	1.42	0.08509	0.1	ND					ND					ND				
Benzo(b)fluoranthene	mg/kg	1.659	0.85086	59.8	ND					ND					ND				
Benzo(ghi)perylene	mg/kg	0.955	231.723	119	ND					ND					ND				
Carbazole	mg/kg	NA	31.0564	NA	ND					ND					ND				
Chrysene	mg/kg	1.397	86.0548	4.73	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	0.72	0.08605	18.4	ND					ND					ND				
Dibenzofuran	mg/kg	NA	30.8964	NA	ND					ND					ND				
Fluoranthene	mg/kg	2.031	308.964	0.1	ND					ND					ND				
Fluorene	mg/kg	0.667	308.964	122	ND					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	0.937	0.85086	109	ND					ND					ND				
Phenanthrene	mg/kg	1.08	2317.23	0.1	ND					ND					ND				
Pyrene	mg/kg	1.626	232.809	0.1	ND					ND					ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4660.24	89.6	0.019	B				0.016	B				ND				
Acetone	mg/kg	NA	776.251	2.5	0.32	J				0.26	J				ND				
Benzene	mg/kg	NA	21.7446	0.05	ND					ND					ND				
Methylene chloride	mg/kg	NA	84.0791	2	ND					0.0021	B				ND				
Toluene	mg/kg	NA	1554.49	0.05	ND					0.0015	B				ND				
p-Cymene	mg/kg	NA	1553.41	NA	ND					0.0029	J				ND				

Table A2-3
Detected Compounds in Sediment Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

				Parcel	FA-79				
				Sample Location	LF2-D02				
				Sample Number	UB03751				
				Sample Date	9-Jun-94				
				Sample Depth (Feet)	0-				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV
METALS									
Aluminum	mg/kg	8.59E+03	1.15E+06		3.85E+03				
Barium	mg/kg	9.89E+01	8.36E+04		2.51E+01				
Calcium	mg/kg	1.11E+03			4.78E+02				
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	1.51E+01				
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	3.63E+00				
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	1.02E+01				
Iron	mg/kg	3.53E+04	3.59E+05		2.01E+04				
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	1.81E+01				
Magnesium	mg/kg	9.06E+02			7.35E+02				
Manganese	mg/kg	7.12E+02	4.38E+04		2.06E+02				
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	6.78E+00				
Potassium	mg/kg	1.01E+03			2.89E+02				
Vanadium	mg/kg	4.09E+01	4.83E+03		1.46E+01				
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	2.24E+01				
SEMIVOLATILE ORGANIC COMPOUNDS									
Benzyl Alcohol	mg/kg				6.60E-02				

Table A2-4
Detected Compounds in Surface Water Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

				Parcel	FA-79				
				Sample Location	LF2-W02				
				Sample Number	UB03940				
				Sample Date	14-Jun-94				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV
Metals									
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	1.57E-01				YES
Barium	mg/L	7.53E-02	1.10E+00	3.90E-03	1.85E-02				YES
Calcium	mg/L	2.52E+01		1.16E+02	1.19E+01				
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	2.55E-01				
Magnesium	mg/L	1.10E+01		8.20E+01	6.73E+00				
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	1.37E-02				
Potassium	mg/L	2.56E+00		5.30E+01	1.33E+00				
Sodium	mg/L	3.44E+00		6.80E+02	1.13E+00				

Table A2-5
Detected Compounds in Groundwater Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-79				FA-79				FA-79				FA-79				FA-79				FA-79			
			Sample Location	LF2-G01				LF2-G01				LF2-G01				LF2-G01				LF2-G01				LF2-G01			
			Sample Number	UOX027				UPB027				UPR008				UPS009				UQU003				UQV006			
			Sample Date	11-Jun-92				11-Jun-92				11-Jun-92				11-Jun-92				11-Jun-92				11-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04									ND				ND											
Aldrin	mg/L		0.00E+00									ND				ND											
alpha-BHC	mg/L		1.00E-05									ND				ND											
delta-BHC	mg/L		4.40E-04									ND				4.00E-06											
gamma-BHC (Lindane	mg/L		5.00E-05									ND				ND											
EXPLOSIVES																											
Nitroglycerine	mg/L																										
1,3,5-Trinitrobenzene	mg/L		4.69E-02																					ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00					2.11E+00			YES																
Arsenic	mg/L	1.78E-02	4.00E-05	ND																							
Barium	mg/L	1.27E-01	1.10E-01					1.93E-02																			
Beryllium	mg/L	1.24E-03	3.12E-03					ND																			
Boron	mg/L							2.71E-01																			
Cadmium	mg/L	2.51E-03	7.80E-04					ND																			
Calcium	mg/L	5.65E+01						5.37E+00																			
Chromium	mg/L		4.69E-03					ND																			
Iron	mg/L	7.04E+00	4.69E-01					3.64E+00			YES																
Lead	mg/L	7.99E-03	1.50E-02					ND																			
Magnesium	mg/L	2.13E+01						6.20E+00																			
Manganese	mg/L	5.81E-01	7.35E-02					1.02E-01			YES																
Potassium	mg/L	7.20E+00						1.63E+00																			
Sodium	mg/L	1.48E+01						1.45E+01																			
Thallium	mg/L	1.45E-03	1.00E-04					ND																			
Zinc	mg/L	2.20E-01	4.69E-01					2.87E-02																			
NOT CLASSIFIED																											
Isodrin	mg/L											ND				1.46E-05											
SEMIVOLATILE ORGANIC COMPOUNDS																											
Di-n-butyl phthalate	mg/L		1.48E-01									ND															
VOLATILE ORGANIC COMPOUNDS																											
4-Methyl-2-pentanone	mg/L		5.84E-02																	ND							
Acetone	mg/L		1.56E-01																	1.00E-01							
Methylene chloride	mg/L		7.85E-03																	ND							
Toluene	mg/L		2.59E-01																	ND							
WET CHEMISTRY																											
Chloride	mg/L																										
Sulfate	mg/L																										
Alkalinity	mg/L																										
Alkalinity, Bicarbonate	mg/L																										
Nitrite, Nitrate	mg/L																										
Phosphate	mg/L																										

Table A2-5
Detected Compounds in Groundwater Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-79				FA-79				FA-79				FA-79				FA-79				FA-79			
			Sample Location	LF2-G01				LF2-G01				LF2-G01				LF2-G01				LF2-G01				LF2-G02			
			Sample Number	UB04499				UC00335				UC00354				LF2-G01-971003				A-0007				UOX029			
			Sample Date	4-Jul-94				27-Jan-95				31-Jan-95				3-Oct-97				12-Feb-98				11-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04	ND				ND				ND								ND							
Aldrin	mg/L		0.00E+00	ND				ND				ND								ND							
alpha-BHC	mg/L		1.00E-05	ND				ND				ND								ND							
delta-BHC	mg/L		4.40E-04	ND				ND				ND								ND							
gamma-BHC (Lindane	mg/L		5.00E-05	ND				ND				ND								ND							
EXPLOSIVES																											
Nitroglycerine	mg/L			ND								ND								NR							
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND								ND								ND							
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	1.85E+00			YES					7.14E-01				5.50E-01				2.80E-01							
Arsenic	mg/L	1.78E-02	4.00E-05	ND								ND				ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	1.78E-02								1.70E-02				1.50E-02				ND							
Beryllium	mg/L	1.24E-03	3.12E-03	ND								1.11E-03				ND				ND							
Boron	mg/L			ND								ND								NR							
Cadmium	mg/L	2.51E-03	7.80E-04	ND								ND				3.00E-04				ND							
Calcium	mg/L	5.65E+01		4.68E+00								6.30E+00				5.31E+00				1.49E+02		YES					
Chromium	mg/L		4.69E-03	ND								ND				ND				ND							
Iron	mg/L	7.04E+00	4.69E-01	3.28E+00			YES					9.37E-01			YES	7.36E-01			YES	1.47E+00			YES				
Lead	mg/L	7.99E-03	1.50E-02	ND								ND				8.00E-04				ND							
Magnesium	mg/L	2.13E+01		6.21E+00								7.78E+00				6.07E+00				7.53E+01		YES					
Manganese	mg/L	5.81E-01	7.35E-02	3.91E-02								2.88E-02				3.39E-02				1.33E+00		YES	YES				
Potassium	mg/L	7.20E+00		ND								ND				3.43E-01				ND							
Sodium	mg/L	1.48E+01		1.37E+01								1.62E+01		YES		1.16E+01				3.95E+01		YES					
Thallium	mg/L	1.45E-03	1.00E-04	ND								ND				ND				ND							
Zinc	mg/L	2.20E-01	4.69E-01	ND								ND				ND				ND							
NOT CLASSIFIED																											
Isodrin	mg/L			ND				ND				ND								NR							
SEMIVOLATILE ORGANIC COMPOUNDS																											
Di-n-butyl phthalate	mg/L		1.48E-01	ND				ND				ND								2.70E-03	J						
VOLATILE ORGANIC COMPOUNDS																											
4-Methyl-2-pentanone	mg/L		5.84E-02	5.40E-03								ND								ND							
Acetone	mg/L		1.56E-01	ND								ND								ND							
Methylene chloride	mg/L		7.85E-03	ND								ND								3.40E-04	B						
Toluene	mg/L		2.59E-01	ND								ND								1.70E-04	B						
WET CHEMISTRY																											
Chloride	mg/L															7.91E+00				NR							
Sulfate	mg/L															2.39E+01				NR							
Alkalinity	mg/L															3.60E+01				NR							
Alkalinity, Bicarbonate	mg/L															3.60E+01				NR							
Nitrite, Nitrate	mg/L															1.23E-01				NR							
Phosphate	mg/L															1.85E-02				NR							

Table A2-5
Detected Compounds in Groundwater Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-79				FA-79				FA-79				FA-79				FA-79				FA-79			
			Sample Location	LF2-G02				LF2-G02				LF2-G02				LF2-G02				LF2-G02				LF2-G02			
			Sample Number	UPB029				UPR010				UPS011				UQU005				UQV008				UB04502			
			Sample Date	11-Jun-92				11-Jun-92				11-Jun-92				11-Jun-92				11-Jun-92				4-Jul-94			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04					ND				ND												ND			
Aldrin	mg/L		0.00E+00					ND				ND												1.72E-05			YES
alpha-BHC	mg/L		1.00E-05					ND				ND												3.20E-06			
delta-BHC	mg/L		4.40E-04					ND				ND												ND			
gamma-BHC (Lindane	mg/L		5.00E-05					ND				4.90E-06												ND			
EXPLOSIVES																											
Nitroglycerine	mg/L																							ND			
1,3,5-Trinitrobenzene	mg/L		4.69E-02																	ND				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	6.36E-01																				7.45E-01			
Arsenic	mg/L	1.78E-02	4.00E-05																					ND			
Barium	mg/L	1.27E-01	1.10E-01	1.29E-02																				2.01E-02			
Beryllium	mg/L	1.24E-03	3.12E-03	ND																				ND			
Boron	mg/L			ND																				ND			
Cadmium	mg/L	2.51E-03	7.80E-04	ND																				ND			
Calcium	mg/L	5.65E+01		1.20E+02		YES																		1.19E+02		YES	
Chromium	mg/L		4.69E-03	ND																				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.39E+00			YES																	2.82E+00			YES
Lead	mg/L	7.99E-03	1.50E-02	ND																				ND			
Magnesium	mg/L	2.13E+01		9.92E+01		YES																		1.03E+02		YES	
Manganese	mg/L	5.81E-01	7.35E-02	2.96E-01			YES																	3.95E-01			YES
Potassium	mg/L	7.20E+00		1.76E+00																				ND			
Sodium	mg/L	1.48E+01		1.10E+02		YES																		1.19E+02		YES	
Thallium	mg/L	1.45E-03	1.00E-04	ND																				ND			
Zinc	mg/L	2.20E-01	4.69E-01	ND																				ND			
NOT CLASSIFIED																											
Isodrin	mg/L							ND				6.40E-06												ND			
SEMIVOLATILE ORGANIC COMPOUNDS																											
Di-n-butyl phthalate	mg/L		1.48E-01					ND																ND			
VOLATILE ORGANIC COMPOUNDS																											
4-Methyl-2-pentanone	mg/L		5.84E-02													ND								ND			
Acetone	mg/L		1.56E-01													1.00E-01								ND			
Methylene chloride	mg/L		7.85E-03													ND								ND			
Toluene	mg/L		2.59E-01													ND								ND			
WET CHEMISTRY																											
Chloride	mg/L																										
Sulfate	mg/L																										
Alkalinity	mg/L																										
Alkalinity, Bicarbonate	mg/L																										
Nitrite, Nitrate	mg/L																										
Phosphate	mg/L																										

Table A2-5
Detected Compounds in Groundwater Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-79				FA-79				FA-79				FA-79				FA-79				FA-79			
			Sample Location	LF2-G02				LF2-G02				LF2-G03				LF2-G03				LF2-G03				LF2-G03			
			Sample Number	UC00355				A-0008				UOX026				UPB026				UPR007				UPS008			
			Sample Date	31-Jan-95				13-Feb-98				11-Jun-92				11-Jun-92				11-Jun-92				11-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04	ND				ND												ND				ND			
Aldrin	mg/L		0.00E+00	ND				ND												ND				ND			
alpha-BHC	mg/L		1.00E-05	ND				ND												ND				ND			
delta-BHC	mg/L		4.40E-04	ND				ND												ND				ND			
gamma-BHC (Lindane	mg/L		5.00E-05	ND				ND												ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L			ND				NR																			
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND				ND																			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	1.45E-01				2.15E-01								1.34E+00											
Arsenic	mg/L	1.78E-02	4.00E-05	ND				ND				ND															
Barium	mg/L	1.27E-01	1.10E-01	1.32E-02				ND								3.04E-02											
Beryllium	mg/L	1.24E-03	3.12E-03	4.24E-03		YES	YES	ND								ND											
Boron	mg/L			ND				NR								ND											
Cadmium	mg/L	2.51E-03	7.80E-04	ND				ND								ND											
Calcium	mg/L	5.65E+01		1.10E+02		YES		1.18E+02		YES						1.54E+02		YES									
Chromium	mg/L		4.69E-03	ND				ND								ND											
Iron	mg/L	7.04E+00	4.69E-01	6.91E-01			YES	6.92E-01			YES					5.42E+00			YES								
Lead	mg/L	7.99E-03	1.50E-02	ND				ND								4.69E-02		YES	YES								
Magnesium	mg/L	2.13E+01		9.58E+01		YES		9.76E+01		YES						7.29E+01		YES									
Manganese	mg/L	5.81E-01	7.35E-02	2.90E-01			YES	3.18E-01			YES					2.08E+00		YES	YES								
Potassium	mg/L	7.20E+00		ND				ND								1.80E+00											
Sodium	mg/L	1.48E+01		1.14E+02		YES		1.22E+02		YES						3.50E+01		YES									
Thallium	mg/L	1.45E-03	1.00E-04	ND				ND								ND											
Zinc	mg/L	2.20E-01	4.69E-01	ND				2.32E-02								1.65E-01											
NOT CLASSIFIED																											
Isodrin	mg/L			ND																ND				1.38E-05			
SEMIVOLATILE ORGANIC COMPOUNDS																											
Di-n-butyl phthalate	mg/L		1.48E-01	ND				3.90E-03	J											ND							
VOLATILE ORGANIC COMPOUNDS																											
4-Methyl-2-pentanone	mg/L		5.84E-02	ND				ND																			
Acetone	mg/L		1.56E-01	ND				ND																			
Methylene chloride	mg/L		7.85E-03	ND				1.20E-03	B																		
Toluene	mg/L		2.59E-01	ND				1.60E-04	B																		
WET CHEMISTRY																											
Chloride	mg/L							NR																			
Sulfate	mg/L							NR																			
Alkalinity	mg/L							NR																			
Alkalinity, Bicarbonate	mg/L							NR																			
Nitrite, Nitrate	mg/L							NR																			
Phosphate	mg/L							NR																			

Table A2-5
Detected Compounds in Groundwater Samples
Landfill No. 2, Parcel 79(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-79				FA-79				FA-79				FA-79				FA-79				FA-79			
			Sample Location	LF2-G03				LF2-G03				LF2-G03				LF2-G03				LF2-G03				LF2-G03			
			Sample Number	UQU002				UQV005				UB04500				UB04501				UC00372				A-0009			
			Sample Date	11-Jun-92				11-Jun-92				4-Jul-94				4-Jul-94				1-Feb-95				12-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04									ND				ND				8.40E-06				ND	R		
Aldrin	mg/L		0.00E+00									ND				1.05E-05			YES	ND				ND	R		
alpha-BHC	mg/L		1.00E-05									ND				4.10E-06				ND				ND	R		
delta-BHC	mg/L		4.40E-04									ND				ND				ND				ND	R		
gamma-BHC (Lindane	mg/L		5.00E-05									ND				ND				ND				ND	R		
EXPLOSIVES																											
Nitroglycerine	mg/L											ND				ND				2.77E-03				NR			
1,3,5-Trinitrobenzene	mg/L		4.69E-02					ND				ND				ND				3.08E-04				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00									4.94E+00		YES	YES	3.68E+00		YES	YES	1.28E+00				2.67E-01			
Arsenic	mg/L	1.78E-02	4.00E-05									3.16E-03			YES	2.47E-03			YES	ND				ND			
Barium	mg/L	1.27E-01	1.10E-01									6.80E-02				6.17E-02				3.61E-02				ND			
Beryllium	mg/L	1.24E-03	3.12E-03									ND				ND				6.24E-03		YES	YES	ND			
Boron	mg/L											ND				ND				ND							
Cadmium	mg/L	2.51E-03	7.80E-04									ND				ND				ND				ND			
Calcium	mg/L	5.65E+01										1.61E+02		YES		1.59E+02		YES		1.63E+02		YES		7.63E+00	J		
Chromium	mg/L		4.69E-03									2.28E-02			YES	2.24E-02			YES	ND				ND			
Iron	mg/L	7.04E+00	4.69E-01									2.25E+01		YES	YES	1.66E+01		YES	YES	4.74E+00			YES	1.69E-01	J		
Lead	mg/L	7.99E-03	1.50E-02									1.07E-02		YES		5.82E-03				ND				ND			
Magnesium	mg/L	2.13E+01										7.89E+01		YES		7.77E+01		YES		7.85E+01		YES		7.84E+00	J		
Manganese	mg/L	5.81E-01	7.35E-02									1.94E+00		YES	YES	1.91E+00		YES	YES	2.07E+00		YES	YES	ND			
Potassium	mg/L	7.20E+00										2.35E+00				1.67E+00				1.86E+00				ND			
Sodium	mg/L	1.48E+01										3.74E+01		YES		3.72E+01		YES		3.89E+01		YES		1.56E+01	J	YES	
Thallium	mg/L	1.45E-03	1.00E-04									ND				2.30E-03		YES	YES	ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01									ND				ND				ND				3.81E-02			
NOT CLASSIFIED																											
Isodrin	mg/L											ND				ND				7.20E-06							
SEMIVOLATILE ORGANIC COMPOUNDS																											
Di-n-butyl phthalate	mg/L		1.48E-01									ND				ND				ND				6.20E-03	J		
VOLATILE ORGANIC COMPOUNDS																											
4-Methyl-2-pentanone	mg/L		5.84E-02	ND								ND				ND				ND				ND			
Acetone	mg/L		1.56E-01	1.00E-01								ND				ND				ND				ND			
Methylene chloride	mg/L		7.85E-03	ND								ND				ND				ND				3.50E-04	B		
Toluene	mg/L		2.59E-01	ND								ND				ND				ND				1.60E-04	B		
WET CHEMISTRY																											
Chloride	mg/L																							NR			
Sulfate	mg/L																							NR			
Alkalinity	mg/L																							NR			
Alkalinity, Bicarbonate	mg/L																							NR			
Nitrite, Nitrate	mg/L																							NR			
Phosphate	mg/L																							NR			

Table A3-1
Detected Compounds in Surface Soil Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

(Page 1 of 2)

				Parcel	FA-80					FA-80					FA-80				
				Sample Location	OLF-S11					OLF-S20					OLF-S21				
				Sample Number	UB02104					UB01952					UB01953				
				Sample Date	17-Apr-94					14-Apr-94					14-Apr-94				
				Sample Depth (Feet)	.5- 2.5					.6- 2.6					.8- 2.8				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDD	mg/kg		2.54E+00	2.50E-03	ND					ND					6.16E-03				YES
4,4'-DDE	mg/kg		1.79E+00	2.50E-03	4.08E-03				YES	ND					1.39E-02				YES
Chlordane	mg/kg		1.69E+00	1.00E-01	ND					ND					5.68E-01				YES
Endosulfan II	mg/kg		4.66E+01	1.19E-01	ND					ND					ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	3.93E+04		YES	YES	YES	3.58E+04		YES	YES	YES	3.88E+04		YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	ND					ND					6.14E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.33E+02		YES			6.52E+01					1.06E+02				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.09E+00		YES			7.46E-01					1.33E+00		YES		YES
Boron	mg/kg				1.75E+01					2.16E+01					2.09E+01				
Calcium	mg/kg	1.72E+03			7.98E+02					3.06E+02					5.63E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	6.78E+01		YES	YES	YES	3.07E+01			YES	YES	3.06E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.12E+01					3.07E+00					6.75E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.10E+01		YES			1.84E+01		YES			2.95E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	3.77E+04		YES	YES	YES	2.47E+04			YES	YES	4.02E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.84E+01					1.71E+01					3.40E+01				
Magnesium	mg/kg	1.03E+03		4.40E+05	3.33E+03		YES			2.56E+03		YES			4.30E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	6.29E+02			YES	YES	3.13E+01					2.08E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.44E+01		YES			8.74E+00					1.50E+01		YES		
Potassium	mg/kg	8.00E+02			4.51E+03		YES			4.36E+03		YES			5.55E+03		YES		
Sodium	mg/kg	6.34E+02			6.72E+01					5.98E+01					9.11E+01				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	6.22E+01		YES	YES	YES	4.26E+01				YES	5.50E+01			YES	YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	4.95E+01		YES			2.05E+01					4.64E+01		YES		
SEMIVOLATILE ORGANIC COMPOUNDS																			
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND					ND					1.60E-01				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND					ND					9.10E-02				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					ND					1.90E-01				YES
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					ND					3.00E-01				YES

Table A3-1
Detected Compounds in Surface Soil Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

				Parcel	FA-80					FA-80					FA-80				
				Sample Location	OLF-S22					OLF-S22					OLF-S23				
				Sample Number	UB01954					UB01955					UB01956				
				Sample Date	14-Apr-94					14-Apr-94					14-Apr-94				
				Sample Depth (Feet)	.4- 2.4					.4- 2.4					.3- 2.3				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDD	mg/kg		2.54E+00	2.50E-03	ND					ND					ND				
4,4'-DDE	mg/kg		1.79E+00	2.50E-03	ND					ND					ND				
Chlordane	mg/kg		1.69E+00	1.00E-01	ND					ND					ND				
Endosulfan II	mg/kg		4.66E+01	1.19E-01	2.15E-03					6.20E-03					ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	6.51E+04		YES	YES	YES	7.80E+04		YES	YES	YES	2.44E+04		YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	8.20E+00			YES		9.08E+00			YES		3.53E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.98E+02		YES		YES	1.94E+02		YES		YES	8.28E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	2.43E+00		YES		YES	2.82E+00		YES		YES	9.51E-01		YES		
Boron	mg/kg				2.80E+01					2.73E+01					2.53E+01				
Calcium	mg/kg	1.72E+03			1.22E+03					1.18E+03					6.61E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	3.30E+01			YES	YES	5.10E+01		YES	YES	YES	2.76E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	2.08E+01		YES		YES	2.13E+01		YES		YES	9.92E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.65E+01		YES			2.85E+01		YES			1.38E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	5.10E+04		YES	YES	YES	5.74E+04		YES	YES	YES	2.81E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.00E+01					4.60E+01		YES			3.50E+01				
Magnesium	mg/kg	1.03E+03		4.40E+05	2.81E+03		YES			3.42E+03		YES			2.75E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.90E+03		YES	YES	YES	3.70E+03		YES	YES	YES	4.77E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	9.25E-02		YES			1.11E-01		YES		YES	ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	4.16E+01		YES		YES	4.44E+01		YES		YES	1.27E+01		YES		
Potassium	mg/kg	8.00E+02			3.28E+03		YES			4.55E+03		YES			3.21E+03		YES		
Sodium	mg/kg	6.34E+02			1.04E+02					1.27E+02					8.30E+01				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	1.38E+02		YES	YES	YES	1.15E+02		YES	YES	YES	ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	8.03E+01		YES	YES	YES	9.38E+01		YES	YES	YES	3.71E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.19E+02		YES		YES	1.28E+02		YES		YES	4.31E+01		YES		
SEMIVOLATILE ORGANIC COMPOUNDS																			
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND					ND					1.20E-01				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND					ND					8.30E-02				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					ND					1.20E-01				YES
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					ND					8.70E-02				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					ND					2.10E-01				YES

Table A3-2
Detected Compounds in Subsurface Soil Samples
Landfill No. 3, Parce 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 1 of 4)

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	FA-80-SB01				FA-80-SB02				FA-80-SB03				FA-80-SB04				FA-80-SB05				OLF-S11			
			Sample Number	DD0007				DD0008				DD0009				DD0010				DD0011				UB02105			
			Sample Date	27-Mar-00				27-Mar-00				27-Mar-00				23-Mar-00				23-Mar-00				17-Apr-94			
			Sample Depth (Feet)	12-14				14 - 16				20 - 22				16 - 18				8-10				18 - 20			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/kg		2.54E+00	2.20E-02				9.00E-02				8.10E-02				2.00E-03	J			7.20E-02				ND			
4,4'-DDE	mg/kg		1.79E+00	1.40E-02				1.20E-02				8.40E-03	J			1.90E-03	J			1.20E-02	J			4.48E-03			
4,4'-DDT	mg/kg		1.79E+00	1.50E-03	J			3.90E-02				1.20E-03	J			ND				1.20E-02				ND			
Aldrin	mg/kg		3.65E-02	ND				ND				1.70E-03	J			ND				2.00E-03	J			ND			
Chlordane	mg/kg		1.69E+00	ND				3.70E-01	J			3.10E-01	J			ND				5.50E-01	J			ND			
Endosulfan II	mg/kg		4.66E+01	ND				8.80E-04	J			1.00E-03	J			1.20E-03	J			5.30E-03	J			ND			
Endrin	mg/kg		2.32E+00	ND				ND				ND				ND				1.60E-03	J			ND			
Heptachlor	mg/kg		1.40E-01	9.60E-04	J			1.50E-03	J			2.40E-03	J			ND				3.40E-03	J			ND			
Heptachlor epoxide	mg/kg		6.91E-02	ND				ND				ND				ND				4.60E-03	J			ND			
beta-BHC	mg/kg		3.50E-01	ND				ND				1.50E-03	J			ND				3.70E-03	J			ND			
delta-BHC	mg/kg		2.33E+00	ND				ND				ND				ND				2.10E-03	J			ND			
gamma-BHC (Lindane)	mg/kg		4.85E-01	1.90E-03	J			ND				6.30E-04	J			ND				7.90E-04	J			ND			
METALS																											
Aluminum	mg/kg	1.36E+04	7.80E+03	7.77E+03				1.05E+04			YES	1.29E+04			YES	8.77E+03			YES	7.97E+03			YES	2.73E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND				6.50E-01	J			ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	1.90E+00			YES	3.10E+00			YES	4.10E+00			YES	4.30E+00			YES	2.30E+00			YES	ND			
Barium	mg/kg	2.34E+02	5.47E+02	6.20E+01				3.13E+01				8.40E+01				3.90E+01				8.86E+01				3.98E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	4.80E-01	J			4.00E-01	J			5.80E-01	J			3.50E-01	J			3.40E-01	J			1.60E+00		YES	
Boron	mg/kg			NR				NR				NR				NR				NR				2.82E+01			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				2.70E-01	J	YES		ND				ND			
Calcium	mg/kg	6.37E+02		3.22E+03		YES		1.14E+03		YES		8.24E+02		YES		7.56E+02		YES		1.95E+03		YES		4.10E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	1.49E+01	J			1.06E+01	J			2.52E+01	J		YES	2.81E+01	J		YES	1.41E+01	J			2.30E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	2.70E+00	J			2.80E+00	J			4.20E+00	J			3.60E+00	J			2.70E+00	J			7.34E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.58E+01				1.30E+01				4.37E+01		YES		2.20E+01		YES		2.38E+01		YES		1.08E+01			
Iron	mg/kg	4.48E+04	2.34E+03	1.73E+04			YES	2.26E+04			YES	1.78E+04			YES	3.03E+04			YES	1.48E+04			YES	2.37E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	5.09E+01	J	YES		2.08E+01	J			2.43E+01	J			9.59E+01	J	YES		3.08E+01	J			6.54E+00			
Magnesium	mg/kg	7.66E+02		1.62E+03		YES		8.14E+02		YES		7.54E+02				4.95E+02	J			4.78E+02	J			8.22E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	1.02E+02	J			1.19E+02	J			1.08E+02	J			8.94E+01	J			8.20E+01	J			1.07E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	1.40E-01	J	YES		6.90E-02	B			1.00E-01	J	YES		1.40E-01	J	YES		6.20E-01	J	YES		ND			
Nickel	mg/kg	1.29E+01	1.54E+02	5.50E+00	J			6.20E+00				5.10E+00	J			6.60E+00				7.00E+00				1.81E+01		YES	
Potassium	mg/kg	7.11E+02		1.01E+03	J	YES		1.08E+03	J	YES		8.44E+02	J	YES		4.77E+02	J			5.76E+02	J			1.19E+04		YES	
Silver	mg/kg	2.40E-01	3.91E+01	1.10E+00	J	YES		ND				ND				ND				1.11E+01		YES		ND			
Sodium	mg/kg	7.02E+02		ND				ND				1.22E+02	J			ND				7.61E+01	J			6.25E+01			
Thallium	mg/kg	1.40E+00	5.08E-01	6.60E-01	J		YES	7.50E-01	J		YES	1.10E+00	J		YES	1.40E+00	B	YES	YES	ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	1.99E+01				2.63E+01				3.35E+01				2.53E+01				1.99E+01				3.39E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	5.48E+01	J	YES		3.70E+01	J	YES		5.78E+01	J	YES		9.90E+01	J	YES		8.53E+01	J	YES		4.31E+01		YES	
PCBs																											
Aroclor 1242	mg/kg		2.93E-01	4.10E-01	J		YES	2.70E-01	J			ND				1.10E-01	J			ND							

Table A3-2
Detected Compounds in Subsurface Soil Samples
Landfill No. 3, Parce 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 2 of 4)

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	FA-80-SB01				FA-80-SB02				FA-80-SB03				FA-80-SB04				FA-80-SB05				OLF-S11			
			Sample Number	DD0007				DD0008				DD0009				DD0010				DD0011				UB02105			
			Sample Date	27-Mar-00				27-Mar-00				27-Mar-00				23-Mar-00				23-Mar-00				17-Apr-94			
			Sample Depth (Feet)	12-14				14 - 16				20 - 22				16 - 18				8-10				18 - 20			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																											
2-Methylnaphthalene	mg/kg		1.55E+02	ND				ND				ND				ND				6.20E-01				ND			
Acenaphthene	mg/kg		4.63E+02	ND				ND				ND				ND				1.30E-01	J			ND			
Anthracene	mg/kg		2.33E+03	ND				ND				ND				ND				1.30E-01	J			ND			
Benzo(a)anthracene	mg/kg		8.51E-01	ND				ND				ND				ND				1.30E-01	J			ND			
Benzo(a)pyrene	mg/kg		8.51E-02	ND				ND				ND				ND				8.40E-02	J			ND			
Benzo(b)fluoranthene	mg/kg		8.51E-01	ND				ND				ND				ND				1.10E-01	J			ND			
Benzo(ghi)perylene	mg/kg		2.32E+02	ND				ND				ND				ND				4.90E-02	J			ND			
Benzo(k)fluoranthene	mg/kg		8.51E+00	ND				ND				ND				ND				5.70E-02	J			ND			
Benzyl Alcohol	mg/kg			NR				NR				NR				NR				NR				ND			
Chrysene	mg/kg		8.61E+01	ND				ND				ND				ND				2.00E-01	J			ND			
Dibenzofuran	mg/kg		3.09E+01	ND				ND				ND				ND				9.80E-02	J			ND			
Fluoranthene	mg/kg		3.09E+02	4.90E-02	J			ND				ND				ND				2.40E-01	J			ND			
Fluorene	mg/kg		3.09E+02	ND				ND				ND				ND				2.00E-01	J			ND			
Naphthalene	mg/kg		1.55E+02	6.40E-02	J			ND				ND				ND				7.20E-01				ND			
Phenanthrene	mg/kg		2.32E+03	5.50E-02	J			ND				ND				ND				6.00E-01				ND			
Pyrene	mg/kg		2.33E+02	5.50E-02	J			ND				ND				ND				3.30E-01	J			ND			
bis(2-Ethylhexyl)phthalate	mg/kg		4.52E+01	1.20E+00				5.60E-01	B			1.10E+00				1.20E+00				3.10E+00				ND			
VOLATILE ORGANIC COMPOUNDS																											
1,2,4-Trimethylbenzene	mg/kg		3.88E+02	4.40E-02				2.80E-03	J			4.40E-03	J			2.20E-02				7.00E-01							
1,2-Dichlorobenzene	mg/kg		6.99E+02	ND				8.00E-04	J			ND				ND				ND							
1,2-Dimethylbenzene	mg/kg		1.55E+04	ND				ND				ND				ND				5.50E-02							
1,3,5-Trimethylbenzene	mg/kg		3.88E+02	6.20E-03	J			ND				1.40E-03	J			7.10E-03				2.90E-01							
1,4-Dichlorobenzene	mg/kg		2.62E+01	1.30E-03	J			ND				ND				9.80E-04	J			ND							
Acetone	mg/kg		7.76E+02	1.10E-02	B			ND				8.90E-03	B			1.00E-02	B			2.20E-02	B			ND			
Benzene	mg/kg		2.17E+01	ND				1.30E-03	J			ND				ND				9.20E-03	J			ND			
Carbon disulfide	mg/kg		7.77E+02	1.80E-03	J			ND				ND				ND				3.30E-03	J			ND			
Chloroform	mg/kg		1.03E+02	2.90E-03	J			ND				ND				ND				ND				ND			
Cumene	mg/kg		7.77E+02	4.10E-03	J			ND				ND				2.30E-03	J			7.00E-02							
Ethylbenzene	mg/kg		7.77E+02	ND				ND				ND				ND				2.40E-02				ND			
Methylene chloride	mg/kg		8.41E+01	7.60E-03	B			6.70E-03	B			3.60E-03	B			3.50E-03	B			1.00E-02	B			ND			
Naphthalene	mg/kg		1.55E+02	1.10E-02				3.10E-03	J			2.00E-03	J			6.10E-03	B			3.50E-01							
Toluene	mg/kg		1.55E+03	ND				ND				ND				ND				3.40E-03	J			ND			
Trichlorofluoromethane	mg/kg		2.33E+03	2.00E-03	J			2.30E-03	J			ND				ND				ND							
m,p-Xylenes	mg/kg		1.55E+04	ND				2.20E-03	J			ND				ND				2.50E-01							
n-Butylbenzene	mg/kg		7.77E+01	1.50E-02				ND				1.20E-03	J			8.30E-03				1.00E-01							
n-Propylbenzene	mg/kg		7.77E+01	1.30E-02				ND				ND				2.10E-03	J			1.10E-01							
p-Cymene	mg/kg		1.55E+03	1.70E-03	J			1.20E-03	J			ND				2.20E-03	J			8.80E-02							
sec-Butylbenzene	mg/kg		7.77E+01	8.20E-03				ND				ND				3.80E-03	J			4.40E-02							
tert-Butylbenzene	mg/kg		7.77E+01	2.30E-03	J			ND				ND				ND				2.90E-02							

Table A3-2
Detected Compounds in Subsurface Soil Samples
Landfill No. 3, Parce 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 3 of 4)

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-S13				OLF-S13				OLF-S16				OLF-S16				OLF-S17				OLF-S17			
			Sample Number	UB02102				UB02103				UB02106				UB02107				UB04544				UB04545			
			Sample Date	16-Apr-94				16-Apr-94				18-Apr-94				18-Apr-94				5-Jul-94				5-Jul-94			
			Sample Depth (Feet)	1-3				3-5				1.5- 3.5				25 - 27				1-3				22 - 24			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/kg		2.54E+00	ND				ND				ND				ND				ND				ND			
4,4'-DDE	mg/kg		1.79E+00	ND				3.76E-03				ND				ND				ND				ND			
4,4'-DDT	mg/kg		1.79E+00	ND				ND				ND				ND				ND				ND			
Aldrin	mg/kg		3.65E-02	ND				ND				ND				ND				ND				ND			
Chlordane	mg/kg		1.69E+00	ND				ND				ND				ND				ND				ND			
Endosulfan II	mg/kg		4.66E+01	ND				ND				ND				ND				ND				ND			
Endrin	mg/kg		2.32E+00	ND				ND				ND				ND				ND				ND			
Heptachlor	mg/kg		1.40E-01	ND				ND				ND				ND				ND				ND			
Heptachlor epoxide	mg/kg		6.91E-02	ND				ND				ND				ND				ND				ND			
beta-BHC	mg/kg		3.50E-01	ND				ND				ND				ND				ND				ND			
delta-BHC	mg/kg		2.33E+00	ND				ND				ND				ND				ND				ND			
gamma-BHC (Lindane)	mg/kg		4.85E-01	ND				ND				ND				ND				ND				ND			
METALS																											
Aluminum	mg/kg	1.36E+04	7.80E+03	4.35E+04		YES	YES	1.90E+04		YES	YES	5.13E+04		YES	YES	1.26E+04			YES	2.25E+04		YES	YES	1.17E+04			YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	ND				7.93E+00			YES	3.28E+00			YES	ND				2.90E+00			YES	ND			
Barium	mg/kg	2.34E+02	5.47E+02	1.33E+02				6.19E+01				6.90E+01				3.60E+01				8.41E+01				9.93E+00			
Beryllium	mg/kg	8.60E-01	9.60E+00	9.03E-01		YES		ND				1.24E+00		YES		6.89E-01				5.91E-01				1.48E+00		YES	
Boron	mg/kg			2.17E+01				1.03E+01				1.66E+01				ND				ND				1.93E+01			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				ND				ND				ND			
Calcium	mg/kg	6.37E+02		3.30E+02				2.15E+02				1.97E+02				1.12E+02				8.91E+01				3.93E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	3.22E+01			YES	1.50E+01				3.18E+01			YES	2.40E+01			YES	2.23E+01				3.00E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	4.32E+00				ND				3.61E+00				7.75E+00				5.15E+00				9.50E+00			
Copper	mg/kg	1.94E+01	3.13E+02	8.66E+00				ND				1.58E+01				1.73E+01				1.57E+01				1.46E+02		YES	
Iron	mg/kg	4.48E+04	2.34E+03	8.01E+03			YES	3.65E+03			YES	3.58E+04			YES	3.03E+04			YES	2.73E+04			YES	9.49E+03			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.80E+01				1.19E+01				7.61E+00				3.27E+00				1.17E+01				1.60E+01			
Magnesium	mg/kg	7.66E+02		2.11E+03		YES		8.08E+02		YES		2.91E+03		YES		1.14E+03		YES		1.02E+03		YES		6.62E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.98E+01				ND				5.51E+01				5.10E+02			YES	1.49E+01				6.83E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	ND				ND				ND				ND				ND				ND			
Nickel	mg/kg	1.29E+01	1.54E+02	1.26E+01				4.29E+00				1.21E+01				1.34E+01		YES		6.84E+00				1.84E+01		YES	
Potassium	mg/kg	7.11E+02		3.35E+03		YES		1.17E+03		YES		4.75E+03		YES		1.19E+03		YES		9.90E+02		YES		6.81E+03		YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02		8.04E+01				ND				ND				ND				ND				ND			
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND				ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	4.26E+01				1.67E+01				4.72E+01				2.49E+01				3.85E+01				2.84E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	2.79E+01				1.23E+01				2.39E+01				1.27E+01				2.93E+01				3.07E+01			
PCBs																											
Aroclor 1242	mg/kg		2.93E-01																								

Table A3-2
Detected Compounds in Subsurface Soil Samples
Landfill No. 3, Parce 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 4 of 4)

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-S13				OLF-S13				OLF-S16				OLF-S16				OLF-S17				OLF-S17			
			Sample Number	UB02102				UB02103				UB02106				UB02107				UB04544				UB04545			
			Sample Date	16-Apr-94				16-Apr-94				18-Apr-94				18-Apr-94				5-Jul-94				5-Jul-94			
			Sample Depth (Feet)	1-3				3-5				1.5- 3.5				25 - 27				1-3				22 - 24			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																											
2-Methylnaphthalene	mg/kg		1.55E+02	ND				ND				ND				ND				ND				ND			
Acenaphthene	mg/kg		4.63E+02	ND				ND				ND				ND				ND				ND			
Anthracene	mg/kg		2.33E+03	ND				ND				ND				ND				ND				ND			
Benzo(a)anthracene	mg/kg		8.51E-01	ND				ND				ND				ND				ND				ND			
Benzo(a)pyrene	mg/kg		8.51E-02	ND				ND				ND				ND				ND				ND			
Benzo(b)fluoranthene	mg/kg		8.51E-01	ND				ND				ND				ND				ND				ND			
Benzo(ghi)perylene	mg/kg		2.32E+02	ND				ND				ND				ND				ND				ND			
Benzo(k)fluoranthene	mg/kg		8.51E+00	ND				ND				ND				ND				ND				ND			
Benzyl Alcohol	mg/kg			ND				ND				ND				ND				5.30E-02				5.40E-02			
Chrysene	mg/kg		8.61E+01	ND				ND				ND				ND				ND				ND			
Dibenzofuran	mg/kg		3.09E+01	ND				ND				ND				ND				ND				ND			
Fluoranthene	mg/kg		3.09E+02	ND				ND				ND				ND				ND				ND			
Fluorene	mg/kg		3.09E+02	ND				ND				ND				ND				ND				ND			
Naphthalene	mg/kg		1.55E+02	ND				ND				ND				ND				ND				ND			
Phenanthrene	mg/kg		2.32E+03	ND				ND				ND				ND				ND				ND			
Pyrene	mg/kg		2.33E+02	ND				ND				ND				ND				ND				ND			
bis(2-Ethylhexyl)phthalate	mg/kg		4.52E+01	ND				ND				ND				ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS																											
1,2,4-Trimethylbenzene	mg/kg		3.88E+02																								
1,2-Dichlorobenzene	mg/kg		6.99E+02																								
1,2-Dimethylbenzene	mg/kg		1.55E+04																								
1,3,5-Trimethylbenzene	mg/kg		3.88E+02																								
1,4-Dichlorobenzene	mg/kg		2.62E+01																								
Acetone	mg/kg		7.76E+02	ND				ND				ND				ND				ND				ND			
Benzene	mg/kg		2.17E+01	ND				ND				ND				ND				ND				ND			
Carbon disulfide	mg/kg		7.77E+02	ND				ND				ND				ND				ND				ND			
Chloroform	mg/kg		1.03E+02	ND				ND				ND				ND				ND				ND			
Cumene	mg/kg		7.77E+02																								
Ethylbenzene	mg/kg		7.77E+02	ND				ND				ND				ND				ND				ND			
Methylene chloride	mg/kg		8.41E+01	ND				ND				ND				ND				ND				ND			
Naphthalene	mg/kg		1.55E+02																								
Toluene	mg/kg		1.55E+03	ND				ND				ND				ND				ND				ND			
Trichlorofluoromethane	mg/kg		2.33E+03																								
m,p-Xylenes	mg/kg		1.55E+04																								
n-Butylbenzene	mg/kg		7.77E+01																								
n-Propylbenzene	mg/kg		7.77E+01																								
p-Cymene	mg/kg		1.55E+03																								
sec-Butylbenzene	mg/kg		7.77E+01																								
tert-Butylbenzene	mg/kg		7.77E+01																								

Table A3-3
Detected Compounds in Sediment Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

				Parcel	FA-80					FA-80					FA-80				
				Sample Location	OLF-D01					OLF-D02					OLF-D03				
				Sample Number	UPM005					UB01957					UB01958				
				Sample Date	9-Jun-92					14-Apr-94					14-Apr-94				
				Sample Depth (Feet)	0-.5					0-.5					.4-.9				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDE	mg/kg		1.66E+02	3.30E-03						ND					3.79E-03				YES
METALS																			
Aluminum	mg/kg	8.59E+03	1.15E+06		2.63E+03					6.94E+03					6.08E+04		YES		
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	ND					3.43E+00					4.48E+00				
Barium	mg/kg	9.89E+01	8.36E+04		1.25E+01					3.74E+01					1.58E+02		YES		
Beryllium	mg/kg	9.70E-01	1.50E+02		ND					7.56E-01					1.87E+00		YES		
Boron	mg/kg				ND					1.29E+01					3.60E+01				
Calcium	mg/kg	1.11E+03			4.73E+02					7.86E+03		YES			1.17E+03		YES		
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	1.18E+01					1.29E+01					4.22E+01		YES		
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	ND					5.12E+00					8.93E+00				
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	9.89E+00					7.46E+00					2.49E+01		YES		YES
Iron	mg/kg	3.53E+04	3.59E+05		1.16E+04					2.17E+04					3.75E+04		YES		
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	ND					7.54E+00					2.90E+01				
Magnesium	mg/kg	9.06E+02			7.66E+02					2.38E+03		YES			4.20E+03		YES		
Manganese	mg/kg	7.12E+02	4.38E+04		7.30E+01					2.02E+02					3.61E+02				
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	4.91E+00					5.57E+00					2.10E+01		YES		YES
Potassium	mg/kg	1.01E+03			ND					9.96E+02					8.18E+03		YES		
Sodium	mg/kg	6.92E+02			ND					8.82E+01					1.23E+02				
Vanadium	mg/kg	4.09E+01	4.83E+03		9.68E+00					1.84E+01					7.74E+01		YES		
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	2.57E+01					2.91E+01					7.43E+01		YES		
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg		5.59E+04	3.30E-01						8.00E-02					ND				
Benzo(a)anthracene	mg/kg		8.93E+01	3.30E-01						8.00E-01				YES	ND				
Benzo(b)fluoranthene	mg/kg		8.93E+01	6.55E-01						9.20E-01				YES	ND				
Benzo(ghi)perylene	mg/kg		2.79E+04	6.55E-01						3.90E-01					ND				
Benzo(k)fluoranthene	mg/kg		8.93E+02	6.55E-01						4.80E-01					ND				
Chrysene	mg/kg		9.79E+03	3.30E-01						6.30E-01				YES	ND				
Fluoranthene	mg/kg		3.73E+04	3.30E-01						8.90E-01				YES	ND				
Phenanthrene	mg/kg		2.79E+05	3.30E-01						2.30E-01					ND				
Pyrene	mg/kg		3.06E+04	3.30E-01						1.20E+00				YES	ND				

Table A3-4
Detected Compounds in Surface Water Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 1 of 2)

				Parcel	FA-80					FA-80					FA-80					FA-80				
				Sample Location	OLF-W01					OLF-W01					OLF-W01					OLF-W01				
				Sample Number	UOP011					UOQ012					UPB018					UPI003				
				Sample Date	9-Jun-92					9-Jun-92					9-Jun-92					9-Jun-92				
Parameter	Units	BKG[a]	SSSL[c]	ESV[e]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
PESTICIDES																								
alpha-BHC	mg/L		1.50E-04	5.00E+00	ND					5.10E-06														
gamma-BHC (Lindane)	mg/L		7.60E-04	8.00E-05	ND					ND														
Isodrin	mg/L				ND					2.05E-05														
METALS																								
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02											1.42E+00				YES					
Barium	mg/L	7.53E-02	1.10E+00	3.90E-03											3.03E-02				YES					
Boron	mg/L														2.50E-01									
Calcium	mg/L	2.52E+01		1.16E+02											1.93E+01									
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00											1.72E+00				YES					
Lead	mg/L	8.60E-03	1.50E-02	1.32E-03											ND									
Magnesium	mg/L	1.10E+01		8.20E+01											7.25E+00									
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02											3.60E-02									
Potassium	mg/L	2.56E+00		5.30E+01											2.08E+00									
Sodium	mg/L	3.44E+00		6.80E+02											4.32E+00		YES							
Zinc	mg/L	4.03E-02	4.65E+00	5.89E-02											1.90E-02									
VOLATILE ORGANIC COMPOUNDS																								
1,1,1-Trichloroethane	mg/L		2.78E+00	5.28E-01																ND				
Trichloroethene	mg/L		8.80E-02	2.19E+01																ND				
WET CHEMISTRY																								
Biological Oxygen Demand	mg/L																							

Table A3-4
Detected Compounds in Surface Water Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 2 of 2)

				Parcel	FA-80					FA-80					FA-80					FA-80				
				Sample Location	OLF-W02					OLF-W03					OLF-W04					OLF-W05				
				Sample Number	UB03941					UB04949					UB04950					UB04177				
				Sample Date	14-Jun-94					18-Jul-94					18-Jul-94					20-Jun-94				
Parameter	Units	BKG[a]	SSSL[b]	ESV[c]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
PESTICIDES																								
alpha-BHC	mg/L		1.50E-04	5.00E+00	ND					ND					3.40E-06					ND				
gamma-BHC (Lindane)	mg/L		7.60E-04	8.00E-05	ND					4.10E-06					ND					ND				
Isodrin	mg/L				ND					ND					4.60E-06					ND				
METALS																								
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	ND					1.62E+00				YES	1.01E+00				YES	5.44E-01				YES
Barium	mg/L	7.53E-02	1.10E+00	3.90E-03	3.03E-02				YES	3.33E-02				YES	2.78E-02				YES	4.34E-02				YES
Boron	mg/L				ND					ND					ND					ND				
Calcium	mg/L	2.52E+01		1.16E+02	1.77E+01					6.97E+00					7.78E+00					1.26E+01				
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	4.26E-01					3.35E+00				YES	3.37E+00				YES	7.93E+00			YES	YES
Lead	mg/L	8.60E-03	1.50E-02	1.32E-03	ND					ND					ND					7.08E-02		YES	YES	YES
Magnesium	mg/L	1.10E+01		8.20E+01	8.76E+00					2.45E+00					2.72E+00					3.13E+00				
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	2.51E-02					1.41E-01				YES	2.30E-01				YES	4.64E-01				YES
Potassium	mg/L	2.56E+00		5.30E+01	ND					3.24E+00		YES			3.28E+00		YES			3.71E+00		YES		
Sodium	mg/L	3.44E+00		6.80E+02	1.01E+01		YES			1.27E+00					1.10E+00					1.52E+00				
Zinc	mg/L	4.03E-02	4.65E+00	5.89E-02	ND					ND					2.19E-02					ND				
VOLATILE ORGANIC COMPOUNDS																								
1,1,1-Trichloroethane	mg/L		2.78E+00	5.28E-01	ND					1.20E-03					6.20E-03					ND				
Trichloroethene	mg/L		8.80E-02	2.19E+01	ND					ND					1.30E-03					ND				
WET CHEMISTRY																								
Biological Oxygen Demand	mg/L				ND					ND					ND					5.00E-03				

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G01				OLF-G01				OLF-G01				OLF-G01				OLF-G01				OLF-G01			
			Sample Number	UOP013				UOQ014				UOX019				UOZ016				UPB019				UPD019			
			Sample Date	9-Jun-92				9-Jun-92				9-Jun-92				9-Jun-92				9-Jun-92				9-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/L		1.80E-04	ND				ND																			
4,4'-DDE	mg/L		1.30E-04	ND				ND																			
Aldrin	mg/L		3.90E-06	ND				ND																			
Dieldrin	mg/L		4.00E-06	ND				ND																			
Endosulfan II	mg/L		9.35E-03	ND				ND																			
Endrin	mg/L		4.40E-04	ND				ND																			
Heptachlor	mg/L		1.00E-05	ND				ND																			
Heptachlor epoxide	mg/L		6.60E-06	ND				8.20E-06			YES																
Isodrin	mg/L			ND				1.21E-05																			
alpha-BHC	mg/L		1.00E-05	ND				ND																			
delta-BHC	mg/L		4.40E-04	ND				ND																			
EXPLOSIVES																											
Nitroglycerine	mg/L																										
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00																	7.04E+00		YES	YES				
Arsenic	mg/L	1.78E-02	4.00E-05									ND															
Barium	mg/L	1.27E-01	1.10E-01																	4.21E-02							
Beryllium	mg/L	1.24E-03	3.12E-03																	ND							
Calcium	mg/L	5.65E+01																		9.16E-01							
Chromium	mg/L		4.69E-03																	ND							
Cobalt	mg/L	2.34E-02	9.39E-02																	ND							
Copper	mg/L	2.55E-02	6.26E-02																	ND							
Iron	mg/L	7.04E+00	4.69E-01																	5.32E+00			YES				
Lead	mg/L	7.99E-03	1.50E-02																	ND							
Magnesium	mg/L	2.13E+01																		2.70E+00							
Manganese	mg/L	5.81E-01	7.35E-02																	2.10E-01			YES				
Mercury	mg/L		4.60E-04																					3.09E-04			
Nickel	mg/L		3.13E-02																	ND							
Potassium	mg/L	7.20E+00																		4.76E+00							
Selenium	mg/L		7.82E-03													ND											
Sodium	mg/L	1.48E+01																		3.63E+00							
Thallium	mg/L	1.45E-03	1.00E-04																	ND							
Vanadium	mg/L	1.70E-02	1.10E-02																	ND							
Zinc	mg/L	2.20E-01	4.69E-01																	2.76E-02							
SEMIVOLATILE ORGANIC COMPOUNDS																											
Benzo(a)anthracene	mg/L		2.00E-05	ND																							
Benzo(k)fluoranthene	mg/L		1.90E-04	ND																							
Di-n-butyl phthalate	mg/L		1.48E-01	ND																							
Dibenz(a,h)anthracene	mg/L		1.40E-06	ND																							
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND																							
VOLATILE ORGANIC COMPOUNDS																											
Acetone	mg/L		1.56E-01																								
Carbon disulfide	mg/L		1.51E-01																								
Chlorobenzene	mg/L		1.62E-02																								

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G01				OLF-G01				OLF-G01				OLF-G01				OLF-G01				OLF-G02			
			Sample Number	UPI005				UB05045				UC00388				UC01975				A-0012				UOX024			
			Sample Date	9-Jun-92				20-Jul-94				2-Feb-95				28-Jun-95				15-Feb-98				10-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/L		1.80E-04					ND				ND				ND				ND							
4,4'-DDE	mg/L		1.30E-04					4.90E-06				ND				ND				ND							
Aldrin	mg/L		3.90E-06					ND				ND				ND				ND							
Dieldrin	mg/L		4.00E-06					ND				ND				ND				ND							
Endosulfan II	mg/L		9.35E-03					ND				ND				ND				ND							
Endrin	mg/L		4.40E-04					ND				1.56E-05				ND				ND							
Heptachlor	mg/L		1.00E-05					5.10E-06				ND				ND				ND							
Heptachlor epoxide	mg/L		6.60E-06					ND				ND				ND				ND							
Isodrin	mg/L							ND				1.08E-05				ND				NR							
alpha-BHC	mg/L		1.00E-05					ND				ND				ND				ND							
delta-BHC	mg/L		4.40E-04					ND				ND				ND				ND							
EXPLOSIVES																											
Nitroglycerine	mg/L							ND				1.87E-03				ND				NR							
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00					2.97E+00		YES	YES	1.33E+00				2.15E+00			YES	2.55E-01	J						
Arsenic	mg/L	1.78E-02	4.00E-05					ND				ND								ND				ND			
Barium	mg/L	1.27E-01	1.10E-01					3.67E-02				3.16E-02				3.23E-02				ND							
Beryllium	mg/L	1.24E-03	3.12E-03					ND				ND				ND				ND							
Calcium	mg/L	5.65E+01						8.62E-01				9.46E-01				8.04E-01				ND							
Chromium	mg/L		4.69E-03					ND				ND				ND				ND							
Cobalt	mg/L	2.34E-02	9.39E-02					ND				ND				ND				ND							
Copper	mg/L	2.55E-02	6.26E-02					ND				ND				ND				ND							
Iron	mg/L	7.04E+00	4.69E-01					5.14E+00			YES	3.19E+00			YES	5.46E+00			YES	4.07E-01							
Lead	mg/L	7.99E-03	1.50E-02					5.57E-03				ND								ND							
Magnesium	mg/L	2.13E+01						2.24E+00				1.38E+00				1.72E+00				ND							
Manganese	mg/L	5.81E-01	7.35E-02					2.30E-01			YES	2.20E-01			YES	2.27E-01			YES	1.04E-01			YES				
Mercury	mg/L		4.60E-04					ND				ND								ND							
Nickel	mg/L		3.13E-02					ND				ND				ND				ND							
Potassium	mg/L	7.20E+00						2.90E+00				1.38E+00				2.57E+00				ND							
Selenium	mg/L		7.82E-03					ND				ND								ND							
Sodium	mg/L	1.48E+01						3.59E+00				3.59E+00				3.65E+00				ND							
Thallium	mg/L	1.45E-03	1.00E-04					ND				ND								ND							
Vanadium	mg/L	1.70E-02	1.10E-02					ND				ND				ND				ND							
Zinc	mg/L	2.20E-01	4.69E-01					2.00E-02				ND				3.14E-02	J		6.28E-02	6.28E-02	J						
SEMIVOLATILE ORGANIC COMPOUNDS																											
Benzo(a)anthracene	mg/L		2.00E-05					ND				ND				4.28E-05			YES	ND							
Benzo(k)fluoranthene	mg/L		1.90E-04					ND				ND				3.94E-05				ND							
Di-n-butyl phthalate	mg/L		1.48E-01					ND				ND				ND				6.90E-03	J						
Dibenz(a,h)anthracene	mg/L		1.40E-06					ND				ND				ND				ND							
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03					ND				ND				ND				ND							
VOLATILE ORGANIC COMPOUNDS																											
Acetone	mg/L		1.56E-01	ND				ND				3.70E-02								ND							
Carbon disulfide	mg/L		1.51E-01	ND				ND				ND								3.00E-03							
Chlorobenzene	mg/L		1.62E-02	ND				ND				ND								ND							

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G02				OLF-G02				OLF-G02				OLF-G02				OLF-G02				OLF-G02			
			Sample Number	UOZ021				UPB024				UPD024				UPI012				UPR006				UPS007			
			Sample Date	10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/L		1.80E-04																	ND				3.00E-05			
4,4'-DDE	mg/L		1.30E-04																	ND				ND			
Aldrin	mg/L		3.90E-06																	ND				4.00E-05			YES
Dieldrin	mg/L		4.00E-06																	ND				2.98E-05			YES
Endosulfan II	mg/L		9.35E-03																	ND				1.25E-05			
Endrin	mg/L		4.40E-04																	ND				2.76E-05			
Heptachlor	mg/L		1.00E-05																	ND				6.90E-06			
Heptachlor epoxide	mg/L		6.60E-06																	ND				ND			
Isodrin	mg/L																			ND				2.30E-05			
alpha-BHC	mg/L		1.00E-05																	ND				1.33E-05			YES
delta-BHC	mg/L		4.40E-04																	ND				1.21E-05			
EXPLOSIVES																											
Nitroglycerine	mg/L																										
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00					2.40E+02		YES	YES																
Arsenic	mg/L	1.78E-02	4.00E-05																								
Barium	mg/L	1.27E-01	1.10E-01					7.75E-01		YES	YES																
Beryllium	mg/L	1.24E-03	3.12E-03					2.00E-02		YES	YES																
Calcium	mg/L	5.65E+01						2.50E+02		YES																	
Chromium	mg/L		4.69E-03					2.71E-01			YES																
Cobalt	mg/L	2.34E-02	9.39E-02					1.20E-01		YES	YES																
Copper	mg/L	2.55E-02	6.26E-02					2.52E-01		YES	YES																
Iron	mg/L	7.04E+00	4.69E-01					2.71E+02		YES	YES																
Lead	mg/L	7.99E-03	1.50E-02					1.47E+00		YES	YES																
Magnesium	mg/L	2.13E+01						2.80E+02		YES																	
Manganese	mg/L	5.81E-01	7.35E-02					3.82E+00		YES	YES																
Mercury	mg/L		4.60E-04									1.02E-03			YES												
Nickel	mg/L		3.13E-02					2.39E-01			YES																
Potassium	mg/L	7.20E+00						6.95E+01		YES																	
Selenium	mg/L		7.82E-03	ND																							
Sodium	mg/L	1.48E+01						3.81E+01		YES																	
Thallium	mg/L	1.45E-03	1.00E-04					ND																			
Vanadium	mg/L	1.70E-02	1.10E-02					3.90E-01		YES	YES																
Zinc	mg/L	2.20E-01	4.69E-01					5.76E-01		YES	YES																
SEMIVOLATILE ORGANIC COMPOUNDS																											
Benzo(a)anthracene	mg/L		2.00E-05																	ND							
Benzo(k)fluoranthene	mg/L		1.90E-04																	ND							
Di-n-butyl phthalate	mg/L		1.48E-01																	ND							
Dibenz(a,h)anthracene	mg/L		1.40E-06																	ND							
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03																	ND							
VOLATILE ORGANIC COMPOUNDS																											
Acetone	mg/L		1.56E-01																								
Carbon disulfide	mg/L		1.51E-01																								
Chlorobenzene	mg/L		1.62E-02																								

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel Sample Location Sample Number Sample Date	FA-80 OLF-G02 UB04877 14-Jul-94				FA-80 OLF-G02 UC00426 5-Feb-95				FA-80 OLF-G02 UC00427 5-Feb-95				FA-80 OLF-G02 UC00427M 5-Feb-95				FA-80 OLF-G02 UC01985 29-Jun-95				FA-80 OLF-G02 UC01986 29-Jun-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/L		1.80E-04	7.80E-06				1.59E-05												ND				ND			
4,4'-DDE	mg/L		1.30E-04	ND				ND												ND				ND			
Aldrin	mg/L		3.90E-06	ND				ND												ND				ND			
Dieldrin	mg/L		4.00E-06	ND				ND												ND				ND			
Endosulfan II	mg/L		9.35E-03	ND				ND												ND				ND			
Endrin	mg/L		4.40E-04	ND				ND												ND				ND			
Heptachlor	mg/L		1.00E-05	4.50E-06				ND												ND				ND			
Heptachlor epoxide	mg/L		6.60E-06	1.09E-05			YES	ND												ND				ND			
Isodrin	mg/L			ND				8.70E-06												ND				ND			
alpha-BHC	mg/L		1.00E-05	3.60E-06				ND												ND				ND			
delta-BHC	mg/L		4.40E-04	ND				4.10E-06												ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L			ND				ND												ND				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	3.04E+01		YES	YES	9.72E+00		YES	YES	ND								4.12E+00		YES	YES	2.11E+00			YES
Arsenic	mg/L	1.78E-02	4.00E-05	ND				4.77E-03			YES	2.51E-03			YES												
Barium	mg/L	1.27E-01	1.10E-01	2.52E-01		YES	YES	1.27E-01			YES	1.18E-01			YES					1.48E-01		YES	YES	1.41E-01		YES	YES
Beryllium	mg/L	1.24E-03	3.12E-03	1.82E-03		YES		2.84E-03		YES		1.77E-03		YES						ND				ND			
Calcium	mg/L	5.65E+01		8.48E+01		YES		4.38E+01				4.60E+01								4.94E+01				4.71E+01			
Chromium	mg/L		4.69E-03	4.52E-02			YES	1.67E-02			YES	ND								ND				ND			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				ND								ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	3.90E-02		YES		ND				ND								ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	5.39E+01		YES	YES	2.12E+01		YES	YES	4.92E+00			YES					1.80E+01		YES	YES	1.53E+01		YES	YES
Lead	mg/L	7.99E-03	1.50E-02	1.84E-01		YES	YES	4.55E-02		YES	YES	ND															
Magnesium	mg/L	2.13E+01		7.03E+01		YES		3.28E+01		YES		2.70E+01		YES						3.20E+01		YES		2.88E+01		YES	
Manganese	mg/L	5.81E-01	7.35E-02	1.99E+00		YES	YES	1.27E+00		YES	YES	1.43E+00		YES	YES					1.55E+00		YES	YES	1.50E+00		YES	YES
Mercury	mg/L		4.60E-04	1.10E-03			YES	2.08E-04				ND															
Nickel	mg/L		3.13E-02	3.73E-02			YES	ND				ND								ND				ND			
Potassium	mg/L	7.20E+00		1.21E+01		YES		5.05E+00				1.54E+00								4.32E+00				3.60E+00			
Selenium	mg/L		7.82E-03	ND				2.96E-03				ND															
Sodium	mg/L	1.48E+01		3.78E+01		YES		3.65E+01		YES		3.62E+01		YES						4.02E+01		YES		3.79E+01		YES	
Thallium	mg/L	1.45E-03	1.00E-04	3.11E-03		YES	YES	ND				ND				ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	5.43E-02		YES	YES	ND				ND								ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	8.24E-02				4.70E-02				ND								3.05E-02	J			2.17E-02	J		
SEMIVOLATILE ORGANIC COMPOUNDS																											
Benzo(a)anthracene	mg/L		2.00E-05	ND				ND												2.61E-05			YES	3.47E-05			YES
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				ND												6.52E-04			YES	7.14E-04			YES
Di-n-butyl phthalate	mg/L		1.48E-01	ND				ND												ND				ND			
Dibenz(a,h)anthracene	mg/L		1.40E-06	ND				ND												ND				1.44E-04			YES
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND				ND												3.80E-02			YES	4.40E-02			YES
VOLATILE ORGANIC COMPOUNDS																											
Acetone	mg/L		1.56E-01																								
Carbon disulfide	mg/L		1.51E-01																								
Chlorobenzene	mg/L		1.62E-02																								

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel Sample Location Sample Number Sample Date	FA-80 OLF-G02 UC02017 29-Jun-95				FA-80 OLF-G02 UC02018 29-Jun-95				FA-80 OLF-G02 A-0013 16-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES															
4,4'-DDD	mg/L		1.80E-04									ND	R		
4,4'-DDE	mg/L		1.30E-04									ND	R		
Aldrin	mg/L		3.90E-06									ND	R		
Dieldrin	mg/L		4.00E-06									ND	R		
Endosulfan II	mg/L		9.35E-03									ND	R		
Endrin	mg/L		4.40E-04									ND	R		
Heptachlor	mg/L		1.00E-05									ND	R		
Heptachlor epoxide	mg/L		6.60E-06									ND	R		
Isodrin	mg/L											NR	R		
alpha-BHC	mg/L		1.00E-05									ND	R		
delta-BHC	mg/L		4.40E-04									ND	R		
EXPLOSIVES															
Nitroglycerine	mg/L											NR			
METALS															
Aluminum	mg/L	2.34E+00	1.56E+00	2.21E+00			YES	4.03E+00		YES	YES	1.42E+00			
Arsenic	mg/L	1.78E-02	4.00E-05									ND			
Barium	mg/L	1.27E-01	1.10E-01	1.38E-01		YES	YES	1.46E-01		YES	YES	ND			
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND				ND			
Calcium	mg/L	5.65E+01		4.64E+01				5.07E+01				5.82E+01		YES	
Chromium	mg/L		4.69E-03	ND				ND				1.06E-02			YES
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	1.33E+01		YES	YES	1.67E+01		YES	YES	7.83E+00		YES	YES
Lead	mg/L	7.99E-03	1.50E-02									1.78E-02		YES	YES
Magnesium	mg/L	2.13E+01		2.88E+01		YES		3.21E+01		YES		3.30E+01		YES	
Manganese	mg/L	5.81E-01	7.35E-02	1.47E+00		YES	YES	1.57E+00		YES	YES	1.92E+00		YES	YES
Mercury	mg/L		4.60E-04									ND			
Nickel	mg/L		3.13E-02	ND				ND				ND			
Potassium	mg/L	7.20E+00		3.54E+00				3.80E+00				ND			
Selenium	mg/L		7.82E-03									ND			
Sodium	mg/L	1.48E+01		3.94E+01		YES		3.89E+01		YES		3.35E+01		YES	
Thallium	mg/L	1.45E-03	1.00E-04	ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	2.56E-02	J			2.92E-02	J			7.43E-02			
SEMIVOLATILE ORGANIC COMPOUNDS															
Benzo(a)anthracene	mg/L		2.00E-05									ND			
Benzo(k)fluoranthene	mg/L		1.90E-04									ND			
Di-n-butyl phthalate	mg/L		1.48E-01									5.00E-03	J		
Dibenz(a,h)anthracene	mg/L		1.40E-06									ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03									ND			
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/L		1.56E-01									ND			
Carbon disulfide	mg/L		1.51E-01									3.30E-04	J		
Chlorobenzene	mg/L		1.62E-02									4.20E-04	J		

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G03				OLF-G03				OLF-G03				OLF-G03				OLF-G03				OLF-G03			
			Sample Number	UOX021				UOX022				UPB021				UPB022				UPC019				UPC020			
			Sample Date	10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/L		1.80E-04																								
4,4'-DDE	mg/L		1.30E-04																								
4,4'-DDT	mg/L		1.00E-04																								
Endosulfan I	mg/L		9.35E-03																								
Endosulfan II	mg/L		9.35E-03																								
Endrin	mg/L		4.40E-04																								
Endrin ketone	mg/L		4.00E-05																								
Heptachlor	mg/L		1.00E-05																								
Heptachlor epoxide	mg/L		6.60E-06																								
Isodrin	mg/L																										
alpha-BHC	mg/L		1.00E-05																								
gamma-BHC (Lindane)	mg/L		5.00E-05																								
beta-BHC	mg/L		3.60E-05																								
EXPLOSIVES																											
Nitroglycerine	mg/L																			ND				ND			
1,3,5-Trinitrobenzene	mg/L		4.69E-02																								
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00									7.32E+00		YES	YES	1.86E+01		YES	YES								
Arsenic	mg/L	1.78E-02	4.00E-05	2.79E-03			YES	7.87E-03			YES																
Barium	mg/L	1.27E-01	1.10E-01									1.72E-01		YES	YES	1.96E-01		YES	YES								
Beryllium	mg/L	1.24E-03	3.12E-03									2.45E-03		YES		4.28E-03		YES	YES								
Calcium	mg/L	5.65E+01										1.91E+01				2.07E+01											
Chromium	mg/L		4.69E-03									ND				2.63E-02			YES								
Copper	mg/L	2.55E-02	6.26E-02									8.85E-02		YES	YES	1.69E-01		YES	YES								
Iron	mg/L	7.04E+00	4.69E-01									1.74E+01		YES	YES	5.19E+01		YES	YES								
Lead	mg/L	7.99E-03	1.50E-02									ND				ND											
Magnesium	mg/L	2.13E+01										1.27E+01				2.21E+01		YES									
Manganese	mg/L	5.81E-01	7.35E-02									6.86E-01		YES	YES	8.33E-01		YES	YES								
Mercury	mg/L		4.60E-04																								
Nickel	mg/L		3.13E-02									4.78E-02			YES	6.54E-02			YES								
Potassium	mg/L	7.20E+00										6.63E+00				1.10E+01		YES									
Sodium	mg/L	1.48E+01										3.41E+01		YES		3.27E+01		YES									
Thallium	mg/L	1.45E-03	1.00E-04									ND				ND											
Vanadium	mg/L	1.70E-02	1.10E-02									ND				3.21E-02		YES	YES								
Zinc	mg/L	2.20E-01	4.69E-01									9.18E-02				1.43E-01											
PESTICIDES/PCBs																											
beta-BHC	mg/L		3.00E-05																								
SEMIVOLATILE ORGANIC COMPOUNDS																											
1,4-Dichlorobenzene	mg/L		1.75E-03																								
Benzo(a)anthracene	mg/L		2.00E-05																								
Benzo(k)fluoranthene	mg/L		1.90E-04																								
Di-n-butyl phthalate	mg/L		1.48E-01																								
Dichlorobenzenes	mg/L																										
Diethyl phthalate	mg/L		1.23E+00																								
Hexachlorocyclopentadiene	mg/L		7.98E-03																								
Naphthalene	mg/L		3.00E-03																								
VOLATILE ORGANIC COMPOUNDS																											
1,1-Dichloroethane	mg/L		1.54E-01																								
1,2-Dichloroethene	mg/L		1.39E-02																								
Benzene	mg/L		1.40E-03																								
Chlorobenzene	mg/L		1.62E-02																								
Methylene chloride	mg/L		7.85E-03																								
Tetrachloroethene	mg/L		1.25E-03																								
Toluene	mg/L		2.59E-01																								
Trichloroethene	mg/L		4.50E-03																								
Vinyl chloride	mg/L		3.00E-05																								
Xylene, Total	mg/L		2.80E+00																								

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G03				OLF-G03				OLF-G03				OLF-G03				OLF-G03				OLF-G03			
			Sample Number	UPD021				UPD022				UPI009				UPI010				UPR003				UPR004			
			Sample Date	10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/L		1.80E-04																	ND				ND			
4,4'-DDE	mg/L		1.30E-04																	ND				ND			
4,4'-DDT	mg/L		1.00E-04																	ND				ND			
Endosulfan I	mg/L		9.35E-03																	ND				ND			
Endosulfan II	mg/L		9.35E-03																	ND				ND			
Endrin	mg/L		4.40E-04																	ND				ND			
Endrin ketone	mg/L		4.00E-05																	ND				ND			
Heptachlor	mg/L		1.00E-05																	ND				ND			
Heptachlor epoxide	mg/L		6.60E-06																	ND				ND			
Isodrin	mg/L																			ND				ND			
alpha-BHC	mg/L		1.00E-05																	ND				ND			
gamma-BHC (Lindane)	mg/L		5.00E-05																	ND				ND			
beta-BHC	mg/L		3.60E-05																	ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L																										
1,3,5-Trinitrobenzene	mg/L		4.69E-02																								
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00																								
Arsenic	mg/L	1.78E-02	4.00E-05																								
Barium	mg/L	1.27E-01	1.10E-01																								
Beryllium	mg/L	1.24E-03	3.12E-03																								
Calcium	mg/L	5.65E+01																									
Chromium	mg/L		4.69E-03																								
Copper	mg/L	2.55E-02	6.26E-02																								
Iron	mg/L	7.04E+00	4.69E-01																								
Lead	mg/L	7.99E-03	1.50E-02																								
Magnesium	mg/L	2.13E+01																									
Manganese	mg/L	5.81E-01	7.35E-02																								
Mercury	mg/L		4.60E-04	8.42E-04			YES	1.14E-03			YES																
Nickel	mg/L		3.13E-02																								
Potassium	mg/L	7.20E+00																									
Sodium	mg/L	1.48E+01																									
Thallium	mg/L	1.45E-03	1.00E-04																								
Vanadium	mg/L	1.70E-02	1.10E-02																								
Zinc	mg/L	2.20E-01	4.69E-01																								
PESTICIDES/PCBs																											
beta-BHC	mg/L		3.00E-05																								
SEMIVOLATILE ORGANIC COMPOUNDS																											
1,4-Dichlorobenzene	mg/L		1.75E-03																	ND				ND			
Benzo(a)anthracene	mg/L		2.00E-05																	ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04																	ND				ND			
Di-n-butyl phthalate	mg/L		1.48E-01																	ND				ND			
Dichlorobenzenes	mg/L											ND				ND											
Diethyl phthalate	mg/L		1.23E+00																	ND				ND			
Hexachlorocyclopentadiene	mg/L		7.98E-03																	ND				ND			
Naphthalene	mg/L		3.00E-03																	ND				ND			
VOLATILE ORGANIC COMPOUNDS																											
1,1-Dichloroethane	mg/L		1.54E-01									ND				ND											
1,2-Dichloroethene	mg/L		1.39E-02									ND				ND											
Benzene	mg/L		1.40E-03									ND				ND											
Chlorobenzene	mg/L		1.62E-02									ND				ND											
Methylene chloride	mg/L		7.85E-03									ND				ND											
Tetrachloroethene	mg/L		1.25E-03									1.60E-03			YES	4.00E-03			YES								
Toluene	mg/L		2.59E-01									ND				ND											
Trichloroethene	mg/L		4.50E-03									ND				ND											
Vinyl chloride	mg/L		3.00E-05									ND				ND											
Xylene, Total	mg/L		2.80E+00																								

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G03				OLF-G03				OLF-G03				OLF-G03				OLF-G03				OLF-G03			
			Sample Number	UPS004				UPS005				UB04885				UC00428				UC02020				A-0014			
			Sample Date	10-Jun-92				10-Jun-92				15-Jul-94				5-Feb-95				30-Jun-95				16-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/L		1.80E-04	ND				ND				ND				ND				ND				ND			
4,4'-DDE	mg/L		1.30E-04	ND				5.70E-06				ND				ND				ND				ND			
4,4'-DDT	mg/L		1.00E-04	ND				ND				ND				ND				ND				ND			
Endosulfan I	mg/L		9.35E-03	ND				ND				ND				ND				ND				ND			
Endosulfan II	mg/L		9.35E-03	ND				ND				ND				ND				ND				ND			
Endrin	mg/L		4.40E-04	ND				ND				ND				ND				ND				ND			
Endrin ketone	mg/L		4.00E-05	ND				ND				ND				ND				3.70E-06				ND			
Heptachlor	mg/L		1.00E-05	ND				ND				ND				ND				ND				ND			
Heptachlor epoxide	mg/L		6.60E-06	ND				ND				ND				ND				ND				ND			
Isodrin	mg/L			9.70E-06				1.82E-05				ND				5.50E-06				3.15E-05				NR			
alpha-BHC	mg/L		1.00E-05	ND				ND				ND				ND				ND				ND			
gamma-BHC (Lindane)	mg/L		5.00E-05	ND				3.60E-06				ND				ND				ND				ND			
beta-BHC	mg/L		3.60E-05	ND				ND				ND				ND				ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L											ND				ND				ND				NR			
1,3,5-Trinitrobenzene	mg/L		4.69E-02									2.64E-04				ND				ND				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00									5.41E+00		YES	YES	3.69E+00		YES	YES					3.00E-01	J		
Arsenic	mg/L	1.78E-02	4.00E-05									4.44E-03			YES	2.86E-03			YES					ND			
Barium	mg/L	1.27E-01	1.10E-01									1.58E-01		YES	YES	1.43E-01		YES	YES					ND			
Beryllium	mg/L	1.24E-03	3.12E-03									1.54E-03		YES		3.46E-03		YES	YES					ND			
Calcium	mg/L	5.65E+01										2.00E+01				2.21E+01								1.90E+01			
Chromium	mg/L		4.69E-03									ND				ND								ND			
Copper	mg/L	2.55E-02	6.26E-02									1.00E-01		YES	YES	5.59E-02		YES						ND			
Iron	mg/L	7.04E+00	4.69E-01									4.82E+01		YES	YES	3.58E+01		YES	YES					9.78E+00		YES	YES
Lead	mg/L	7.99E-03	1.50E-02									1.45E-02		YES		9.58E-03		YES						9.80E-03		YES	
Magnesium	mg/L	2.13E+01										1.59E+01				1.62E+01								1.06E+01			
Manganese	mg/L	5.81E-01	7.35E-02									7.82E-01		YES	YES	9.18E-01		YES	YES					7.01E-01		YES	YES
Mercury	mg/L		4.60E-04									3.43E-04				ND				3.58E-04				ND			
Nickel	mg/L		3.13E-02									4.85E-02			YES	4.14E-02			YES					ND			
Potassium	mg/L	7.20E+00										6.66E+00				6.46E+00								ND			
Sodium	mg/L	1.48E+01										3.13E+01		YES		2.97E+01		YES						2.68E+01		YES	
Thallium	mg/L	1.45E-03	1.00E-04									2.05E-03		YES	YES	ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02									ND				ND								ND			
Zinc	mg/L	2.20E-01	4.69E-01									9.29E-02				9.50E-02								8.46E-02	J		
PESTICIDES/PCBs																											
beta-BHC	mg/L		3.00E-05																					ND			
SEMIVOLATILE ORGANIC COMPOUNDS																											
1,4-Dichlorobenzene	mg/L		1.75E-03									ND				ND								ND			
Benzo(a)anthracene	mg/L		2.00E-05									ND				ND				ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04									ND				ND				ND				ND			
Di-n-butyl phthalate	mg/L		1.48E-01									ND				ND								3.70E-03	J		
Dichlorobenzenes	mg/L											ND				ND				ND				ND			
Diethyl phthalate	mg/L		1.23E+00									ND				ND								ND			
Hexachlorocyclopentadiene	mg/L		7.98E-03									ND				ND				ND				ND			
Naphthalene	mg/L		3.00E-03									ND				ND								ND			
VOLATILE ORGANIC COMPOUNDS																											
1,1-Dichloroethane	mg/L		1.54E-01									ND				ND				ND				ND			
1,2-Dichloroethene	mg/L		1.39E-02									ND				ND				ND				ND			
Benzene	mg/L		1.40E-03									ND				ND				ND				ND			
Chlorobenzene	mg/L		1.62E-02									ND				ND				ND				ND			
Methylene chloride	mg/L		7.85E-03									ND				ND				ND				2.70E-04	B		
Tetrachloroethene	mg/L		1.25E-03									1.30E-03			YES	2.30E-03			YES	ND				9.20E-04	J		
Toluene	mg/L		2.59E-01									ND				ND				ND				2.30E-04	B		
Trichloroethene	mg/L		4.50E-03									ND				ND				ND				1.60E-04	J		
Vinyl chloride	mg/L		3.00E-05									ND				ND				ND				ND			
Xylene, Total	mg/L		2.80E+00																					ND			

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G04				OLF-G04				OLF-G04				OLF-G04				OLF-G04				OLF-G04			
			Sample Number	UOX023				UPB023				UPC021				UPD023				UPI011				UPR005			
			Sample Date	10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92				10-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDD	mg/L		1.80E-04																					ND			
4,4'-DDE	mg/L		1.30E-04																					ND			
4,4'-DDT	mg/L		1.00E-04																					ND			
Endosulfan I	mg/L		9.35E-03																					ND			
Endosulfan II	mg/L		9.35E-03																					ND			
Endrin	mg/L		4.40E-04																					ND			
Endrin ketone	mg/L		4.00E-05																					ND			
Heptachlor	mg/L		1.00E-05																					ND			
Heptachlor epoxide	mg/L		6.60E-06																					ND			
Isodrin	mg/L																							ND			
alpha-BHC	mg/L		1.00E-05																					ND			
gamma-BHC (Lindane)	mg/L		5.00E-05																					ND			
beta-BHC	mg/L		3.60E-05																					ND			
EXPLOSIVES																											
Nitroglycerine	mg/L																										
1,3,5-Trinitrobenzene	mg/L		4.69E-02									ND															
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00					1.57E+00			YES																
Arsenic	mg/L	1.78E-02	4.00E-05	ND																							
Barium	mg/L	1.27E-01	1.10E-01					8.48E-02																			
Beryllium	mg/L	1.24E-03	3.12E-03					ND																			
Calcium	mg/L	5.65E+01						1.00E+00																			
Chromium	mg/L		4.69E-03					ND																			
Copper	mg/L	2.55E-02	6.26E-02					ND																			
Iron	mg/L	7.04E+00	4.69E-01					1.62E+00			YES																
Lead	mg/L	7.99E-03	1.50E-02					ND																			
Magnesium	mg/L	2.13E+01						6.42E+00																			
Manganese	mg/L	5.81E-01	7.35E-02					3.54E-01			YES																
Mercury	mg/L		4.60E-04													1.49E-03			YES								
Nickel	mg/L		3.13E-02					ND																			
Potassium	mg/L	7.20E+00						7.79E+00		YES																	
Sodium	mg/L	1.48E+01						2.64E+00																			
Thallium	mg/L	1.45E-03	1.00E-04					ND																			
Vanadium	mg/L	1.70E-02	1.10E-02					ND																			
Zinc	mg/L	2.20E-01	4.69E-01					ND																			
PESTICIDES/PCBs																											
beta-BHC	mg/L		3.00E-05																								
SEMIVOLATILE ORGANIC COMPOUNDS																											
1,4-Dichlorobenzene	mg/L		1.75E-03																					ND			
Benzo(a)anthracene	mg/L		2.00E-05																					ND			
Benzo(k)fluoranthene	mg/L		1.90E-04																					ND			
Di-n-butyl phthalate	mg/L		1.48E-01																					ND			
Dichlorobenzenes	mg/L																			ND							
Diethyl phthalate	mg/L		1.23E+00																					ND			
Hexachlorocyclopentadiene	mg/L		7.98E-03																					ND			
Naphthalene	mg/L		3.00E-03																					ND			
VOLATILE ORGANIC COMPOUNDS																											
1,1-Dichloroethane	mg/L		1.54E-01																	1.00E-02							
1,2-Dichloroethene	mg/L		1.39E-02																	ND							
Benzene	mg/L		1.40E-03																	1.50E-03			YES				
Chlorobenzene	mg/L		1.62E-02																	ND							
Methylene chloride	mg/L		7.85E-03																	ND							
Tetrachloroethene	mg/L		1.25E-03																	ND							
Toluene	mg/L		2.59E-01																	ND							
Trichloroethene	mg/L		4.50E-03																	ND							
Vinyl chloride	mg/L		3.00E-05																	ND							
Xylene, Total	mg/L		2.80E+00																								

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G04				OLF-G04				OLF-G04				OLF-G04				OLF-G04			
			Sample Number	UPS006				UB04943				UC00389				UC01989				A-0017			
			Sample Date	10-Jun-92				17-Jul-94				2-Feb-95				28-Jun-95				13-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																							
4,4'-DDD	mg/L		1.80E-04	2.95E-05				ND				ND				ND				ND			
4,4'-DDE	mg/L		1.30E-04	7.59E-05				1.92E-05				2.05E-05				ND				ND			
4,4'-DDT	mg/L		1.00E-04	3.40E-06				ND				4.30E-06				ND				ND			
Endosulfan I	mg/L		9.35E-03	2.30E-05				1.57E-05				7.50E-06				ND				ND			
Endosulfan II	mg/L		9.35E-03	2.44E-05				ND				ND				ND				ND			
Endrin	mg/L		4.40E-04	1.31E-04				8.14E-05				5.80E-05				ND				ND			
Endrin ketone	mg/L		4.00E-05	ND												ND				ND			
Heptachlor	mg/L		1.00E-05	1.61E-04			YES	8.38E-05			YES	ND				ND				ND			
Heptachlor epoxide	mg/L		6.60E-06	3.03E-05			YES	ND				ND				ND				ND			
Isodrin	mg/L			9.80E-06				ND				ND				ND				NR			
alpha-BHC	mg/L		1.00E-05	2.31E-04			YES	7.17E-05			YES					ND				ND			
gamma-BHC (Lindane)	mg/L		5.00E-05	ND				ND				ND				ND				ND			
beta-BHC	mg/L		3.60E-05	ND				ND				ND				ND				5.40E-05			YES
EXPLOSIVES																							
Nitroglycerine	mg/L							1.73E-03				1.52E-03				ND				NR			
1,3,5-Trinitrobenzene	mg/L		4.69E-02					ND				ND				ND				ND			
METALS																							
Aluminum	mg/L	2.34E+00	1.56E+00					1.60E+00			YES	1.12E+01		YES	YES	3.85E+00		YES	YES	6.00E-01	J		
Arsenic	mg/L	1.78E-02	4.00E-05					ND				ND								ND			
Barium	mg/L	1.27E-01	1.10E-01					1.12E-01			YES	1.54E-01		YES	YES	1.31E-01		YES	YES	ND			
Beryllium	mg/L	1.24E-03	3.12E-03					ND				3.23E-03		YES	YES	1.52E-03		YES		ND			
Calcium	mg/L	5.65E+01						1.57E+00				1.38E+00				1.80E+00				ND			
Chromium	mg/L		4.69E-03					ND				ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02					ND				2.16E-02				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01					3.02E+00			YES	1.89E+01		YES	YES	8.34E+00		YES	YES	9.30E-01			YES
Lead	mg/L	7.99E-03	1.50E-02					5.32E-03				7.46E-02		YES	YES					6.30E-03	B		
Magnesium	mg/L	2.13E+01						9.10E+00				1.75E+01				1.21E+01				5.04E+00			
Manganese	mg/L	5.81E-01	7.35E-02					2.93E-01			YES	4.30E-01			YES	3.00E-01			YES	1.45E-01			YES
Mercury	mg/L		4.60E-04					1.46E-03			YES	1.36E-03			YES					2.10E-03			YES
Nickel	mg/L		3.13E-02					ND				3.25E-02			YES	ND				ND			
Potassium	mg/L	7.20E+00						1.06E+01		YES		1.54E+01		YES		1.31E+01		YES		6.98E+00			
Sodium	mg/L	1.48E+01						3.07E+00				2.64E+00				3.06E+00				ND			
Thallium	mg/L	1.45E-03	1.00E-04					ND				ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02					ND				ND				ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01					2.35E-02				6.93E-02				9.94E-02	M			5.54E-02	J		
PESTICIDES/PCBs																							
beta-BHC	mg/L		3.00E-05																	5.40E-05			YES
SEMIVOLATILE ORGANIC COMPOUNDS																							
1,4-Dichlorobenzene	mg/L		1.75E-03					4.60E-03			YES	ND				ND				ND			
Benzo(a)anthracene	mg/L		2.00E-05					ND				ND				3.11E-05			YES	ND			
Benzo(k)fluoranthene	mg/L		1.90E-04					ND				ND				6.06E-05				ND			
Di-n-butyl phthalate	mg/L		1.48E-01					ND				ND				ND				ND			
Dichlorobenzenes	mg/L							2.30E-03				ND				ND				ND			
Diethyl phthalate	mg/L		1.23E+00					ND				ND				ND				1.60E-03	J		
Hexachlorocyclopentadiene	mg/L		7.98E-03					ND				ND				1.78E-04				ND			
Naphthalene	mg/L		3.00E-03					1.40E-03				1.00E-03				ND				ND			
VOLATILE ORGANIC COMPOUNDS																							
1,1-Dichloroethane	mg/L		1.54E-01					9.60E-03				8.40E-03				1.10E-02				4.20E-03			
1,2-Dichloroethene	mg/L		1.39E-02					6.20E-03				ND				6.30E-03				2.10E-03			
Benzene	mg/L		1.40E-03					1.60E-03			YES	1.40E-03				1.60E-03			YES	9.10E-04	J		
Chlorobenzene	mg/L		1.62E-02					ND				ND				ND				1.50E-04	J		
Methylene chloride	mg/L		7.85E-03					ND				4.60E-03				ND				9.90E-04	B		
Tetrachloroethene	mg/L		1.25E-03					ND				ND				ND				3.60E-04	J		
Toluene	mg/L		2.59E-01					ND				ND				ND				ND			
Trichloroethene	mg/L		4.50E-03					ND				ND				1.20E-03				ND			
Vinyl chloride	mg/L		3.00E-05					1.47E-03			YES	1.60E-03			YES	2.24E-03			YES	ND			
Xylene, Total	mg/L		2.80E+00																	3.10E-04	J		

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G05				OLF-G05				OLF-G05				OLF-G05				OLF-G05				OLF-G05			
			Sample Number	UMY037				UOO009				UOP008				UOQ009				UB05028				UC00429			
			Sample Date	7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92				18-Jul-94				5-Feb-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04									ND				4.90E-06				ND				ND			
alpha-BHC	mg/L		1.00E-05									ND				ND				ND				ND			
delta-BHC	mg/L		4.40E-04									ND				ND				4.20E-06				ND			
gamma-BHC (Lindane)	mg/L		5.00E-05									ND				ND				ND				ND			
Isodrin	mg/L											ND				1.64E-05				ND				4.10E-06			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	2.31E+00			YES													1.29E+00				5.43E-01			
Barium	mg/L	1.27E-01	1.10E-01	3.61E-02																2.04E-02				1.91E-02			
Beryllium	mg/L	1.24E-03	3.12E-03	ND																ND				ND			
Calcium	mg/L	5.65E+01		4.92E+00																5.89E+00				4.82E+00			
Chromium	mg/L		4.69E-03	1.83E-02			YES													ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	5.87E+00			YES													2.45E+00			YES	1.73E+00			YES
Lead	mg/L	7.99E-03	1.50E-02	ND																ND				ND			
Magnesium	mg/L	2.13E+01		3.39E+00																3.50E+00				2.99E+00			
Manganese	mg/L	5.81E-01	7.35E-02	2.57E-01			YES													1.04E-01			YES	7.91E-02			YES
Nickel	mg/L		3.13E-02	ND																ND				ND			
Potassium	mg/L	7.20E+00		3.81E+00																4.52E+00				3.27E+00			
Sodium	mg/L	1.48E+01		4.65E+00																4.35E+00				3.40E+00			
Thallium	mg/L	1.45E-03	1.00E-04	ND																ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	3.58E-02																2.70E-02				ND			
SEMIVOLATILE ORGANIC COMPOUNDS																											
Benzo(k)fluoranthene	mg/L		1.90E-04									ND								ND				ND			
Di-n-butyl phthalate	mg/L		1.48E-01									ND								ND				ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03									1.30E-02			YES					ND				ND			
VOLATILE ORGANIC COMPOUNDS																											
4-Methyl-2-pentanone	mg/L		5.84E-02					3.90E-03												ND				ND			

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G05				OLF-G05				OLF-G06				OLF-G06				OLF-G06				OLF-G06			
			Sample Number	UC01992				A-0018				UOP012				UOQ013				UPI004				UPB025			
			Sample Date	29-Jun-95				14-Feb-98				9-Jun-92				9-Jun-92				9-Jun-92				10-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04	ND				ND				ND				ND											
alpha-BHC	mg/L		1.00E-05	ND				ND				ND				2.70E-06											
delta-BHC	mg/L		4.40E-04	ND				ND				ND				ND											
gamma-BHC (Lindane)	mg/L		5.00E-05	ND				ND				ND				ND											
Isodrin	mg/L			ND				NR				ND				2.31E-05											
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	1.64E+00			YES	ND																1.73E+00			YES
Barium	mg/L	1.27E-01	1.10E-01	3.90E-02				ND																1.29E-02			
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND																ND			
Calcium	mg/L	5.65E+01		5.89E+00				6.37E+00																6.14E-01			
Chromium	mg/L		4.69E-03	ND				ND																ND			
Iron	mg/L	7.04E+00	4.69E-01	5.75E+00			YES	ND																1.94E+00			YES
Lead	mg/L	7.99E-03	1.50E-02					ND																ND			
Magnesium	mg/L	2.13E+01		3.89E+00				ND																4.99E-01			
Manganese	mg/L	5.81E-01	7.35E-02	2.94E-01			YES	ND																3.95E-02			
Nickel	mg/L		3.13E-02	ND				ND																ND			
Potassium	mg/L	7.20E+00		4.05E+00				ND																4.01E+00			
Sodium	mg/L	1.48E+01		3.90E+00				ND																2.39E+00			
Thallium	mg/L	1.45E-03	1.00E-04	ND				ND																ND			
Zinc	mg/L	2.20E-01	4.69E-01	2.91E-02	J			1.29E-01	J															ND			
SEMIVOLATILE ORGANIC COMPOUNDS																											
Benzo(k)fluoranthene	mg/L		1.90E-04	1.18E-04				ND				ND															
Di-n-butyl phthalate	mg/L		1.48E-01	ND				2.50E-03	J			ND															
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND				ND				ND															
VOLATILE ORGANIC COMPOUNDS																											
4-Methyl-2-pentanone	mg/L		5.84E-02	ND				ND												ND							

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G06				OLF-G06				OLF-G06				OLF-G06				OLF-G06			
			Sample Number	UB04941				UC00424				UC00442				UC01988				UC02023			
			Sample Date	17-Jul-94				3-Feb-95				6-Feb-95				29-Jun-95				30-Jun-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																							
4,4'-DDE	mg/L		1.30E-04	ND								ND				ND				ND			
alpha-BHC	mg/L		1.00E-05	ND								ND				ND				ND			
delta-BHC	mg/L		4.40E-04	ND								ND				ND				6.60E-06			
gamma-BHC (Lindane)	mg/L		5.00E-05	ND								ND				ND				5.00E-06	N		
Isodrin	mg/L			ND								ND				ND				1.75E-05			
METALS																							
Aluminum	mg/L	2.34E+00	1.56E+00	1.49E+01		YES	YES					5.41E+00		YES	YES								
Barium	mg/L	1.27E-01	1.10E-01	1.04E-01								7.03E-02											
Beryllium	mg/L	1.24E-03	3.12E-03	1.17E-03								1.50E-03		YES									
Calcium	mg/L	5.65E+01		1.00E+00								1.35E+00											
Chromium	mg/L		4.69E-03	2.96E-02			YES					ND											
Iron	mg/L	7.04E+00	4.69E-01	1.90E+01		YES	YES					9.84E+00		YES	YES								
Lead	mg/L	7.99E-03	1.50E-02	1.01E-02		YES						7.10E-03											
Magnesium	mg/L	2.13E+01		2.87E+00								1.37E+00											
Manganese	mg/L	5.81E-01	7.35E-02	5.29E-01			YES					3.11E-01			YES								
Nickel	mg/L		3.13E-02	3.50E-02			YES					ND											
Potassium	mg/L	7.20E+00		8.18E+00		YES						6.63E+00											
Sodium	mg/L	1.48E+01		1.26E+00								1.05E+00											
Thallium	mg/L	1.45E-03	1.00E-04	6.01E-03		YES	YES					ND								ND			
Zinc	mg/L	2.20E-01	4.69E-01	5.47E-02								5.14E-02											
SEMIVOLATILE ORGANIC COMPOUNDS																							
Benzo(k)fluoranthene	mg/L		1.90E-04	ND								ND				ND				ND			
Di-n-butyl phthalate	mg/L		1.48E-01	ND								ND				ND							
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND								ND				ND							
VOLATILE ORGANIC COMPOUNDS																							
4-Methyl-2-pentanone	mg/L		5.84E-02	ND				ND								ND							

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G07				OLF-G07				OLF-G07				OLF-G07				OLF-G07				OLF-G07			
			Sample Number	UMY033				UMY034				UNV033				UNV034				UON015				UON016			
			Sample Date	7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04																								
4,4'-DDT	mg/L		1.00E-04																								
Aldrin	mg/L		3.90E-06																								
Dieldrin	mg/L		4.00E-06																								
Endosulfan I	mg/L		9.35E-03																								
Endrin	mg/L		4.40E-04																								
Heptachlor	mg/L		1.00E-05																								
Isodrin	mg/L																										
Methoxychlor	mg/L		7.55E-03																								
alpha-BHC	mg/L		1.00E-05																								
delta-BHC	mg/L		4.40E-04																								
gamma-BHC (Lindane)	mg/L		5.00E-05																								
EXPLOSIVES																											
Nitroglycerine	mg/L																										
1,3,5-Trinitrobenzene	mg/L		4.69E-02																	ND				ND			
2,4,6-Trinitrotoluene	mg/L		2.22E-03																	ND				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	1.35E+00				1.45E+00																			
Barium	mg/L	1.27E-01	1.10E-01	5.54E-02				5.51E-02																			
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND																			
Calcium	mg/L	5.65E+01		1.31E+01				9.84E+00																			
Chromium	mg/L		4.69E-03	ND				ND																			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND																			
Iron	mg/L	7.04E+00	4.69E-01	1.03E+00			YES	9.86E-01			YES																
Lead	mg/L	7.99E-03	1.50E-02	ND				ND																			
Magnesium	mg/L	2.13E+01		7.05E+00				5.29E+00																			
Mercury	mg/L		4.60E-04									ND				ND											
Manganese	mg/L	5.81E-01	7.35E-02	4.14E-01			YES	3.06E-01			YES																
Potassium	mg/L	7.20E+00		4.29E+00				3.88E+00																			
Sodium	mg/L	1.48E+01		7.05E+00				6.75E+00																			
Zinc	mg/L	2.20E-01	4.69E-01	ND				3.30E-02																			
SEMIVOLATILE ORGANIC COMPOUNDS																											
2,6-Dinitrotoluene	mg/L		9.00E-05																	ND				ND			
Benzo(a)anthracene	mg/L		2.00E-05																								
Benzo(k)fluoranthene	mg/L		1.90E-04																								
Di-n-butyl phthalate	mg/L		1.48E-01																								
Hexachlorocyclopentadiene	mg/L		7.98E-03																								
Pentachlorophenol	mg/L		2.60E-04																								
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03																								
VOLATILE ORGANIC COMPOUNDS																											
1,1,2,2-Tetrachloroethane	mg/L		2.00E-04																								
1,1,2-Trichloroethane	mg/L		7.10E-04																								
1,2-Dichloroethene	mg/L		1.39E-02																								
Carbon disulfide	mg/L		1.51E-01																								
Chlorobenzene	mg/L		1.62E-02																								
Methylene chloride	mg/L		7.85E-03																								
Tetrachloroethene	mg/L		1.25E-03																								
Trichloroethene	mg/L		4.50E-03																								

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G07				OLF-G07				OLF-G07				OLF-G07				OLF-G07				OLF-G07			
			Sample Number	UOO005				UOO006				UOP004				UOP005				UOQ005				UOQ006			
			Sample Date	7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04									ND				ND				3.90E-06				ND			
4,4'-DDT	mg/L		1.00E-04									ND				ND				ND				ND			
Aldrin	mg/L		3.90E-06									ND				ND				ND				ND			
Dieldrin	mg/L		4.00E-06									ND				ND				ND				ND			
Endosulfan I	mg/L		9.35E-03									ND				ND				ND				ND			
Endrin	mg/L		4.40E-04									ND				ND				ND				ND			
Heptachlor	mg/L		1.00E-05									ND				ND				ND				ND			
Isodrin	mg/L											ND				ND				7.60E-06				2.37E-05			
Methoxychlor	mg/L		7.55E-03									ND				ND				ND				ND			
alpha-BHC	mg/L		1.00E-05									ND				ND				ND				ND			
delta-BHC	mg/L		4.40E-04									ND				ND				ND				ND			
gamma-BHC (Lindane)	mg/L		5.00E-05									ND				ND				ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L																										
1,3,5-Trinitrobenzene	mg/L		4.69E-02																								
2,4,6-Trinitrotoluene	mg/L		2.22E-03																								
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00																								
Barium	mg/L	1.27E-01	1.10E-01																								
Beryllium	mg/L	1.24E-03	3.12E-03																								
Calcium	mg/L	5.65E+01																									
Chromium	mg/L		4.69E-03																								
Copper	mg/L	2.55E-02	6.26E-02																								
Iron	mg/L	7.04E+00	4.69E-01																								
Lead	mg/L	7.99E-03	1.50E-02																								
Magnesium	mg/L	2.13E+01																									
Mercury	mg/L		4.60E-04																								
Manganese	mg/L	5.81E-01	7.35E-02																								
Potassium	mg/L	7.20E+00																									
Sodium	mg/L	1.48E+01																									
Zinc	mg/L	2.20E-01	4.69E-01																								
SEMIVOLATILE ORGANIC COMPOUNDS																											
2,6-Dinitrotoluene	mg/L		9.00E-05									ND				ND											
Benzo(a)anthracene	mg/L		2.00E-05									ND				ND											
Benzo(k)fluoranthene	mg/L		1.90E-04									ND				ND											
Di-n-butyl phthalate	mg/L		1.48E-01									ND				ND											
Hexachlorocyclopentadiene	mg/L		7.98E-03									ND				ND											
Pentachlorophenol	mg/L		2.60E-04									ND				ND											
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03									2.50E-02			YES	2.50E-02			YES								
VOLATILE ORGANIC COMPOUNDS																											
1,1,2,2-Tetrachloroethane	mg/L		2.00E-04	2.20E-02			YES	1.70E-02			YES																
1,1,2-Trichloroethane	mg/L		7.10E-04	ND				ND																			
1,2-Dichloroethene	mg/L		1.39E-02	ND				ND																			
Carbon disulfide	mg/L		1.51E-01	ND				ND																			
Chlorobenzene	mg/L		1.62E-02	ND				ND																			
Methylene chloride	mg/L		7.85E-03	ND				ND																			
Tetrachloroethene	mg/L		1.25E-03	ND				ND																			
Trichloroethene	mg/L		4.50E-03	6.30E-03			YES	3.80E-03																			

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G07				OLF-G07				OLF-G07				OLF-G07				OLF-G07				OLF-G07			
			Sample Number	UOQ007				UOQ008				UB04945				UC00430				UC00431				UC02024			
			Sample Date	7-Jun-92				7-Jun-92				17-Jul-94				5-Feb-95				5-Feb-95				30-Jun-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04	ND				ND				ND				ND				ND				ND			
4,4'-DDT	mg/L		1.00E-04	1.14E-04			YES	7.48E-05				ND				ND				3.00E-06				6.60E-06			
Aldrin	mg/L		3.90E-06	6.49E-05			YES	4.87E-05			YES	ND				ND				ND				ND			
Dieldrin	mg/L		4.00E-06	2.49E-04			YES	2.42E-04			YES	ND				ND				ND				ND			
Endosulfan I	mg/L		9.35E-03	2.72E-04				2.67E-04				ND				ND				ND				ND			
Endrin	mg/L		4.40E-04	2.47E-04				2.40E-04				ND				ND				ND				ND			
Heptachlor	mg/L		1.00E-05	9.69E-05			YES	7.92E-05			YES	ND				ND				ND				1.00E-05			
Isodrin	mg/L			1.68E-05				3.15E-05				ND				6.00E-06				1.03E-05				4.40E-05			
Methoxychlor	mg/L		7.55E-03	1.88E-03				1.68E-03				ND				ND				ND				ND			
alpha-BHC	mg/L		1.00E-05	ND				ND				2.12E-05			YES	ND				ND				4.80E-06			
delta-BHC	mg/L		4.40E-04	ND				ND				ND				4.00E-06				ND				ND			
gamma-BHC (Lindane)	mg/L		5.00E-05	3.70E-04			YES	3.52E-04			YES	ND				ND				ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L											ND				ND				3.42E-03				ND			
1,3,5-Trinitrobenzene	mg/L		4.69E-02									2.37E-04				ND				ND				ND			
2,4,6-Trinitrotoluene	mg/L		2.22E-03									ND				ND				ND				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00									5.06E+00		YES	YES	8.35E-01				9.88E-01							
Barium	mg/L	1.27E-01	1.10E-01									9.66E-02				4.59E-02				4.90E-02							
Beryllium	mg/L	1.24E-03	3.12E-03									ND				1.43E-03		YES		1.93E-03		YES					
Calcium	mg/L	5.65E+01										1.78E+01				2.20E+01				2.02E+01							
Chromium	mg/L		4.69E-03									ND				ND				ND							
Copper	mg/L	2.55E-02	6.26E-02									ND				ND				ND							
Iron	mg/L	7.04E+00	4.69E-01									4.40E+00			YES	1.44E+00			YES	1.59E+00			YES				
Lead	mg/L	7.99E-03	1.50E-02									ND				ND				ND							
Magnesium	mg/L	2.13E+01										9.60E+00				1.23E+01				1.09E+01							
Mercury	mg/L		4.60E-04									ND				ND				ND				ND			
Manganese	mg/L	5.81E-01	7.35E-02									3.09E-01			YES	1.38E-01			YES	1.19E-01			YES				
Potassium	mg/L	7.20E+00										4.99E+00				4.65E+00				4.20E+00							
Sodium	mg/L	1.48E+01										1.07E+01				5.53E+00				5.28E+00							
Zinc	mg/L	2.20E-01	4.69E-01									2.64E-02				ND				ND							
SEMIVOLATILE ORGANIC COMPOUNDS																											
2,6-Dinitrotoluene	mg/L		9.00E-05									ND				ND				ND				ND			
Benzo(a)anthracene	mg/L		2.00E-05									ND				ND				ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04									ND				ND				ND				ND			
Di-n-butyl phthalate	mg/L		1.48E-01									ND				ND				ND							
Hexachlorocyclopentadiene	mg/L		7.98E-03									ND				ND				ND				ND			
Pentachlorophenol	mg/L		2.60E-04									3.31E-03			YES	ND				ND				ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03									ND				ND				ND							
VOLATILE ORGANIC COMPOUNDS																											
1,1,2,2-Tetrachloroethane	mg/L		2.00E-04									3.50E-02			YES	6.50E-02			YES	6.40E-02			YES	5.70E-02			YES
1,1,2-Trichloroethane	mg/L		7.10E-04									ND				ND				ND				ND			
1,2-Dichloroethene	mg/L		1.39E-02									ND				5.20E-03				5.20E-03				ND			
Carbon disulfide	mg/L		1.51E-01									ND				ND				ND				ND			
Chlorobenzene	mg/L		1.62E-02									ND				1.20E-03				1.30E-03				1.10E-03			
Methylene chloride	mg/L		7.85E-03									ND				ND				ND				ND			
Tetrachloroethene	mg/L		1.25E-03									ND				ND				ND				ND			
Trichloroethene	mg/L		4.50E-03									1.30E-02			YES	2.40E-02			YES	2.50E-02			YES	2.10E-02			YES

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G07				OLF-G07				OLF-G07				OLF-G08				OLF-G08			
			Sample Number	UC02025				UC02025M				A-0020				UMY032				UNV032			
			Sample Date	30-Jun-95				30-Jun-95				14-Feb-98				7-Jun-92				7-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																							
4,4'-DDE	mg/L		1.30E-04	ND								ND											
4,4'-DDT	mg/L		1.00E-04	ND								ND											
Aldrin	mg/L		3.90E-06	ND								ND											
Dieldrin	mg/L		4.00E-06	ND								ND											
Endosulfan I	mg/L		9.35E-03	ND								ND											
Endrin	mg/L		4.40E-04	ND								ND											
Heptachlor	mg/L		1.00E-05	7.10E-06								ND											
Isodrin	mg/L			3.83E-05								NR											
Methoxychlor	mg/L		7.55E-03	ND								ND											
alpha-BHC	mg/L		1.00E-05	3.60E-06								ND											
delta-BHC	mg/L		4.40E-04	ND								ND											
gamma-BHC (Lindane)	mg/L		5.00E-05	ND								ND											
EXPLOSIVES																							
Nitroglycerine	mg/L			ND								NR											
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND								ND											
2,4,6-Trinitrotoluene	mg/L		2.22E-03	ND								ND											
METALS																							
Aluminum	mg/L	2.34E+00	1.56E+00									ND				5.66E-01							
Barium	mg/L	1.27E-01	1.10E-01									ND				2.57E-02							
Beryllium	mg/L	1.24E-03	3.12E-03									ND				ND							
Calcium	mg/L	5.65E+01										2.11E+01				8.08E+00							
Chromium	mg/L		4.69E-03									ND				ND							
Copper	mg/L	2.55E-02	6.26E-02									ND				ND							
Iron	mg/L	7.04E+00	4.69E-01									1.03E-01	J			1.39E+00			YES				
Lead	mg/L	7.99E-03	1.50E-02									ND				ND							
Magnesium	mg/L	2.13E+01										1.11E+01				4.44E+00							
Mercury	mg/L		4.60E-04									ND								1.91E-04			
Manganese	mg/L	5.81E-01	7.35E-02									3.10E-02				5.37E-02							
Potassium	mg/L	7.20E+00										ND				2.17E+00							
Sodium	mg/L	1.48E+01										5.17E+00				3.24E+00							
Zinc	mg/L	2.20E-01	4.69E-01									7.46E-02	J			3.55E-02							
SEMIVOLATILE ORGANIC COMPOUNDS																							
2,6-Dinitrotoluene	mg/L		9.00E-05	ND								ND											
Benzo(a)anthracene	mg/L		2.00E-05	3.08E-05			YES					ND											
Benzo(k)fluoranthene	mg/L		1.90E-04	ND								ND											
Di-n-butyl phthalate	mg/L		1.48E-01									4.50E-03	J										
Hexachlorocyclopentadiene	mg/L		7.98E-03	ND				4.81E-04				ND											
Pentachlorophenol	mg/L		2.60E-04	ND								ND											
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03									ND											
VOLATILE ORGANIC COMPOUNDS																							
1,1,2,2-Tetrachloroethane	mg/L		2.00E-04									9.20E-02			YES								
1,1,2-Trichloroethane	mg/L		7.10E-04									9.30E-04	J		YES								
1,2-Dichloroethene	mg/L		1.39E-02									6.30E-03											
Carbon disulfide	mg/L		1.51E-01									ND											
Chlorobenzene	mg/L		1.62E-02									1.60E-03	J										
Methylene chloride	mg/L		7.85E-03									6.20E-04	B										
Tetrachloroethene	mg/L		1.25E-03									5.80E-04	J										
Trichloroethene	mg/L		4.50E-03									3.80E-02			YES								

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G08				OLF-G08				OLF-G08				OLF-G08				OLF-G08				OLF-G08			
			Sample Number	UON014				UOO004				UOP003				UOQ004				UB04944				UC00432			
			Sample Date	7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92				17-Jul-94				5-Feb-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04									ND				ND				ND				ND			
4,4'-DDT	mg/L		1.00E-04									ND				ND				ND				ND			
Aldrin	mg/L		3.90E-06									ND				ND				ND				ND			
Dieldrin	mg/L		4.00E-06									ND				ND				ND				ND			
Endosulfan I	mg/L		9.35E-03									ND				ND				ND				ND			
Endrin	mg/L		4.40E-04									ND				ND				ND				ND			
Heptachlor	mg/L		1.00E-05									ND				ND				ND				ND			
Isodrin	mg/L											ND				7.60E-06				4.00E-06				1.11E-05			
Methoxychlor	mg/L		7.55E-03									ND				ND				ND				ND			
alpha-BHC	mg/L		1.00E-05									ND				ND				1.36E-05			YES	ND			
delta-BHC	mg/L		4.40E-04									ND				ND				ND				5.90E-06			
gamma-BHC (Lindane)	mg/L		5.00E-05									ND				9.60E-06				ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L																			ND				ND			
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND																3.31E-03				ND			
2,4,6-Trinitrotoluene	mg/L		2.22E-03	ND																ND				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00																	3.60E+00		YES	YES	2.53E+00		YES	YES
Barium	mg/L	1.27E-01	1.10E-01																	5.25E-02				3.73E-02			
Beryllium	mg/L	1.24E-03	3.12E-03																	ND				ND			
Calcium	mg/L	5.65E+01																		1.41E+01				1.14E+01			
Chromium	mg/L		4.69E-03																	ND				ND			
Copper	mg/L	2.55E-02	6.26E-02																	ND				ND			
Iron	mg/L	7.04E+00	4.69E-01																	8.20E+00		YES	YES	4.56E+00			YES
Lead	mg/L	7.99E-03	1.50E-02																	ND				ND			
Magnesium	mg/L	2.13E+01																		5.84E+00				5.93E+00			
Mercury	mg/L		4.60E-04																	ND				ND			
Manganese	mg/L	5.81E-01	7.35E-02																	1.11E-01			YES	5.00E-02			
Potassium	mg/L	7.20E+00																		1.81E+00				2.78E+00			
Sodium	mg/L	1.48E+01																		3.35E+00				3.41E+00			
Zinc	mg/L	2.20E-01	4.69E-01																	ND				ND			
SEMIVOLATILE ORGANIC COMPOUNDS																											
2,6-Dinitrotoluene	mg/L		9.00E-05	ND								ND								ND				ND			
Benzo(a)anthracene	mg/L		2.00E-05									ND								ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04									ND								ND				ND			
Di-n-butyl phthalate	mg/L		1.48E-01									ND								ND				ND			
Hexachlorocyclopentadiene	mg/L		7.98E-03									ND								ND				ND			
Pentachlorophenol	mg/L		2.60E-04									ND								1.51E-03			YES	ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03									5.30E-02			YES					ND				ND			
VOLATILE ORGANIC COMPOUNDS																											
1,1,2,2-Tetrachloroethane	mg/L		2.00E-04					ND												ND				ND			
1,1,2-Trichloroethane	mg/L		7.10E-04					ND												ND				ND			
1,2-Dichloroethene	mg/L		1.39E-02					ND												ND				ND			
Carbon disulfide	mg/L		1.51E-01					ND												ND				ND			
Chlorobenzene	mg/L		1.62E-02					ND												ND				ND			
Methylene chloride	mg/L		7.85E-03					ND												ND				ND			
Tetrachloroethene	mg/L		1.25E-03					ND												ND				ND			
Trichloroethene	mg/L		4.50E-03					ND												ND				ND			

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80			
			Sample Location	OLF-G08				OLF-G08			
			Sample Number	UC01993				A-0023			
			Sample Date	29-Jun-95				14-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES											
4,4'-DDE	mg/L		1.30E-04	ND				ND			
4,4'-DDT	mg/L		1.00E-04	ND				ND			
Aldrin	mg/L		3.90E-06	ND				ND			
Dieldrin	mg/L		4.00E-06	ND				ND			
Endosulfan I	mg/L		9.35E-03	ND				ND			
Endrin	mg/L		4.40E-04	ND				ND			
Heptachlor	mg/L		1.00E-05	ND				ND			
Isodrin	mg/L			ND				NR			
Methoxychlor	mg/L		7.55E-03	ND				ND			
alpha-BHC	mg/L		1.00E-05	ND				ND			
delta-BHC	mg/L		4.40E-04	ND				ND			
gamma-BHC (Lindane)	mg/L		5.00E-05	ND				ND			
EXPLOSIVES											
Nitroglycerine	mg/L			ND				NR			
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND				ND			
2,4,6-Trinitrotoluene	mg/L		2.22E-03	3.15E-03			YES	ND			
METALS											
Aluminum	mg/L	2.34E+00	1.56E+00	4.39E-01				7.18E+00	J	YES	YES
Barium	mg/L	1.27E-01	1.10E-01	5.08E-02				ND			
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND			
Calcium	mg/L	5.65E+01		7.91E+00				1.08E+01			
Chromium	mg/L		4.69E-03	ND				2.14E-02			YES
Copper	mg/L	2.55E-02	6.26E-02	ND				3.37E-02		YES	
Iron	mg/L	7.04E+00	4.69E-01	5.53E+00			YES	1.66E+01		YES	YES
Lead	mg/L	7.99E-03	1.50E-02					1.55E-02		YES	YES
Magnesium	mg/L	2.13E+01		4.00E+00				7.11E+00			
Mercury	mg/L		4.60E-04					ND			
Manganese	mg/L	5.81E-01	7.35E-02	1.50E+00		YES	YES	2.33E-01			YES
Potassium	mg/L	7.20E+00		6.04E+00				ND			
Sodium	mg/L	1.48E+01		5.06E+00				ND			
Zinc	mg/L	2.20E-01	4.69E-01	4.40E-02	M			1.10E-01	J		
SEMIVOLATILE ORGANIC COMPOUNDS											
2,6-Dinitrotoluene	mg/L		9.00E-05	9.31E-04			YES	ND			
Benzo(a)anthracene	mg/L		2.00E-05	ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	7.75E-05				ND			
Di-n-butyl phthalate	mg/L		1.48E-01	ND				3.80E-03	J		
Hexachlorocyclopentadiene	mg/L		7.98E-03	ND				ND			
Pentachlorophenol	mg/L		2.60E-04	ND				ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND				ND			
VOLATILE ORGANIC COMPOUNDS											
1,1,2,2-Tetrachloroethane	mg/L		2.00E-04	ND				2.00E-04			
1,1,2-Trichloroethane	mg/L		7.10E-04	ND				7.10E-04			
1,2-Dichloroethene	mg/L		1.39E-02	ND				1.39E-02			
Carbon disulfide	mg/L		1.51E-01	ND				1.51E-01			
Chlorobenzene	mg/L		1.62E-02	ND				1.62E-02			
Methylene chloride	mg/L		7.85E-03	ND				7.85E-03			
Tetrachloroethene	mg/L		1.25E-03	ND				1.25E-03			
Trichloroethene	mg/L		4.50E-03	ND				4.50E-03			

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G11				OLF-G11				OLF-G11				OLF-G11				OLF-G12				OLF-G12			
			Sample Number	UB04886				UC00435				UC02027				A-0026				UC00950				UC01972			
			Sample Date	15-Jul-94				5-Feb-95				30-Jun-95				18-Feb-98				27-Apr-95				28-Jun-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDT	mg/L		1.00E-04	ND				ND				ND				ND	R			ND				ND			
Endrin ketone	mg/L		4.00E-05	ND				ND				ND				ND	R			ND				ND			
Heptachlor	mg/L		1.00E-05	ND				ND				3.40E-06				ND	R			6.00E-06				ND			
Isodrin	mg/L			ND				1.18E-05				3.44E-05				NR				ND				ND			
alpha-BHC	mg/L		1.00E-05	ND				ND				ND				ND	R			ND				ND			
delta-BHC	mg/L		4.40E-04	ND				ND				4.40E-06				ND	R			ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L			ND				1.52E-03				ND								ND				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	5.24E+00		YES	YES	1.27E+00								1.04E+00								1.64E-01			
Barium	mg/L	1.27E-01	1.10E-01	4.97E-02				2.80E-02								ND								1.81E-02			
Calcium	mg/L	5.65E+01		2.92E+00				2.02E+00								ND								4.19E+00			
Chromium	mg/L		4.69E-03	ND				ND								ND								ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND								ND								ND			
Iron	mg/L	7.04E+00	4.69E-01	8.21E+00		YES	YES	1.94E+00			YES					2.58E+00			YES					4.60E-01			
Lead	mg/L	7.99E-03	1.50E-02	6.77E-03				ND								3.70E-03				ND							
Magnesium	mg/L	2.13E+01		7.26E+00				4.84E+00								ND								2.39E+00			
Manganese	mg/L	5.81E-01	7.35E-02	2.65E-01			YES	8.22E-02			YES					5.57E-01			YES					2.19E-02			
Mercury	mg/L		4.60E-04	ND				ND				ND				ND				ND							
Potassium	mg/L	7.20E+00		5.95E+00				4.73E+00								ND								1.01E+01		YES	
Selenium	mg/L		7.82E-03	ND				4.59E-03				ND				ND				ND							
Sodium	mg/L	1.48E+01		6.30E+00				3.66E+00								5.58E+00								3.09E+00			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND								ND								ND			
Zinc	mg/L	2.20E-01	4.69E-01	4.36E-02				ND								1.17E-01								5.52E-02	J		
SEMIVOLATILE ORGANIC COMPOUNDS																											
2,4-Dinitrotoluene	mg/L		9.00E-05	ND				ND				ND				ND				ND				ND			
4-Chloroaniline	mg/L		6.19E-03	ND				ND								1.80E-03	J			ND				ND			
Benzo(a)anthracene	mg/L		2.00E-05	ND				ND				ND				ND				1.13E-04			YES	3.35E-05			YES
Benzo(b)fluoranthene	mg/L		1.00E-05	ND				ND				ND				ND				1.96E-04			YES	ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				ND				1.72E-04				ND				ND				9.19E-05			
Di-n-butyl phthalate	mg/L		1.48E-01	ND				ND								4.50E-03	J			ND				ND			
Indeno(1,2,3-cd)pyrene	mg/L		1.00E-05	ND				ND				ND				ND				ND				3.41E-05			YES
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND				ND								ND				1.60E-02			YES	ND			
VOLATILE ORGANIC COMPOUNDS																											
1,1,2,2-Tetrachloroethane	mg/L		2.00E-04	ND				ND				ND				ND				2.90E-02			YES				
1,1,2-Trichloroethane	mg/L		7.10E-04	ND				ND				ND				ND				ND							
1,2-Dichloroethene	mg/L		1.39E-02	ND				ND				ND				ND				ND							
Acetone	mg/L		1.56E-01	ND				ND				ND				5.70E-01	J		YES	ND							
Methylene chloride	mg/L		7.85E-03	ND				ND				ND				ND				ND							
Tetrachloroethene	mg/L		1.25E-03	ND				ND				ND				ND				ND							
Trichloroethene	mg/L		4.50E-03	ND				ND				ND				ND				1.40E-02			YES				

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G12				OLF-G13				OLF-G13				OLF-G13				OLF-G13				OLF-G13			
			Sample Number	A-0027				UB04876				UC00436				UC01982				UC02021				A-0028			
			Sample Date	15-Feb-98				14-Jul-94				6-Feb-95				29-Jun-95				30-Jun-95				17-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDT	mg/L		1.00E-04	ND				ND				6.50E-06				ND				ND				ND	R		
Endrin ketone	mg/L		4.00E-05	ND				ND				ND				ND				3.40E-06				ND	R		
Heptachlor	mg/L		1.00E-05	ND				1.17E-05				ND				ND				ND				ND	R		
Isodrin	mg/L			NR				ND				2.06E-05				ND				3.68E-05				NR			
alpha-BHC	mg/L		1.00E-05	ND				3.10E-06				ND				ND				4.30E-06				ND	R		
delta-BHC	mg/L		4.40E-04	ND				ND				ND				ND				ND				ND	R		
EXPLOSIVES																											
Nitroglycerine	mg/L			NR				ND				1.57E-03				ND				ND				NR			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	ND				8.98E-01				6.57E-01				1.42E+00								2.81E+01		YES	YES
Barium	mg/L	1.27E-01	1.10E-01	ND				2.13E-02				4.88E-02				6.65E-02								5.79E-01		YES	YES
Calcium	mg/L	5.65E+01		6.87E+00				2.18E+00				2.83E+00				3.04E+00								2.53E+01			
Chromium	mg/L		4.69E-03	ND				ND				ND				ND								1.73E-02			YES
Copper	mg/L	2.55E-02	6.26E-02	ND				3.18E-02		YES		ND				2.19E-02								9.17E-02		YES	YES
Iron	mg/L	7.04E+00	4.69E-01	ND				9.68E-01			YES	1.07E+00			YES	4.77E+00			YES					4.26E+01		YES	YES
Lead	mg/L	7.99E-03	1.50E-02	ND				ND				ND												2.78E-02		YES	YES
Magnesium	mg/L	2.13E+01		ND				1.07E+00				1.21E+00				1.38E+00								1.08E+01			
Manganese	mg/L	5.81E-01	7.35E-02	ND				6.33E-02				8.61E-02			YES	8.33E-02			YES					4.42E-01			YES
Mercury	mg/L		4.60E-04	2.60E-04				ND				ND												ND			
Potassium	mg/L	7.20E+00		9.28E+00		YES		1.33E+00				ND				ND								ND			
Selenium	mg/L		7.82E-03	ND				ND				ND												ND			
Sodium	mg/L	1.48E+01		5.28E+00				5.59E+00				7.37E+00				8.18E+00								1.03E+01			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND				ND				ND								6.31E-02		YES	YES
Zinc	mg/L	2.20E-01	4.69E-01	9.82E-02	J			6.24E-02				3.80E-02				4.07E-02	J							2.15E-01			
SEMIVOLATILE ORGANIC COMPOUNDS																											
2,4-Dinitrotoluene	mg/L		9.00E-05	ND				ND				ND				ND				4.82E-03			YES	ND			
4-Chloroaniline	mg/L		6.19E-03	ND				ND				ND				ND								ND			
Benzo(a)anthracene	mg/L		2.00E-05	ND				ND				ND				4.73E-05			YES	ND				ND			
Benzo(b)fluoranthene	mg/L		1.00E-05	ND				ND				ND				ND				ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				ND				ND				2.60E-05				ND				ND			
Di-n-butyl phthalate	mg/L		1.48E-01	4.90E-03	J			ND				ND				ND								1.90E-03	J		
Indeno(1,2,3-cd)pyrene	mg/L		1.00E-05	ND				ND				ND				ND				ND				ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND				ND				ND				ND								ND			
VOLATILE ORGANIC COMPOUNDS																											
1,1,2,2-Tetrachloroethane	mg/L		2.00E-04	4.00E-01			YES	ND				ND				ND								ND			
1,1,2-Trichloroethane	mg/L		7.10E-04	3.10E-03	J		YES	ND				ND				ND								ND			
1,2-Dichloroethene	mg/L		1.39E-02	2.00E-02			YES	ND				ND				ND								ND			
Acetone	mg/L		1.56E-01	ND				ND				ND				ND								ND			
Methylene chloride	mg/L		7.85E-03	2.70E-03	B			ND				ND				ND								ND			
Tetrachloroethene	mg/L		1.25E-03	1.70E-03	J		YES	ND				ND				ND								ND			
Trichloroethene	mg/L		4.50E-03	1.00E-01			YES	ND				ND				ND								ND			

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G15				OLF-G15				OLF-G15				OLF-G15				OLF-G15				OLF-G15			
			Sample Number	UB04875				UB04883				UB04883				UC00437				UC00438				UC01983			
			Sample Date	14-Jul-94				14-Jul-94				15-Jul-94				5-Feb-95				5-Feb-95				29-Jun-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
Aroclor 1248	mg/L		1.00E-05	ND												ND								ND			
Endosulfan I	mg/L		9.35E-03	ND												ND								ND			
Heptachlor	mg/L		1.00E-05	6.00E-06												ND								ND			
Heptachlor epoxide	mg/L		6.60E-06	ND												ND								ND			
Isodrin	mg/L			ND												1.66E-05								ND			
alpha-BHC	mg/L		1.00E-05	4.30E-06												ND								ND			
delta-BHC	mg/L		4.40E-04	ND												ND								ND			
EXPLOSIVES																											
Nitroglycerine	mg/L			ND				ND				ND				1.89E-03								ND			
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND				ND				ND				ND								ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	4.51E+01		YES	YES									7.75E-01				1.52E-01				1.31E+01		YES	YES
Barium	mg/L	1.27E-01	1.10E-01	1.73E-01		YES	YES									1.20E-02				9.57E-03				8.09E-02			
Beryllium	mg/L	1.24E-03	3.12E-03	5.43E-03		YES	YES									ND				ND				1.92E-03		YES	
Calcium	mg/L	5.65E+01		1.58E+00												1.90E-01				1.78E-01				7.28E-01			
Chromium	mg/L		4.69E-03	7.01E-02			YES									ND				ND				2.42E-02			YES
Cobalt	mg/L	2.34E-02	9.39E-02	3.35E-02		YES										ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	7.21E-02		YES	YES									ND				ND				2.81E-02		YES	
Iron	mg/L	7.04E+00	4.69E-01	8.45E+01		YES	YES									9.97E-01			YES	ND				3.22E+01		YES	YES
Lead	mg/L	7.99E-03	1.50E-02	7.92E-02		YES	YES									ND				ND							
Magnesium	mg/L	2.13E+01		2.25E+01		YES										1.58E+00				1.46E+00				8.00E+00			
Manganese	mg/L	5.81E-01	7.35E-02	1.90E+00		YES	YES									1.57E-02				ND				6.88E-01		YES	YES
Nickel	mg/L		3.13E-02	9.09E-02			YES									ND				ND				3.46E-02			YES
Potassium	mg/L	7.20E+00		1.63E+01		YES										1.64E+00				ND				6.50E+00			
Sodium	mg/L	1.48E+01		1.21E+00												1.14E+00				1.01E+00				1.11E+00			
Vanadium	mg/L	1.70E-02	1.10E-02	8.47E-02		YES	YES									ND				ND				3.37E-02		YES	YES
Zinc	mg/L	2.20E-01	4.69E-01	2.60E-01		YES										ND				ND				1.07E-01	J		
SEMIVOLATILE ORGANIC COMPOUNDS																											
Benzo(a)anthracene	mg/L		2.00E-05	ND				ND				ND				ND								ND			
Benzo(b)fluoranthene	mg/L		1.00E-05	ND				ND				ND				ND								ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				ND				ND				ND								ND			
Di-n-butyl phthalate	mg/L		1.48E-01	ND												ND								ND			
Dibenz(a,h)anthracene	mg/L		0.00E+00	ND				ND				ND				ND								ND			
Indeno(1,2,3-cd)pyrene	mg/L		1.00E-05	ND				ND				ND				ND								ND			
Pentachlorophenol	mg/L		2.60E-04	2.94E-03			YES									ND								ND			
VOLATILE ORGANIC COMPOUNDS																											
Carbon disulfide	mg/L		1.51E-01	ND												ND								ND			
Trichloroethene	mg/L		4.50E-03	ND												ND								ND			

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G15				OLF-G17				OLF-G17				OLF-G17				OLF-G17				OLF-G17			
			Sample Number	A-0029				UB05353				UB05354				UC00446				UC01987				A-0031			
			Sample Date	13-Feb-98				25-Jul-94				25-Jul-94				6-Feb-95				29-Jun-95				14-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
Aroclor 1248	mg/L		1.00E-05	ND				ND				ND				ND				ND				ND			
Endosulfan I	mg/L		9.35E-03	ND				4.50E-06	N			ND				ND				ND				ND			
Heptachlor	mg/L		1.00E-05	ND				ND				8.70E-06	N			ND				ND				ND			
Heptachlor epoxide	mg/L		6.60E-06	ND				ND				ND				ND				ND				ND			
Isodrin	mg/L			NR				3.50E-06				6.30E-06				1.00E-05				ND				NR			
alpha-BHC	mg/L		1.00E-05	ND				3.60E-06				ND				ND				ND				ND			
delta-BHC	mg/L		4.40E-04	ND				ND				ND				ND				ND				ND			
EXPLOSIVES																											
Nitroglycerine	mg/L			NR				ND				ND				ND				ND				NR			
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND				ND				ND				2.76E-04				ND				ND			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	2.69E+00	J	YES	YES	1.48E+00				9.79E-01				3.95E+00		YES	YES	1.72E+00			YES	7.43E-01	J		
Barium	mg/L	1.27E-01	1.10E-01	ND				1.42E-02				1.02E-02				3.66E-02				2.71E-02				ND			
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND				ND				1.13E-03				ND				ND			
Calcium	mg/L	5.65E+01		ND				1.70E+01				1.33E+01				1.42E+01				1.40E+01				7.09E+00			
Chromium	mg/L		4.69E-03	ND				ND				ND				ND				ND				ND			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				ND				ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.59E+00			YES	3.32E+00			YES	2.22E+00			YES	1.30E+01		YES	YES	6.31E+00			YES	1.85E+00			YES
Lead	mg/L	7.99E-03	1.50E-02	8.60E-03		YES		ND				ND				5.40E-03								ND			
Magnesium	mg/L	2.13E+01		ND				1.18E+01				9.23E+00				1.22E+01				1.09E+01				6.45E+00			
Manganese	mg/L	5.81E-01	7.35E-02	3.31E-02				3.24E-01			YES	2.40E-01			YES	8.87E-01		YES	YES	4.72E-01			YES	1.22E-01			YES
Nickel	mg/L		3.13E-02	ND				ND				ND				ND				ND				ND			
Potassium	mg/L	7.20E+00		ND				5.70E+00				4.37E+00				6.55E+00				5.01E+00				ND			
Sodium	mg/L	1.48E+01		ND				4.44E+00				3.49E+00				3.91E+00				4.35E+00				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND				ND				ND				ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	1.69E-01	J			2.12E-02				ND				4.30E-02				3.81E-02	J			1.56E-01	J		
SEMIVOLATILE ORGANIC COMPOUNDS																											
Benzo(a)anthracene	mg/L		2.00E-05	ND				ND				ND				ND				ND				ND			
Benzo(b)fluoranthene	mg/L		1.00E-05	ND				ND				ND				ND				ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				ND				ND				ND				2.07E-04			YES	ND			
Di-n-butyl phthalate	mg/L		1.48E-01	5.20E-03	J			ND				ND				ND				ND				4.10E-03	J		
Dibenz(a,h)anthracene	mg/L		0.00E+00	ND				ND				ND				ND				ND				ND			
Indeno(1,2,3-cd)pyrene	mg/L		1.00E-05	ND				ND				ND				ND				ND				ND			
Pentachlorophenol	mg/L		2.60E-04	ND				ND				ND				ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS																											
Carbon disulfide	mg/L		1.51E-01	5.40E-04	J			ND				ND				ND				ND				3.60E-04	J		
Trichloroethene	mg/L		4.50E-03	ND				ND				ND				ND				ND				ND			

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80			
			Sample Location	OLF-G18				OLF-G18				OLF-G18			
			Sample Number	UC00951				UC01990				A-0032			
			Sample Date	27-Apr-95				28-Jun-95				15-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES															
Aroclor 1248	mg/L		1.00E-05	6.15E-04			YES	ND				ND			
Endosulfan I	mg/L		9.35E-03	ND				ND				ND			
Heptachlor	mg/L		1.00E-05	3.35E-05			YES	ND				ND			
Heptachlor epoxide	mg/L		6.60E-06	1.70E-05			YES	ND				ND			
Isodrin	mg/L			ND				ND				NR			
alpha-BHC	mg/L		1.00E-05	ND				ND				ND			
delta-BHC	mg/L		4.40E-04	3.60E-06				ND				ND			
EXPLOSIVES															
Nitroglycerine	mg/L			ND				ND				NR			
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND				ND				ND			
METALS															
Aluminum	mg/L	2.34E+00	1.56E+00					2.65E-01				5.54E-01	J		
Barium	mg/L	1.27E-01	1.10E-01					1.45E-02				ND			
Beryllium	mg/L	1.24E-03	3.12E-03					ND				ND			
Calcium	mg/L	5.65E+01						5.97E+00				ND			
Chromium	mg/L		4.69E-03					ND				ND			
Cobalt	mg/L	2.34E-02	9.39E-02					ND				ND			
Copper	mg/L	2.55E-02	6.26E-02					ND				ND			
Iron	mg/L	7.04E+00	4.69E-01					4.20E-01				8.64E-01			YES
Lead	mg/L	7.99E-03	1.50E-02	ND								ND			
Magnesium	mg/L	2.13E+01						7.99E-01				ND			
Manganese	mg/L	5.81E-01	7.35E-02					7.70E-02			YES	5.63E-02			
Nickel	mg/L		3.13E-02					ND				ND			
Potassium	mg/L	7.20E+00						5.48E+00				ND			
Sodium	mg/L	1.48E+01						9.11E+00				8.25E+00			
Vanadium	mg/L	1.70E-02	1.10E-02					ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01					2.06E-02	J			8.27E-02	J		
SEMIVOLATILE ORGANIC COMPOUNDS															
Benzo(a)anthracene	mg/L		2.00E-05	1.05E-04			YES	6.13E-05			YES	ND			
Benzo(b)fluoranthene	mg/L		1.00E-05	1.95E-04			YES	ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				1.40E-04				ND			
Di-n-butyl phthalate	mg/L		1.48E-01	ND				ND				2.50E-03	J		
Dibenz(a,h)anthracene	mg/L		0.00E+00	ND				9.61E-05			YES	ND			
Indeno(1,2,3-cd)pyrene	mg/L		1.00E-05	ND				3.87E-05			YES	ND			
Pentachlorophenol	mg/L		2.60E-04	ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS															
Carbon disulfide	mg/L		1.51E-01	ND				ND				ND			
Trichloroethene	mg/L		4.50E-03	ND				1.00E-03				1.70E-04	J		

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	MW-1				MW-1				MW-1				MW-1				MW-1			
			Sample Number	UB06048				UC00440				UC00441				UC02028				UC02038			
			Sample Date	23-Oct-94				5-Feb-95				5-Feb-95				30-Jun-95				30-Jun-95			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																							
Aldrin	mg/L		3.90E-06	ND				ND								ND							
gamma-BHC (Lindane)	mg/L		5.00E-05	ND				ND								2.90E-06	N						
Isodrin	mg/L			5.40E-06				1.09E-05								2.99E-05							
EXPLOSIVES																							
1,3,5-Trinitrobenzene	mg/L		4.69E-02	5.34E-04				3.15E-04								ND							
METALS																							
Aluminum	mg/L	2.34E+00	1.56E+00	6.03E+01		YES	YES	6.04E+01		YES	YES	ND											
Barium	mg/L	1.27E-01	1.10E-01	2.84E-01		YES	YES	2.12E-01		YES	YES	3.71E-02											
Beryllium	mg/L	1.24E-03	3.12E-03	1.01E-02		YES	YES	6.07E-03		YES	YES	ND											
Calcium	mg/L	5.65E+01		1.01E+01	I			7.32E+00				3.87E+00											
Chromium	mg/L		4.69E-03	1.15E-01			YES	8.84E-02			YES	ND											
Cobalt	mg/L	2.34E-02	9.39E-02	1.51E-01		YES	YES	1.09E-01	I	YES	YES	4.63E-02	I	YES									
Copper	mg/L	2.55E-02	6.26E-02	3.11E-01		YES	YES	1.96E-01		YES	YES	ND											
Iron	mg/L	7.04E+00	4.69E-01	1.52E+02		YES	YES	1.12E+02		YES	YES	1.48E+01		YES	YES								
Lead	mg/L	7.99E-03	1.50E-02	3.92E-02		YES	YES	9.79E-02		YES	YES	ND											
Magnesium	mg/L	2.13E+01		2.56E+01		YES		2.37E+01		YES		2.18E+00											
Manganese	mg/L	5.81E-01	7.35E-02	7.43E+00		YES	YES	5.64E+00		YES	YES	3.17E+00		YES	YES								
Mercury	mg/L		4.60E-04	1.02E-04				ND				ND				ND				ND			
Nickel	mg/L		3.13E-02	1.67E-01			YES	1.40E-01			YES	ND											
Potassium	mg/L	7.20E+00		2.47E+01		YES		2.81E+01		YES		2.84E+00											
Sodium	mg/L	1.48E+01		1.11E+01				1.09E+01				1.07E+01											
Thallium	mg/L	1.45E-03	1.00E-04	1.30E-02		YES	YES	2.54E-03		YES	YES	ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	1.23E-01		YES	YES	1.03E-01		YES	YES	ND											
Zinc	mg/L	2.20E-01	4.69E-01	3.59E-01		YES		2.71E-01		YES		8.81E-02											
SEMIVOLATILE ORGANIC COMPOUNDS																							
Benzo(a)anthracene	mg/L		2.00E-05	ND				ND								ND							
Benzo(a)pyrene	mg/L		1.80E-06	ND				ND								4.05E-05			YES				
Benzo(b)fluoranthene	mg/L		1.00E-05	ND				ND								ND							
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				ND								ND							
Chrysene	mg/L		3.40E-03	ND				ND								ND							
Di-n-butyl phthalate	mg/L		1.48E-01	ND				ND															
Dibenz(a,h)anthracene	mg/L		1.40E-06	ND				ND								ND							
Pentachlorophenol	mg/L		2.60E-04	ND				ND								ND							
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND				ND															
VOLATILE ORGANIC COMPOUNDS																							
1,1,1-Trichloroethane	mg/L		3.05E-01	2.40E-03				ND								ND							
Benzene	mg/L		1.40E-03	2.10E-03			YES	ND								ND							
Carbon disulfide	mg/L		1.51E-01	ND				ND								ND							
Methylene chloride	mg/L		7.85E-03	ND				ND								ND							

Table A3-5
Detected Compounds in Groundwater Samples
Landfill 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G19				OLF-G19				OLF-G19				OLF-G19			
			Sample Number	UC01045				UC01046				UC01991				A-0033			
			Sample Date	30-Apr-95				30-Apr-95				29-Jun-95				15-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																			
Aldrin	mg/L		3.90E-06	2.39E-05			YES	1.71E-05			YES	ND				ND			
gamma-BHC (Lindane)	mg/L		5.00E-05	ND				ND				ND				ND			
Isodrin	mg/L			5.20E-06				4.90E-06				ND				NR			
EXPLOSIVES																			
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND				ND				ND				ND			
METALS																			
Aluminum	mg/L	2.34E+00	1.56E+00	3.39E-01				4.89E-01				3.84E-01				5.96E-01	J		
Barium	mg/L	1.27E-01	1.10E-01	5.44E-02				5.71E-02				5.02E-02				ND			
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND				ND				ND			
Calcium	mg/L	5.65E+01		7.76E+00				7.87E+00				7.91E+00				ND			
Chromium	mg/L		4.69E-03	ND				ND				ND				ND			
Cobalt	mg/L	2.34E-02	9.39E-02	3.15E-02		YES		2.93E-02		YES		2.55E-02		YES		ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.18E+00			YES	2.66E+00			YES	5.24E+00			YES	5.99E+00			YES
Lead	mg/L	7.99E-03	1.50E-02	ND				ND								ND			
Magnesium	mg/L	2.13E+01		4.45E+00				4.60E+00				3.90E+00				ND			
Manganese	mg/L	5.81E-01	7.35E-02	1.70E+00		YES	YES	1.77E+00		YES	YES	1.46E+00		YES	YES	2.29E-01			YES
Mercury	mg/L		4.60E-04	ND				ND								ND			
Nickel	mg/L		3.13E-02	ND				ND				ND				ND			
Potassium	mg/L	7.20E+00		6.96E+00				6.97E+00				6.12E+00				ND			
Sodium	mg/L	1.48E+01		6.00E+00				5.88E+00				5.05E+00				ND			
Thallium	mg/L	1.45E-03	1.00E-04	ND				ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND				ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	9.30E-02	I			2.22E-02	I			2.49E-02	M			1.03E-01	J		
SEMIVOLATILE ORGANIC COMPOUNDS																			
Benzo(a)anthracene	mg/L		2.00E-05	ND				ND				5.68E-05			YES	ND			
Benzo(a)pyrene	mg/L		1.80E-06	ND				ND				ND				ND			
Benzo(b)fluoranthene	mg/L		1.00E-05	3.99E-04			YES	2.99E-04			YES	ND				ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				ND				8.87E-05				ND			
Chrysene	mg/L		3.40E-03	4.29E-05				4.27E-05				ND				ND			
Di-n-butyl phthalate	mg/L		1.48E-01	ND				ND				ND				6.00E-03	J		
Dibenz(a,h)anthracene	mg/L		1.40E-06	ND				5.09E-05			YES	ND				ND			
Pentachlorophenol	mg/L		2.60E-04	ND				ND				5.28E-02			YES	ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	1.90E-02			YES	2.80E-02			YES	ND				ND			
VOLATILE ORGANIC COMPOUNDS																			
1,1,1-Trichloroethane	mg/L		3.05E-01	ND				ND				ND				ND			
Benzene	mg/L		1.40E-03	ND				ND				ND				ND			
Carbon disulfide	mg/L		1.51E-01	ND				ND				ND				1.10E-03			
Methylene chloride	mg/L		7.85E-03	ND				ND				ND				2.60E-04	B		

Table A3-6
Detected Compounds in Fill Material Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G09				OLF-G09				OLF-G09				OLF-G09				OLF-G09				OLF-G09			
			Sample Number	UMY038				UON020				UOP009				UOQ010				UOO010				UB04942			
			Sample Date	7-Jun-92				7-Jun-92				7-Jun-92				7-Jun-92				8-Jun-92				17-Jul-94			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																											
4,4'-DDE	mg/L		1.30E-04									ND				6.60E-06								ND			
Heptachlor	mg/L		1.00E-05									ND				ND								ND			
alpha-BHC	mg/L		1.00E-05									ND				ND								9.90E-06			
delta-BHC	mg/L		4.40E-04									ND				ND								ND			
gamma-BHC (Lindane)	mg/L		5.00E-05									ND				9.50E-06								ND			
Isodrin	mg/L											ND				1.11E-05								5.50E-06			
EXPLOSIVES																											
1,3,5-Trinitrobenzene	mg/L		4.69E-02					ND																1.13E-03			
METALS																											
Aluminum	mg/L	2.34E+00	1.56E+00	3.18E-01																				1.90E+00			YES
Barium	mg/L	1.27E-01	1.10E-01	9.80E-03																				1.20E-02			
Beryllium	mg/L	1.24E-03	3.12E-03	ND																				ND			
Cadmium	mg/L	2.51E-03	7.80E-04	ND																				ND			
Calcium	mg/L	5.65E+01		5.64E-01																				3.05E-01			
Chromium	mg/L		4.69E-03	ND																				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND																				ND			
Iron	mg/L	7.04E+00	4.69E-01	8.49E-01			YES																	3.83E+00			YES
Lead	mg/L	7.99E-03	1.50E-02	ND																				ND			
Magnesium	mg/L	2.13E+01		8.23E-01																				1.48E+00			
Manganese	mg/L	5.81E-01	7.35E-02	1.23E-02																				1.69E-02			
Potassium	mg/L	7.20E+00		2.54E+00																				2.67E+00			
Sodium	mg/L	1.48E+01		1.01E+00																				1.31E+00			
Vanadium	mg/L	1.70E-02	1.10E-02	ND																				ND			
Zinc	mg/L	2.20E-01	4.69E-01	1.96E-02																				ND			
SEMIVOLATILE ORGANIC COMPOUNDS																											
2,4-Dinitrotoluene	mg/L		9.00E-05					ND				ND												ND			
Benzo(k)fluoranthene	mg/L		1.90E-04									ND												ND			
Di-n-butyl phthalate	mg/L		1.48E-01									ND												ND			
Pentachlorophenol	mg/L		2.60E-04									ND												1.32E-03			YES
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03									ND												ND			
VOLATILE ORGANIC COMPOUNDS																											
Carbon disulfide	mg/L		1.51E-01																	ND				ND			
Toluene	mg/L		2.59E-01																	ND				ND			
Vinyl chloride	mg/L		3.00E-05																	ND				ND			

Table A3-6
Detected Compounds in Fill Material Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 2 of 4)

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G09				OLF-G09				OLF-G09				OLF-G09				OLF-G10			
			Sample Number	UC00387				UC01973				UC02489				A-0024				UPB028			
			Sample Date	2-Feb-95				28-Jun-95				1-Aug-95				12-Feb-98				11-Jun-92			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																							
4,4'-DDE	mg/L		1.30E-04	ND				ND								ND							
Heptachlor	mg/L		1.00E-05	ND				ND								ND							
alpha-BHC	mg/L		1.00E-05	ND				ND								ND							
delta-BHC	mg/L		4.40E-04	ND				ND								ND							
gamma-BHC (Lindane)	mg/L		5.00E-05	ND				ND								ND							
Isodrin	mg/L			ND				ND								NR							
EXPLOSIVES																							
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND				ND								ND							
METALS																							
Aluminum	mg/L	2.34E+00	1.56E+00	4.87E-01				4.73E-01								ND				2.36E+01		YES	YES
Barium	mg/L	1.27E-01	1.10E-01	1.17E-02				1.30E-02								ND				1.22E-01			YES
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND								ND				ND			
Cadmium	mg/L	2.51E-03	7.80E-04	ND												ND				ND			
Calcium	mg/L	5.65E+01		2.44E-01				3.48E-01								ND				4.95E+00			
Chromium	mg/L		4.69E-03	ND				ND								ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND								ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	9.43E-01			YES	9.39E-01			YES					ND				1.83E+01		YES	YES
Lead	mg/L	7.99E-03	1.50E-02	2.34E-02		YES	YES									ND				ND			
Magnesium	mg/L	2.13E+01		8.99E-01				8.70E-01								ND				8.26E+00			
Manganese	mg/L	5.81E-01	7.35E-02	ND				ND								ND				3.54E-01			YES
Potassium	mg/L	7.20E+00		2.25E+00				2.17E+00								ND				7.28E+00		YES	
Sodium	mg/L	1.48E+01		1.18E+00				9.85E-01								ND				1.00E+01			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND								ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	ND				ND								ND				9.35E-02			
SEMIVOLATILE ORGANIC COMPOUNDS																							
2,4-Dinitrotoluene	mg/L		9.00E-05	ND				ND								ND							
Benzo(k)fluoranthene	mg/L		1.90E-04	ND				5.20E-05								ND							
Di-n-butyl phthalate	mg/L		1.48E-01	ND				ND								1.90E-03	J						
Pentachlorophenol	mg/L		2.60E-04	ND				ND								ND							
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND				ND								2.60E-03	J						
VOLATILE ORGANIC COMPOUNDS																							
Carbon disulfide	mg/L		1.51E-01	ND												ND							
Toluene	mg/L		2.59E-01	ND												1.80E-04	B						
Vinyl chloride	mg/L		3.00E-05	ND				ND				ND				ND							

Table A3-6
Detected Compounds in Fill Material Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 3 of 4)

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G10				OLF-G10				OLF-G10				OLF-G10				OLF-G10			
			Sample Number	UPR009				UPS010				UQU004				UQV007				UB04878			
			Sample Date	11-Jun-92				11-Jun-92				11-Jun-92				11-Jun-92				14-Jul-94			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																							
4,4'-DDE	mg/L		1.30E-04	ND				ND												ND			
Heptachlor	mg/L		1.00E-05	ND				ND												6.30E-06			
alpha-BHC	mg/L		1.00E-05	ND				ND												2.03E-05			YES
delta-BHC	mg/L		4.40E-04	ND				ND												ND			
gamma-BHC (Lindane)	mg/L		5.00E-05	ND				ND												ND			
Isodrin	mg/L			ND				6.00E-06												ND			
EXPLOSIVES																							
1,3,5-Trinitrobenzene	mg/L		4.69E-02													1.91E-03				ND			
METALS																							
Aluminum	mg/L	2.34E+00	1.56E+00																	2.87E+01		YES	YES
Barium	mg/L	1.27E-01	1.10E-01																	1.36E-01		YES	YES
Beryllium	mg/L	1.24E-03	3.12E-03																	2.64E-03		YES	
Cadmium	mg/L	2.51E-03	7.80E-04																	ND			
Calcium	mg/L	5.65E+01																		5.47E+00			
Chromium	mg/L		4.69E-03																	2.75E-02			YES
Copper	mg/L	2.55E-02	6.26E-02																	2.54E-02			
Iron	mg/L	7.04E+00	4.69E-01																	2.98E+01		YES	YES
Lead	mg/L	7.99E-03	1.50E-02																	2.04E-02		YES	YES
Magnesium	mg/L	2.13E+01																		1.18E+01			
Manganese	mg/L	5.81E-01	7.35E-02																	4.36E-01			YES
Potassium	mg/L	7.20E+00																		1.06E+01		YES	
Sodium	mg/L	1.48E+01																		1.21E+01			
Vanadium	mg/L	1.70E-02	1.10E-02																	3.16E-02		YES	YES
Zinc	mg/L	2.20E-01	4.69E-01																	9.71E-02			
SEMIVOLATILE ORGANIC COMPOUNDS																							
2,4-Dinitrotoluene	mg/L		9.00E-05	ND												9.15E-04			YES	ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	ND																ND			
Di-n-butyl phthalate	mg/L		1.48E-01	ND																ND			
Pentachlorophenol	mg/L		2.60E-04	ND																ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND																ND			
VOLATILE ORGANIC COMPOUNDS																							
Carbon disulfide	mg/L		1.51E-01									ND								ND			
Toluene	mg/L		2.59E-01									ND								ND			
Vinyl chloride	mg/L		3.00E-05									ND								ND			

Table A3-6
Detected Compounds in Fill Material Samples
Landfill No. 3, Parcel 80(6)
Fort McClellan, Calhoun County, Alabama
(Page 4 of 4)

			Parcel	FA-80				FA-80				FA-80				FA-80				FA-80			
			Sample Location	OLF-G10				OLF-G10				OLF-G10				OLF-G10				OLF-G10			
			Sample Number	UC00433				UC00434				UC01984				UC02019				A-0025			
			Sample Date	5-Feb-95				5-Feb-95				29-Jun-95				29-Jun-95				16-Feb-98			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																							
4,4'-DDE	mg/L		1.30E-04	ND								ND								ND			
Heptachlor	mg/L		1.00E-05	ND								ND								ND			
alpha-BHC	mg/L		1.00E-05	ND								ND								ND			
delta-BHC	mg/L		4.40E-04	4.30E-06								ND								ND			
gamma-BHC (Lindane)	mg/L		5.00E-05	ND								ND								ND			
Isodrin	mg/L			9.50E-06								ND								NR			
EXPLOSIVES																							
1,3,5-Trinitrobenzene	mg/L		4.69E-02	ND								ND								ND			
METALS																							
Aluminum	mg/L	2.34E+00	1.56E+00	8.12E+00		YES	YES	ND				1.74E+00			YES	ND				4.50E+00	J	YES	YES
Barium	mg/L	1.27E-01	1.10E-01	6.84E-02				2.87E-03				1.92E-02				ND				ND			
Beryllium	mg/L	1.24E-03	3.12E-03	1.23E-03				ND				ND				ND				ND			
Cadmium	mg/L	2.51E-03	7.80E-04	7.18E-03		YES	YES	ND				ND				ND				ND			
Calcium	mg/L	5.65E+01		2.10E+00				6.73E-01				1.12E+00				6.01E-01				7.47E+00			
Chromium	mg/L		4.69E-03	ND				ND				ND				ND				1.32E-02			YES
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	1.35E+01		YES	YES	ND				2.91E+00			YES	ND				7.31E+00		YES	YES
Lead	mg/L	7.99E-03	1.50E-02	8.43E-03		YES		ND												6.00E-03	B		
Magnesium	mg/L	2.13E+01		4.52E+00				7.69E-01				1.50E+00				6.25E-01				ND			
Manganese	mg/L	5.81E-01	7.35E-02	2.27E-01			YES	2.16E-02				5.16E-02				1.71E-02				1.20E-01			YES
Potassium	mg/L	7.20E+00		5.70E+00				2.13E+00				3.02E+00				2.55E+00				5.39E+00			
Sodium	mg/L	1.48E+01		1.18E+01				1.10E+01				9.09E+00				9.84E+00				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND				ND				ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	4.62E-02				2.31E-02				3.47E-02	J			9.49E-02	J			2.00E-01	J		
SEMIVOLATILE ORGANIC COMPOUNDS																							
2,4-Dinitrotoluene	mg/L		9.00E-05	ND								ND								ND			
Benzo(k)fluoranthene	mg/L		1.90E-04	ND								ND								ND			
Di-n-butyl phthalate	mg/L		1.48E-01	ND								ND								3.90E-03	J		
Pentachlorophenol	mg/L		2.60E-04	ND								ND								ND			
bis(2-Ethylhexyl)phthalate	mg/L		4.30E-03	ND								ND								ND			
VOLATILE ORGANIC COMPOUNDS																							
Carbon disulfide	mg/L		1.51E-01	ND								ND								1.90E-03			
Toluene	mg/L		2.59E-01	ND								ND								ND			
Vinyl chloride	mg/L		3.00E-05	ND								4.08E-03			YES					ND			

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama
(Page 1 of 17)

Parcel				HILF-81				HILF-81				HILF-81				HILF-81			
Sample Location				LF4-MW1				LF4-MW1				LF4-MW1				LF4-MW1			
Sample Number				MW1-394				MW1-494				MW1-594				MW1-694			
Sample Date				30-Mar-94				27-Apr-94				24-May-94				30-Jun-94			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04	NA															
Arsenic	mg/L	1.78E-02	4.00E-05	ND				ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	1.60E-01	nv	YES	YES	1.50E-01	nv	YES	YES	1.20E-01	nv		YES	1.00E-01	nv		
Beryllium	mg/L	1.24E-03	3.12E-03	NA															
Cadmium	mg/L	2.51E-03	7.80E-04	ND				ND				ND				ND			
Chromium	mg/L	NA	4.69E-03	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.13E+01	nv	YES	YES	1.95E+01	nv	YES	YES	1.73E+01	nv	YES	YES	1.73E+01	nv	YES	YES
Lead	mg/L	7.99E-03	1.50E-02	2.60E-02	nv	YES	YES	1.10E-02	nv	YES		ND				ND			
Manganese	mg/L	5.81E-01	7.35E-02	5.16E+00	nv	YES	YES	2.65E+00	nv	YES	YES	3.44E+00	nv	YES	YES	3.59E+00	nv	YES	YES
Mercury	mg/L	NA	4.60E-04	ND				ND				ND				ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.71E+01	nv	YES		2.12E+01	nv	YES		1.98E+01	nv	YES		2.84E+01	nv	YES	
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				ND				ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	2.60E+01	nv			ND				1.28E+02	nv			6.90E+01	nv		
Chloride	mg/L	NA	NA	1.92E+01	nv			1.21E+01	nv			2.17E+01	nv			2.00E+01	nv		
Nitrite, Nitrate	mg/L	NA	NA	ND				4.00E-02	nv			ND				ND			
Sulfate	mg/L	NA	NA	5.15E+00	nv			4.08E+00	nv			3.03E+00	nv			2.39E+00	nv		
Total Organic Carbon	mg/L	NA	NA	5.40E+01	nv			7.60E+01	nv			7.30E+01	nv			8.30E+01	nv		

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama
(Page 2 of 17)

Parcel Sample Location Sample Number Sample Date				HILF-81 LF4-MW1 MW1-994 12-Sep-94				HILF-81 LF4-MW1 MW1-395 14-Mar-95				HILF-81 LF4-MW1 MW1-995 28-Sep-95				HILF-81 LF4-MW1 MW1-396 26-Mar-96			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04																
Arsenic	mg/L	1.78E-02	4.00E-05	2.00E-02	nv	YES	YES	ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	1.00E-01	nv			1.50E-01	nv	YES	YES	ND				5.00E-02	nv		
Beryllium	mg/L	1.24E-03	3.12E-03																
Cadmium	mg/L	2.51E-03	7.80E-04	ND				ND				ND				ND			
Chromium	mg/L	NA	4.69E-03	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	1.75E+01	nv	YES	YES	1.47E+01	nv	YES	YES	5.92E+00	nv		YES	6.37E+00	nv		YES
Lead	mg/L	7.99E-03	1.50E-02	8.00E-03	nv	YES		1.10E-02	nv	YES		ND				9.00E-03	nv	YES	
Manganese	mg/L	5.81E-01	7.35E-02	4.12E+00	nv	YES	YES	3.50E+00	nv	YES	YES	2.43E+00	nv	YES	YES	2.08E+00	nv	YES	YES
Mercury	mg/L	NA	4.60E-04	ND				ND				ND				ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.44E+01	nv			1.41E+01	nv			1.02E-02	nv			1.01E+01	nv		
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				ND				ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	1.40E+01	nv			2.60E+01	nv			1.70E+01	nv			8.70E+01	nv		
Chloride	mg/L	NA	NA	1.95E+01	nv			2.07E+01	nv			1.78E+01	nv			1.56E+01	nv		
Nitrite, Nitrate	mg/L	NA	NA	ND				ND				ND				ND			
Sulfate	mg/L	NA	NA	1.14E+00	nv			2.53E+00	nv			1.60E+00	nv			3.05E+00	nv		
Total Organic Carbon	mg/L	NA	NA	6.00E+00	nv			6.80E+01	nv			2.00E+00	nv			5.00E+00	nv		

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama
(Page 3 of 17)

Parcel				HILF-81				HILF-81				HILF-81				HILF-81			
Sample Location				LF4-MW1				LF4-MW1				LF4-MW1				LF4-MW1			
Sample Number				MW1-996				MW1-397				MW1-1097				MW1-398			
Sample Date				10-Sep-96				27-Mar-97				2-Oct-97				23-Mar-98			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04																
Arsenic	mg/L	1.78E-02	4.00E-05	ND				ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	2.60E-01	nv	YES	YES	ND				ND				ND			
Beryllium	mg/L	1.24E-03	3.12E-03																
Cadmium	mg/L	2.51E-03	7.80E-04	1.00E-03	nv		YES	3.97E-03	nv	YES	YES	1.80E-04	nv			6.76E-02	nv	YES	YES
Chromium	mg/L	NA	4.69E-03	6.00E-02	nv		YES	ND				1.55E-03	nv			3.00E-03	nv		
Iron	mg/L	7.04E+00	4.69E-01	8.31E+01	nv	YES	YES	7.20E-01	nv		YES	1.13E+01	nv	YES	YES	2.18E+00	nv		YES
Lead	mg/L	7.99E-03	1.50E-02	1.42E-01	nv	YES	YES	7.78E-03	nv			5.10E-03	nv			2.43E-02	nv	YES	YES
Manganese	mg/L	5.81E-01	7.35E-02	5.28E+00	nv	YES	YES	6.10E-01	nv	YES	YES	1.27E+00	nv	YES	YES	5.60E-01	nv		YES
Mercury	mg/L	NA	4.60E-04	ND				ND				ND				ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.02E+01	nv			5.75E+00	nv			6.50E+00	nv			3.10E+00	nv		
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				ND				ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	5.20E+01	nv			2.33E+01	nv			4.17E+01	nv			6.00E+01	nv		
Chloride	mg/L	NA	NA	1.73E+01	nv			1.51E+01	nv			1.17E+01	nv			9.97E+00	nv		
Nitrite, Nitrate	mg/L	NA	NA	ND				ND				ND				ND			
Sulfate	mg/L	NA	NA	2.59E+00	nv			8.31E+00	nv			2.85E+00	nv			1.93E+01	nv		
Total Organic Carbon	mg/L	NA	NA	3.00E+00	nv			6.69E+01	nv			4.70E+00	nv			4.86E+00	nv		

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama
(Page 4 of 17)

Parcel				HILF-81				HILF-81				HILF-81				HILF-81			
Sample Location				LF4-MW1				LF4-MW2				LF4-MW2				LF4-MW2			
Sample Number				MW1-998				MW2-394				MW2-494				MW2-594			
Sample Date				28-Sep-98				30-Mar-94				27-Apr-94				24-May-94			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04	ND															
Arsenic	mg/L	1.78E-02	4.00E-05	ND				2.30E-02	nv	YES	YES	1.50E-02	nv		YES	1.30E-05	nv		
Barium	mg/L	1.27E-01	1.10E-01	ND				4.30E-01	nv	YES	YES	4.00E-01	nv	YES	YES	7.30E-01	nv	YES	YES
Beryllium	mg/L	1.24E-03	3.12E-03	ND															
Cadmium	mg/L	2.51E-03	7.80E-04	6.00E-03	nv	YES	YES	ND				ND				ND			
Chromium	mg/L	NA	4.69E-03	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.87E+00	nv		YES	8.02E+01	nv	YES	YES	6.21E+01	nv	YES	YES	6.44E+01	nv	YES	YES
Lead	mg/L	7.99E-03	1.50E-02	4.30E-03	nv			2.30E-02	nv	YES	YES	6.70E-02	nv	YES	YES	1.65E-01	nv	YES	YES
Manganese	mg/L	5.81E-01	7.35E-02	1.45E+00	nv	YES	YES	8.80E-01	nv	YES	YES	8.00E-01	nv	YES	YES	8.00E-01	nv	YES	YES
Mercury	mg/L	NA	4.60E-04	ND				ND				ND				ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.29E+01	nv			1.53E+01	nv	YES		2.01E+01	nv	YES		7.47E+01	nv	YES	
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				ND				ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	2.78E+01	nv			ND				ND				2.70E+01	nv		
Chloride	mg/L	NA	NA	2.72E+01	nv			7.87E+00	nv			6.37E+00	nv			8.04E+00	nv		
Nitrite, Nitrate	mg/L	NA	NA	ND				ND				ND				ND			
Sulfate	mg/L	NA	NA	4.27E+00	nv			8.37E+00	nv			1.58E+01	nv			9.92E+00	nv		
Total Organic Carbon	mg/L	NA	NA	4.31E+00	nv			5.80E+01	nv			4.00E+01	nv			7.40E+01	nv		

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama
(Page 5 of 17)

Parcel				HILF-81				HILF-81				HILF-81				HILF-81			
Sample Location				LF4-MW2				LF4-MW2				LF4-MW2				LF4-MW2			
Sample Number				MW2-694				MW2-994				MW2-395				MW2-995			
Sample Date				30-Jun-94				12-Sep-94				14-Mar-95				28-Sep-95			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04																
Arsenic	mg/L	1.78E-02	4.00E-05	1.50E-02	nv		YES	ND				2.40E-02	nv	YES	YES	ND			
Barium	mg/L	1.27E-01	1.10E-01	5.40E-01	nv	YES	YES	7.40E-01	nv	YES	YES	4.40E-01	nv	YES	YES	1.10E-01	nv		YES
Beryllium	mg/L	1.24E-03	3.12E-03																
Cadmium	mg/L	2.51E-03	7.80E-04	ND				ND				ND				ND			
Chromium	mg/L	NA	4.69E-03	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	6.94E+01	nv	YES	YES	6.95E+01	nv	YES	YES	5.48E+01	nv	YES	YES	4.12E+00	nv		YES
Lead	mg/L	7.99E-03	1.50E-02	6.70E-02	nv	YES	YES	2.05E-01	nv	YES	YES	8.50E-02	nv	YES	YES	ND			
Manganese	mg/L	5.81E-01	7.35E-02	9.00E-01	nv	YES	YES	9.10E-01	nv	YES	YES	9.22E-01	nv	YES	YES	1.06E+00	nv	YES	YES
Mercury	mg/L	NA	4.60E-04	ND				ND				ND				ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.12E+01	nv			4.26E+00	nv			7.75E+00	nv			4.22E-03	nv		
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				ND				ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	5.60E+01	nv			2.30E+01	nv			1.90E+01	nv			4.10E+01	nv		
Chloride	mg/L	NA	NA	7.05E+00	nv			7.10E+00	nv			6.61E+00	nv			7.06E+00	nv		
Nitrite, Nitrate	mg/L	NA	NA	ND				ND				ND				ND			
Sulfate	mg/L	NA	NA	1.09E+01	nv			1.14E+01	nv			1.51E+01	nv			3.10E+01	nv		
Total Organic Carbon	mg/L	NA	NA	1.00E+02	nv			1.00E+01	nv			5.50E+01	nv			5.00E+00	nv		

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama
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Parcel Sample Location Sample Number Sample Date				HILF-81 LF4-MW4 MW4-995 28-Sep-95				HILF-81 LF4-MW4 MW4-396 26-Mar-96				HILF-81 LF4-MW4 MW4-996 10-Sep-96				HILF-81 LF4-MW4 MW4-397 27-Mar-97			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04	NA															
Arsenic	mg/L	1.78E-02	4.00E-05	ND				ND				9.00E-03	nv		YES	ND			
Barium	mg/L	1.27E-01	1.10E-01	2.70E-01	nv	YES	YES	3.10E-01	nv	YES	YES	7.20E-01	nv	YES	YES	ND			
Beryllium	mg/L	1.24E-03	3.12E-03	NA															
Cadmium	mg/L	2.51E-03	7.80E-04	ND				5.00E-03	nv	YES	YES	1.60E-02	nv	YES	YES	1.51E-03	nv		YES
Chromium	mg/L	NA	4.69E-03	ND				ND				3.00E-02	nv		YES	ND			
Iron	mg/L	7.04E+00	4.69E-01	1.54E+00	nv		YES	2.11E+00	nv		YES	6.03E+01	nv	YES	YES	1.05E+01	nv	YES	YES
Lead	mg/L	7.99E-03	1.50E-02	ND				8.80E-02	nv	YES	YES	5.27E-01	nv	YES	YES	7.49E-03	nv		
Manganese	mg/L	5.81E-01	7.35E-02	1.33E+00	nv	YES	YES	9.20E-01	nv	YES	YES	2.43E+00	nv	YES	YES	1.06E+00	nv	YES	YES
Mercury	mg/L	NA	4.60E-04	ND				ND				2.00E-03	nv		YES	ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.19E-01	nv			2.51E+01	nv	YES		1.41E+02	nv	YES		3.60E+01	nv	YES	
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				4.10E-02	nv		YES	ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	4.10E+01	nv			7.70E+01	nv			8.80E+01	nv			1.16E+02	nv		
Chloride	mg/L	NA	NA	2.96E+02	nv			6.47E+01	nv			3.50E+02	nv			2.25E+02	nv		
Nitrite, Nitrate	mg/L	NA	NA	8.00E-02	nv			ND				ND				ND			
Sulfate	mg/L	NA	NA	3.21E+01	nv			7.33E+00	nv			3.84E+01	nv			2.18E+01	nv		
Total Organic Carbon	mg/L	NA	NA	1.10E+01	nv			9.00E+00	nv			1.50E+01	nv			1.07E+02	nv		

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama

Parcel				HILF-81				HILF-81				HILF-81				HILF-81			
Sample Location				LF4-MW4				LF4-MW4				LF4-MW4				LF4-MW5			
Sample Number				MW4-1097				MW4-398				MW4-998				MW5-394			
Sample Date				2-Oct-97				23-Mar-98				28-Sep-98				30-Mar-94			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04									1.30E-02	nv	YES	YES				
Arsenic	mg/L	1.78E-02	4.00E-05	4.40E-02	nv	YES	YES	ND				7.00E-03	nv		YES	ND			
Barium	mg/L	1.27E-01	1.10E-01	ND				ND				ND				6.00E-02	nv		
Beryllium	mg/L	1.24E-03	3.12E-03									3.00E-03	nv	YES					
Cadmium	mg/L	2.51E-03	7.80E-04	2.61E-03	nv	YES	YES	3.88E-02	nv	YES	YES	1.35E-02	nv	YES	YES	ND			
Chromium	mg/L	NA	4.69E-03	1.98E-03	nv			2.90E-03	nv			ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.36E+01	nv	YES	YES	8.50E+00	nv	YES	YES	1.20E+00	nv		YES	8.30E-01	nv		YES
Lead	mg/L	7.99E-03	1.50E-02	1.41E-01	nv	YES	YES	7.28E-02	nv	YES	YES	8.40E-03	nv	YES		ND			
Manganese	mg/L	5.81E-01	7.35E-02	2.72E+00	nv	YES	YES	4.80E-01	nv		YES	1.69E+00	nv	YES	YES	1.80E-01	nv		YES
Mercury	mg/L	NA	4.60E-04	7.00E-07	nv			ND				ND				ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				9.00E-03	nv		YES	ND			
Sodium	mg/L	1.48E+01	NA	5.79E+01	nv	YES		3.80E+00	nv			1.29E+01	nv			3.33E+00	nv		
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				ND				ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	2.29E+02	nv			1.60E+02	nv			9.74E+01	nv			ND			
Chloride	mg/L	NA	NA	3.11E+02	nv			5.61E+01	nv			1.56E+02	nv			2.72E+00	nv		
Nitrite, Nitrate	mg/L	NA	NA	ND				ND				ND				ND			
Sulfate	mg/L	NA	NA	4.40E+01	nv			2.31E+01	nv			6.35E+00	nv			4.49E+00	nv		
Total Organic Carbon	mg/L	NA	NA	2.40E+01	nv			4.07E+00	nv			9.48E+00	nv			2.70E+01	nv		

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama
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Parcel Sample Location Sample Number Sample Date				HILF-81 LF4-MW5 MW5-494 27-Apr-94				HILF-81 LF4-MW5 MW5-594 24-May-94				HILF-81 LF4-MW5 MW5-694 30-Jun-94				HILF-81 LF4-MW5 MW5-994 12-Sep-94			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04																
Arsenic	mg/L	1.78E-02	4.00E-05	ND				ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	6.00E-02	nv			9.00E-02	nv			ND				ND			
Beryllium	mg/L	1.24E-03	3.12E-03																
Cadmium	mg/L	2.51E-03	7.80E-04	ND				ND				ND				ND			
Chromium	mg/L	NA	4.69E-03	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	1.40E-01	nv			9.00E-02	nv			ND				9.00E-02	nv		
Lead	mg/L	7.99E-03	1.50E-02	ND				ND				ND				ND			
Manganese	mg/L	5.81E-01	7.35E-02	1.30E-01	nv		YES	1.20E-01	nv		YES	1.10E-01	nv		YES	6.00E-02	nv		
Mercury	mg/L	NA	4.60E-04	ND				ND				ND				ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	8.58E+01	nv	YES		1.62E+00	nv			1.53E+01	nv	YES		1.65E+00	nv		
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				ND				ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	ND				ND				ND				1.00E+01	nv		
Chloride	mg/L	NA	NA	1.57E+00	nv			1.16E+00	nv			1.63E+00	nv			3.60E+00	nv		
Nitrite, Nitrate	mg/L	NA	NA	ND				ND				ND				ND			
Sulfate	mg/L	NA	NA	1.65E+00	nv			7.20E-01	nv			5.00E-01	nv			7.00E-02	nv		
Total Organic Carbon	mg/L	NA	NA	ND				2.60E+01	nv			4.00E+01	nv			2.90E+01	nv		

Table A4-1
Detected Compounds in Groundwater Samples
Landfill No. 4 and the Industrial Landfill, Parcels 81(5) and 175(5)
Fort McClellan, Calhoun County, Alabama
(Page 9 of 17)

Parcel				HILF-81				HILF-81				HILF-81				HILF-81			
Sample Location				LF4-MW5				LF4-MW5				LF4-MW5				LF4-MW5			
Sample Number				MW5-395				MW5-995				MW5-396				MW5-996			
Sample Date				14-Mar-95				28-Sep-95				26-Mar-96				10-Sep-96			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**	**Result**	**Qual**	**>BKG**	**>SSSL**
METALS																			
Antimony	mg/L	3.19E-03	6.20E-04																
Arsenic	mg/L	1.78E-02	4.00E-05	ND				ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	7.00E-02	nv			ND				ND				ND			
Beryllium	mg/L	1.24E-03	3.12E-03																
Cadmium	mg/L	2.51E-03	7.80E-04	ND				ND				ND				ND			
Chromium	mg/L	NA	4.69E-03	1.10E-01	nv		YES	ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	1.44E+00	nv		YES	8.00E-02	nv			2.90E-01	nv			1.09E+00	nv		YES
Lead	mg/L	7.99E-03	1.50E-02	ND				ND				ND				ND			
Manganese	mg/L	5.81E-01	7.35E-02	1.03E-01	nv		YES	6.00E-02	nv			4.00E-02	nv			6.00E-02	nv		
Mercury	mg/L	NA	4.60E-04	ND				ND				ND				ND			
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.14E+01	nv			1.73E-03	nv			1.21E+00	nv			1.37E+00	nv		
VOLATILE ORGANIC COMPOUNDS																			
Trichloroethene	mg/L	NA	4.50E-03	ND				ND				ND				ND			
WET CHEMISTRY																			
COD	mg/L	NA	NA	1.60E+01	nv			ND				3.40E+01	nv			1.70E+01	nv		
Chloride	mg/L	NA	NA	9.77E+00	nv			3.10E+00	nv			2.04E+00	nv			3.64E+00	nv		
Nitrite, Nitrate	mg/L	NA	NA	ND				ND				ND				1.50E-01	nv		
Sulfate	mg/L	NA	NA	ND				3.20E-01	nv			3.90E-01	nv			4.10E-01	nv		
Total Organic Carbon	mg/L	NA	NA	4.50E+01	nv			ND				1.00E+00	nv			1.00E+00	nv		