APPENDIX E

SUMMARY OF VALIDATED ANALYTICAL DATA

Summary of Validated Surface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW02			RNG-102-MW03			
	Associated Site:	RNG-102			RNG-102			RNG-102			
	Sample No:	RN0001			RN0005			RN0007			
	Sample Date:	07-MAR-00			08-MAR-00			08-MAR-00			
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	
METALS											
SW6010_S											
Aluminum	mg/kg	8890			5760			4820			
Antimony	mg/kg	0.72	B	J	4.8	B	J	0.49	B	J	
Arsenic	mg/kg	25.4			10.3			32.9			
Barium	mg/kg	26.1			53.8			22.9			
Beryllium	mg/kg	0.53	B	B	0.44	B	B	0.63			
Cadmium	mg/kg	0.58	U	U	0.59	U	U	0.57	U	U	
Calcium	mg/kg	838		J	2550		J	6600		J	
Chromium	mg/kg	21.9		J	10.1		J	14.7		J	
Cobalt	mg/kg	4.3	B	J	4.9	B	J	5.8			
Copper	mg/kg	23.6		J	18.4		J	18.3		J	
Iron	mg/kg	29700			11100			22400			
Lead	mg/kg	40.2			333			17.1			
Magnesium	mg/kg	373	B	J	942			841			
Manganese	mg/kg	260			615			268			
Nickel	mg/kg	11.3			8.1			16.8			
Potassium	mg/kg	275	B	J	106	B	J	166	B	J	
Selenium	mg/kg	0.58	U	U	0.59	U	U	0.57	U	U	
Silver	mg/kg	1.2	U	U	1.2	U	U	1.1	U	U	
Sodium	mg/kg	576	U	U	585	U	U	572	U	U	
Thallium	mg/kg	1.3		B	0.80	B	B	1.0	B	B	
Vanadium	mg/kg	50.0			18.1			31.9			
Zinc	mg/kg	48.2		J	88.3		J	79.4		J	
SW7471_S											
Mercury	mg/kg	0.057			0.037	B	J	0.035	B	J	
NITROAROMATICS											
SW8330_S											
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	

Summary of Validated Surface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102		
	Sample No:	RN0001			RN0005			RN0007		
	Sample Date:	07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method										
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
NITROAROMATICS										
SW8330_S										
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
SEMIVOLATILES										
SW8270_S										
1,2,4-Trichlorobenzene	mg/kg	.38	U	U	.39	U	U	.38	U	U
1,2-Dichlorobenzene	mg/kg	.38	U	U	.39	U	U	.38	U	U
1,3-Dichlorobenzene	mg/kg	.38	U	U	.39	U	U	.38	U	U
1,4-Dichlorobenzene	mg/kg	.38	U	U	.39	U	U	.38	U	U
2,4,5-Trichlorophenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
2,4,6-Trichlorophenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
2,4-Dichlorophenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
2,4-Dimethylphenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
2,4-Dinitrophenol	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U
2,4-Dinitrotoluene	mg/kg	.38	U	U	.39	U	U	.38	U	U
2,6-Dinitrotoluene	mg/kg	.38	U	U	.39	U	U	.38	U	U
2-Chloronaphthalene	mg/kg	.38	U	U	.39	U	U	.38	U	U
2-Chlorophenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
2-Methylnaphthalene	mg/kg	.38	U	U	.39	U	U	.38	U	U
2-Methylphenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
2-Nitroaniline	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U
2-Nitrophenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
3,3-Dichlorobenzidine	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U

Summary of Validated Surface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102		
	Sample No:	RN0001			RN0005			RN0007		
	Sample Date:	07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method										
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES										
SW8270_S										
3-Nitroaniline	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U
4,6-Dinitro-2-methylphenol	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U
4-Bromophenyl phenyl ether	mg/kg	.38	U	U	.39	U	U	.38	U	U
4-Chloro-3-methylphenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
4-Chloroaniline	mg/kg	.38	U	U	.39	U	U	.38	U	U
4-Chlorophenyl phenyl ether	mg/kg	.38	U	U	.39	U	U	.38	U	U
4-Methylphenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
4-Nitroaniline	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U
4-Nitrophenol	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U
Acenaphthene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Acenaphthylene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Anthracene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Benzo(a)anthracene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Benzo(a)pyrene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Benzo(b)fluoranthene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Benzo(ghi)perylene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Benzo(k)fluoranthene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Butyl benzyl phthalate	mg/kg	.38	U	U	.39	U	U	.38	U	U
Carbazole	mg/kg	.38	U	U	.39	U	U	.38	U	U
Chrysene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Di-n-butyl phthalate	mg/kg	.38	U	U	.39	U	U	.38	U	U
Di-n-octyl phthalate	mg/kg	.38	U	U	.39	U	U	.38	U	U
Dibenz(a,h)anthracene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Dibenzofuran	mg/kg	.38	U	U	.39	U	U	.38	U	U
Diethyl phthalate	mg/kg	.38	U	U	.39	U	U	.38	U	U
Dimethyl phthalate	mg/kg	.38	U	U	.39	U	U	.38	U	U
Fluoranthene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Fluorene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Hexachlorobenzene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Hexachlorobutadiene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Hexachlorocyclopentadiene	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U

Summary of Validated Surface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102		
	Sample No:	RN0001			RN0005			RN0007		
	Sample Date:	07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method										
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES										
SW8270_S										
Hexachloroethane	mg/kg	.38	U	U	.39	U	U	.38	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Isophorone	mg/kg	.38	U	U	.39	U	U	.38	U	U
Naphthalene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Nitrobenzene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Pentachlorophenol	mg/kg	1.8	U	U	1.9	U	U	1.8	U	U
Phenanthrene	mg/kg	.38	U	U	.39	U	U	.38	U	U
Phenol	mg/kg	.38	U	U	.39	U	U	.38	U	U
Pyrene	mg/kg	.38	U	U	.39	U	U	.38	U	U
bis(2-Chloroethoxy)methane	mg/kg	.38	U	U	.39	U	U	.38	U	U
bis(2-Chloroethyl)ether	mg/kg	.38	U	U	.39	U	U	.38	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.38	U	U	.39	U	U	.38	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.12	J B	B	.54	B	B	.15	J B	B
n-Nitroso-di-n-propylamine	mg/kg	.38	U	U	.39	U	U	.38	U	U
n-Nitrosodiphenylamine	mg/kg	.38	U	U	.39	U	U	.38	U	U
VOLATILES										
SW8260_S										
1,1,1,2-Tetrachloroethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,1,1-Trichloroethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,1,2-Trichloroethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,1-Dichloroethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,1-Dichloroethene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,1-Dichloropropene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,2,3-Trichlorobenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,2,3-Trichloropropane	mg/kg	.0058	U	UJ	.0059	U	UJ	.0057	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,2,4-Trimethylbenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U
1,2-Dibromo-3-Chloropropane	mg/kg	.012	U	U	.012	U	U	.011	U	U
1,2-Dibromoethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U

Summary of Validated Surface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW02			RNG-102-MW03			
	Associated Site:	RNG-102			RNG-102			RNG-102			
	Sample No:	RN0001			RN0005			RN0007			
	Sample Date:	07-MAR-00			08-MAR-00			08-MAR-00			
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			
Lab Method											
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	
VOLATILES											
SW8260_S											
1,2-Dichlorobenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
1,2-Dichloroethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
1,2-Dichloropropane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
1,2-Dimethylbenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
1,3,5-Trimethylbenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
1,3-Dichlorobenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
1,3-Dichloropropane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
1,4-Dichlorobenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
2-Butanone	mg/kg	.023	U	UJ	.023	U	UJ	.023	U	UJ	
2-Hexanone	mg/kg	.023	U	UJ	.023	U	UJ	.023	U	UJ	
4-Methyl-2-pentanone	mg/kg	.023	U	U	.023	U	U	.023	U	U	
Acetone	mg/kg	.023	U	UJ	.023	U	UJ	.023	U	UJ	
Benzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Bromobenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Bromochloromethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Bromodichloromethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Bromoform	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Bromomethane	mg/kg	.012	U	R	.012	U	R	.011	U	R	
Carbon disulfide	mg/kg	.0058	U	UJ	.0059	U	UJ	.0057	U	UJ	
Carbon tetrachloride	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Chlorobenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Chloroethane	mg/kg	.012	U	UJ	.012	U	UJ	.011	U	UJ	
Chloroform	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Chloromethane	mg/kg	.012	U	UJ	.012	U	UJ	.011	U	UJ	
Cumene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Dibromochloromethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Dibromomethane	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Dichlorodifluoromethane	mg/kg	.012	U	U	.012	U	U	.011	U	U	
Ethylbenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Hexachlorobutadiene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Methylene chloride	mg/kg	.0052	J B	B	.0067	B	B	.0054	J B	B	

Summary of Validated Surface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW02			RNG-102-MW03			
	Associated Site:	RNG-102			RNG-102			RNG-102			
	Sample No:	RN0001			RN0005			RN0007			
	Sample Date:	07-MAR-00			08-MAR-00			08-MAR-00			
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			
Lab Method											
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	
VOLATILES											
SW8260_S											
Naphthalene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Styrene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Tetrachloroethene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Toluene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Trichloroethene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
Trichlorofluoromethane	mg/kg	.0036	J	J	.006	J	J	.0029	J	J	
Vinyl chloride	mg/kg	.012	U	U	.012	U	U	.011	U	U	
cis-1,2-Dichloroethene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
cis-1,3-Dichloropropene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
m,p-Xylenes	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
n-Butylbenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
n-Propylbenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
o-Chlorotoluene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
p-Chlorotoluene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
p-Cymene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
sec-Butylbenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
sec-Dichloropropane	mg/kg	.0058	U	UJ	.0059	U	UJ	.0057	U	UJ	
tert-Butylbenzene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
trans-1,2-Dichloroethene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	
trans-1,3-Dichloropropene	mg/kg	.0058	U	U	.0059	U	U	.0057	U	U	

Summary of Validated Subsurface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102			RNG-102		
	Sample No:	RN0002			RN0003			RN0006			RN0008		
	Sample Date:	07-MAR-00			07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	4 - 6			4 - 6			10 - 12			10 - 12		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010_S													
Aluminum	mg/kg	5680			5950			4370			6040		
Antimony	mg/kg	7.2	U	UJ	0.55	B	J	7.8	U	UJ	6.6	U	UJ
Arsenic	mg/kg	21.5			28.1			45.5			26.3		
Barium	mg/kg	23.3	B	J	18.8	B	J	4.3	B	J	35.9		
Beryllium	mg/kg	0.91			0.84			0.54	B	B	0.33	B	B
Cadmium	mg/kg	0.60	U	U	0.59	U	U	0.65	U	U	0.55	U	U
Calcium	mg/kg	56.1	B	J	90.8	B	J	15.5	B	J	568		J
Chromium	mg/kg	14.3		J	50.2		J	9.9		J	83.6		J
Cobalt	mg/kg	6.2			6.5			2.7	B	J	3.2	B	J
Copper	mg/kg	17.8		J	18.7		J	17.8		J	12.5		J
Iron	mg/kg	27200			29600			24200			26300		
Lead	mg/kg	20.4			19.0			12.7			9.7		
Magnesium	mg/kg	192	B	J	183	B	J	167	B	J	233	B	J
Manganese	mg/kg	443			363			44.4			185		
Nickel	mg/kg	21.5			22.7			13.4			39.0		
Potassium	mg/kg	295	B	J	284	B	J	325	B	J	387	B	J
Selenium	mg/kg	0.60	U	U	0.59	U	U	0.65	U	U	0.55	U	U
Silver	mg/kg	1.2	U	U	1.2	U	U	1.3	U	U	1.1	U	U
Sodium	mg/kg	600	U	U	590	U	U	650	U	U	554	U	U
Thallium	mg/kg	1.1	B	B	1.0	B	B	1.0	B	B	0.62	B	B
Vanadium	mg/kg	36.1			39.5			27.2			24.4		
Zinc	mg/kg	120		J	108		J	28.2		J	25.1		J
SW7471_S													
Mercury	mg/kg	0.025	B	J	0.026	B	J	0.019	B	J	0.026	B	J
NITROAROMATICS													
SW8330_S													
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U

Summary of Validated Subsurface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102			RNG-102		
	Sample No:	RN0002			RN0003			RN0006			RN0008		
	Sample Date:	07-MAR-00			07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	4 - 6			4 - 6			10 - 12			10 - 12		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
NITROAROMATICS													
SW8330_S													
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
SEMIVOLATILES													
SW8270_S													
1,2,4-Trichlorobenzene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
1,2-Dichlorobenzene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
1,3-Dichlorobenzene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
1,4-Dichlorobenzene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2,4,5-Trichlorophenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2,4,6-Trichlorophenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2,4-Dichlorophenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2,4-Dimethylphenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2,4-Dinitrophenol	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U
2,4-Dinitrotoluene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2,6-Dinitrotoluene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2-Chloronaphthalene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2-Chlorophenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2-Methylnaphthalene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2-Methylphenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
2-Nitroaniline	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U
2-Nitrophenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
3,3-Dichlorobenzidine	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U

Summary of Validated Subsurface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102			RNG-102		
	Sample No:	RN0002			RN0003			RN0006			RN0008		
	Sample Date:	07-MAR-00			07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	4 - 6			4 - 6			10 - 12			10 - 12		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES													
SW8270_S													
3-Nitroaniline	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U
4,6-Dinitro-2-methylphenol	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U
4-Bromophenyl phenyl ether	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
4-Chloro-3-methylphenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
4-Chloroaniline	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
4-Chlorophenyl phenyl ether	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
4-Methylphenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
4-Nitroaniline	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U
4-Nitrophenol	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U
Acenaphthene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Acenaphthylene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Anthracene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Benzo(a)anthracene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Benzo(a)pyrene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Benzo(b)fluoranthene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Benzo(ghi)perylene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Benzo(k)fluoranthene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Butyl benzyl phthalate	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Carbazole	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Chrysene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Di-n-butyl phthalate	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Di-n-octyl phthalate	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Dibenz(a,h)anthracene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Dibenzofuran	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Diethyl phthalate	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Dimethyl phthalate	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Fluoranthene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Fluorene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Hexachlorobenzene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Hexachlorobutadiene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Hexachlorocyclopentadiene	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U

Summary of Validated Subsurface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102			RNG-102		
	Sample No:	RN0002			RN0003			RN0006			RN0008		
	Sample Date:	07-MAR-00			07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	4 - 6			4 - 6			10 - 12			10 - 12		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES													
SW8270_S													
Hexachloroethane	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Isophorone	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Naphthalene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Nitrobenzene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Pentachlorophenol	mg/kg	1.9	U	U	1.9	U	U	2.1	U	U	1.8	U	U
Phenanthrene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Phenol	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
Pyrene	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
bis(2-Chloroethoxy)methane	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
bis(2-Chloroethyl)ether	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.17	J B	B	.19	J B	B	.15	J B	B	.11	J B	B
n-Nitroso-di-n-propylamine	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
n-Nitrosodiphenylamine	mg/kg	.4	U	U	.39	U	U	.43	U	U	.37	U	U
VOLATILES													
SW8260_S													
1,1,1,2-Tetrachloroethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,1,1-Trichloroethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,1,2-Trichloroethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,1-Dichloroethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,1-Dichloroethene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,1-Dichloropropene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,2,3-Trichlorobenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,2,3-Trichloropropane	mg/kg	.006	U	UJ	.0059	U	UJ	.0065	U	UJ	.0055	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,2,4-Trimethylbenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,2-Dibromo-3-Chloropropane	mg/kg	.012	U	U	.012	U	U	.013	U	U	.011	U	U
1,2-Dibromoethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U

Summary of Validated Subsurface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102			RNG-102		
	Sample No:	RN0002			RN0003			RN0006			RN0008		
	Sample Date:	07-MAR-00			07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	4 - 6			4 - 6			10 - 12			10 - 12		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES													
SW8260_S													
1,2-Dichlorobenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,2-Dichloroethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,2-Dichloropropane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,2-Dimethylbenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,3,5-Trimethylbenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,3-Dichlorobenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,3-Dichloropropane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
1,4-Dichlorobenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
2-Butanone	mg/kg	.024	U	UJ	.024	U	UJ	.026	U	UJ	.022	U	UJ
2-Hexanone	mg/kg	.024	U	UJ	.024	U	UJ	.026	U	UJ	.022	U	UJ
4-Methyl-2-pentanone	mg/kg	.024	U	U	.024	U	U	.026	U	U	.022	U	U
Acetone	mg/kg	.024	U	UJ	.14	B	J	.026	U	UJ	.018	J B	B
Benzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Bromobenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Bromochloromethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Bromodichloromethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Bromoform	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Bromomethane	mg/kg	.012	U	R	.012	U	R	.013	U	R	.011	U	R
Carbon disulfide	mg/kg	.006	U	UJ	.0059	U	UJ	.0065	U	UJ	.0055	U	UJ
Carbon tetrachloride	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Chlorobenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Chloroethane	mg/kg	.012	U	UJ	.012	U	UJ	.013	U	UJ	.011	U	UJ
Chloroform	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Chloromethane	mg/kg	.012	U	UJ	.012	U	UJ	.013	U	UJ	.011	U	UJ
Cumene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Dibromochloromethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Dibromomethane	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Dichlorodifluoromethane	mg/kg	.012	U	U	.012	U	U	.013	U	U	.011	U	U
Ethylbenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Hexachlorobutadiene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Methylene chloride	mg/kg	.0039	J B	B	.0043	J B	B	.0049	J B	B	.0036	J B	B

Summary of Validated Subsurface Soil Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/18/02

	Location Code:	RNG-102-MW01			RNG-102-MW01			RNG-102-MW02			RNG-102-MW03		
	Associated Site:	RNG-102			RNG-102			RNG-102			RNG-102		
	Sample No:	RN0002			RN0003			RN0006			RN0008		
	Sample Date:	07-MAR-00			07-MAR-00			08-MAR-00			08-MAR-00		
User Test Group	*Sample Depth:*	4 - 6			4 - 6			10 - 12			10 - 12		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES													
SW8260_S													
Naphthalene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Styrene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Tetrachloroethene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Toluene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Trichloroethene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
Trichlorofluoromethane	mg/kg	.0034	J	J	.0042	J	J	.0033	J	J	.0021	J	J
Vinyl chloride	mg/kg	.012	U	U	.012	U	U	.013	U	U	.011	U	U
cis-1,2-Dichloroethene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
cis-1,3-Dichloropropene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
m,p-Xylenes	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
n-Butylbenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
n-Propylbenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
o-Chlorotoluene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
p-Chlorotoluene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
p-Cymene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
sec-Butylbenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
sec-Dichloropropane	mg/kg	.006	U	UJ	.0059	U	UJ	.0065	U	UJ	.0055	U	UJ
tert-Butylbenzene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
trans-1,2-Dichloroethene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U
trans-1,3-Dichloropropene	mg/kg	.006	U	U	.0059	U	U	.0065	U	U	.0055	U	U

Summary of Validated Surface Water Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

Location Code:	RNG-102-SW/SD01
Associated Site:	RNG-102
Sample No:	RN2001
Sample Date:	08-MAR-00

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
METALS					
SW6010_W					
Aluminum		mg/L	1.3		J
Antimony		mg/L	.06	U	U
Arsenic		mg/L	.0035	B	J
Barium		mg/L	.0144	B	J
Beryllium		mg/L	.005	U	U
Cadmium		mg/L	.005	U	U
Calcium		mg/L	12.4		
Chromium		mg/L	.002	B	J
Cobalt		mg/L	.05	U	U
Copper		mg/L	.025	U	U
Iron		mg/L	2.18		
Lead		mg/L	.003	U	U
Magnesium		mg/L	5.34		
Manganese		mg/L	.0461		
Nickel		mg/L	.0025	B	J
Potassium		mg/L	.705	B	J
Selenium		mg/L	.005	U	U
Silver		mg/L	.01	U	U
Sodium		mg/L	.46	B	J
Thallium		mg/L	.0087	B	B
Vanadium		mg/L	.0038	B	J
Zinc		mg/L	.0079	B	J
SW7470_W					
Mercury		mg/L	.0002	U	U
NITROAROMATICS					
SW8330_W					
1,3,5-Trinitrobenzene		mg/L	.0002	U	U
1,3-Dinitrobenzene		mg/L	.0002	U	U
2,4,6-Trinitrotoluene		mg/L	.0002	U	U
2,4-Dinitrotoluene		mg/L	.0002	U	U

Location Code:	RNG-102-SW/SD01
Associated Site:	RNG-102
Sample No:	RN2001
Sample Date:	08-MAR-00

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
NITROAROMATICS					
SW8330_W					
2,6-Dinitrotoluene		mg/L	.0002	U	U
2-Amino-4,6-dinitrotoluene		mg/L	.0002	U	U
2-Nitrotoluene		mg/L	.0002	U	U
3-Nitrotoluene		mg/L	.0002	U	U
4-Amino-2,6-dinitrotoluene		mg/L	.0002	U	U
HMX		mg/L	.0005	U	U
Nitrobenzene		mg/L	.0002	U	U
RDX		mg/L	.0005	U	U
Tetryl		mg/L	.0002	U	U
p-Nitrotoluene		mg/L	.0002	U	U
SEMIVOLATILES					
SW8270_W					
1,2,4-Trichlorobenzene		mg/L	.01	U	U
1,2-Dichlorobenzene		mg/L	.01	U	U
1,3-Dichlorobenzene		mg/L	.01	U	U
1,4-Dichlorobenzene		mg/L	.01	U	U
2,4,5-Trichlorophenol		mg/L	.01	U	U
2,4,6-Trichlorophenol		mg/L	.01	U	U
2,4-Dichlorophenol		mg/L	.01	U	U
2,4-Dimethylphenol		mg/L	.01	U	U
2,4-Dinitrophenol		mg/L	.05	U	U
2,4-Dinitrotoluene		mg/L	.01	U	U
2,6-Dinitrotoluene		mg/L	.01	U	U
2-Chloronaphthalene		mg/L	.01	U	U
2-Chlorophenol		mg/L	.01	U	U
2-Methylnaphthalene		mg/L	.01	U	U
2-Methylphenol		mg/L	.01	U	U
2-Nitroaniline		mg/L	.05	U	U
2-Nitrophenol		mg/L	.01	U	U
3,3-Dichlorobenzidine		mg/L	.05	U	U

Summary of Validated Surface Water Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

Location Code: RNG-102-SW/SD01
Associated Site: RNG-102
Sample No: RN2001
Sample Date: 08-MAR-00

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
SEMIVOLATILES					
SW8270_W					
3-Nitroaniline		mg/L	.05	U	U
4,6-Dinitro-2-methylphenol		mg/L	.05	U	U
4-Bromophenyl phenyl ether		mg/L	.01	U	U
4-Chloro-3-methylphenol		mg/L	.01	U	U
4-Chloroaniline		mg/L	.01	U	U
4-Chlorophenyl phenyl ether		mg/L	.01	U	U
4-Methylphenol		mg/L	.01	U	U
4-Nitroaniline		mg/L	.05	U	U
4-Nitrophenol		mg/L	.05	U	U
Acenaphthene		mg/L	.01	U	U
Acenaphthylene		mg/L	.01	U	U
Anthracene		mg/L	.01	U	U
Benzo(a)anthracene		mg/L	.01	U	U
Benzo(a)pyrene		mg/L	.01	U	U
Benzo(b)fluoranthene		mg/L	.01	U	U
Benzo(ghi)perylene		mg/L	.01	U	U
Benzo(k)fluoranthene		mg/L	.01	U	U
Butyl benzyl phthalate		mg/L	.01	U	U
Carbazole		mg/L	.01	U	U
Chrysene		mg/L	.01	U	U
Di-n-butyl phthalate		mg/L	.01	U	U
Di-n-octyl phthalate		mg/L	.01	U	U
Dibenz(a,h)anthracene		mg/L	.01	U	U
Dibenzofuran		mg/L	.01	U	U
Diethyl phthalate		mg/L	.01	U	U
Dimethyl phthalate		mg/L	.01	U	U
Fluoranthene		mg/L	.01	U	U
Fluorene		mg/L	.01	U	U
Hexachlorobenzene		mg/L	.01	U	U
Hexachlorobutadiene		mg/L	.01	U	U
Hexachlorocyclopentadiene		mg/L	.05	U	U

Location Code:	RNG-102-SW/SD01
Associated Site:	RNG-102
Sample No:	RN2001
Sample Date:	08-MAR-00

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
SEMIVOLATILES					
SW8270_W					
Hexachloroethane		mg/L	.01	U	U
Indeno(1,2,3-cd)pyrene		mg/L	.01	U	U
Isophorone		mg/L	.01	U	U
Naphthalene		mg/L	.01	U	U
Nitrobenzene		mg/L	.01	U	U
Pentachlorophenol		mg/L	.05	U	U
Phenanthrene		mg/L	.01	U	U
Phenol		mg/L	.01	U	U
Pyrene		mg/L	.01	U	U
bis(2-Chloroethoxy)methane		mg/L	.01	U	U
bis(2-Chloroethyl)ether		mg/L	.01	U	U
bis(2-Chloroisopropyl)ether		mg/L	.01	U	U
bis(2-Ethylhexyl)phthalate		mg/L	.01	U	U
n-Nitroso-di-n-propylamine		mg/L	.01	U	U
n-Nitrosodiphenylamine		mg/L	.01	U	U
VOLATILES					
SW8260_W					
1,1,1,2-Tetrachloroethane		mg/L	.001	U	U
1,1,1-Trichloroethane		mg/L	.001	U	U
1,1,2,2-Tetrachloroethane		mg/L	.001	U	U
1,1,2-Trichloroethane		mg/L	.001	U	U
1,1-Dichloroethane		mg/L	.001	U	U
1,1-Dichloroethene		mg/L	.001	U	U
1,1-Dichloropropene		mg/L	.001	U	U
1,2,3-Trichlorobenzene		mg/L	.001	U	U
1,2,3-Trichloropropane		mg/L	.001	U	U
1,2,4-Trichlorobenzene		mg/L	.001	U	U
1,2,4-Trimethylbenzene		mg/L	.001	U	U
1,2-Dibromo-3-Chloropropane		mg/L	.002	U	R
1,2-Dibromoethane		mg/L	.001	U	U

Summary of Validated Surface Water Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

Location Code: RNG-102-SW/SD01
Associated Site: RNG-102
Sample No: RN2001
Sample Date: 08-MAR-00

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
VOLATILES					
SW8260_W					
1,2-Dichlorobenzene		mg/L	.001	U	U
1,2-Dichloroethane		mg/L	.001	U	U
1,2-Dichloropropane		mg/L	.001	U	U
1,2-Dimethylbenzene		mg/L	.001	U	U
1,3,5-Trimethylbenzene		mg/L	.001	U	U
1,3-Dichlorobenzene		mg/L	.001	U	U
1,3-Dichloropropane		mg/L	.001	U	U
1,4-Dichlorobenzene		mg/L	.001	U	U
2-Butanone		mg/L	.005	U	R
2-Hexanone		mg/L	.005	U	U
4-Methyl-2-pentanone		mg/L	.005	U	U
Acetone		mg/L	.0033	J	B
Benzene		mg/L	.001	U	U
Bromobenzene		mg/L	.001	U	U
Bromochloromethane		mg/L	.001	U	R
Bromodichloromethane		mg/L	.001	U	U
Bromoform		mg/L	.001	U	U
Bromomethane		mg/L	.002	U	U
Carbon disulfide		mg/L	.001	U	U
Carbon tetrachloride		mg/L	.001	U	U
Chlorobenzene		mg/L	.001	U	U
Chloroethane		mg/L	.002	U	U
Chloroform		mg/L	.001	U	U
Chloromethane		mg/L	.002	U	U
Cumene		mg/L	.001	U	U
Dibromochloromethane		mg/L	.001	U	U
Dibromomethane		mg/L	.001	U	R
Dichlorodifluoromethane		mg/L	.002	U	U
Ethylbenzene		mg/L	.001	U	U
Hexachlorobutadiene		mg/L	.001	U	U
Methylene chloride		mg/L	.001	U	U

Summary of Validated Surface Water Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

Location Code:	RNG-102-SW/SD01
Associated Site:	RNG-102
Sample No:	RN2001
Sample Date:	08-MAR-00

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
VOLATILES					
SW8260_W					
Naphthalene		mg/L	.001	U	U
Styrene		mg/L	.001	U	U
Tetrachloroethene		mg/L	.001	U	U
Toluene		mg/L	.001	U	U
Trichloroethene		mg/L	.001	U	U
Trichlorofluoromethane		mg/L	.002	U	U
Vinyl chloride		mg/L	.002	U	U
cis-1,2-Dichloroethene		mg/L	.001	U	U
cis-1,3-Dichloropropene		mg/L	.001	U	U
m,p-Xylenes		mg/L	.001	U	U
n-Butylbenzene		mg/L	.001	U	U
n-Propylbenzene		mg/L	.001	U	U
o-Chlorotoluene		mg/L	.001	U	U
p-Chlorotoluene		mg/L	.001	U	U
p-Cymene		mg/L	.001	U	U
sec-Butylbenzene		mg/L	.001	U	U
sec-Dichloropropane		mg/L	.001	U	UJ
tert-Butylbenzene		mg/L	.001	U	U
trans-1,2-Dichloroethene		mg/L	.001	U	UJ
trans-1,3-Dichloropropene		mg/L	.001	U	UJ

Summary of Validated Sediment Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

	Location Code:	RNG-102-SW/SD01			
	Associated Site:	RNG-102			
	Sample No:	RN1001			
	Sample Date:	08-MAR-00			
User Test Group	*Sample Depth:*	0 - .5			
Lab Method					
Parameter	*Units*	*Result*	*Qual*	*VQual*	
METALS					
SW6010_S					
Aluminum	mg/kg	6660			
Antimony	mg/kg	8.8	U	UJ	
Arsenic	mg/kg	24.0			
Barium	mg/kg	16.8	B	J	
Beryllium	mg/kg	0.49	B	B	
Cadmium	mg/kg	0.74	U	U	
Calcium	mg/kg	697	B	J	
Chromium	mg/kg	18.8		J	
Cobalt	mg/kg	3.7	B	J	
Copper	mg/kg	11.6		J	
Iron	mg/kg	29500			
Lead	mg/kg	10.7			
Magnesium	mg/kg	400	B	J	
Manganese	mg/kg	118			
Nickel	mg/kg	10.5			
Potassium	mg/kg	230	B	J	
Selenium	mg/kg	0.74	U	U	
Silver	mg/kg	1.5	U	U	
Sodium	mg/kg	737	U	U	
Thallium	mg/kg	0.76	B	B	
Vanadium	mg/kg	45.4			
Zinc	mg/kg	51.8		J	
SW7471_S					
Mercury	mg/kg	0.087			
NITROAROMATICS					
SW8330_S					
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	
1,3-Dinitrobenzene	mg/kg	0.25	U	U	
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	
2,4-Dinitrotoluene	mg/kg	0.25	U	U	

Summary of Validated Sediment Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

	Location Code:	RNG-102-SW/SD01		
	Associated Site:	RNG-102		
	Sample No:	RN1001		
	Sample Date:	08-MAR-00		
User Test Group	*Sample Depth:*	0 - .5		
Lab Method				
Parameter	*Units*	*Result*	*Qual*	*VQual*
NITROAROMATICS				
SW8330_S				
2,6-Dinitrotoluene	mg/kg	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U
HMX	mg/kg	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U
RDX	mg/kg	0.50	U	U
Tetryl	mg/kg	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U
SEMIVOLATILES				
SW8270_S				
1,2,4-Trichlorobenzene	mg/kg	.49	U	U
1,2-Dichlorobenzene	mg/kg	.49	U	U
1,3-Dichlorobenzene	mg/kg	.49	U	U
1,4-Dichlorobenzene	mg/kg	.49	U	U
2,4,5-Trichlorophenol	mg/kg	.49	U	U
2,4,6-Trichlorophenol	mg/kg	.49	U	U
2,4-Dichlorophenol	mg/kg	.49	U	U
2,4-Dimethylphenol	mg/kg	.49	U	U
2,4-Dinitrophenol	mg/kg	2.4	U	U
2,4-Dinitrotoluene	mg/kg	.49	U	U
2,6-Dinitrotoluene	mg/kg	.49	U	U
2-Chloronaphthalene	mg/kg	.49	U	U
2-Chlorophenol	mg/kg	.49	U	U
2-Methylnaphthalene	mg/kg	.49	U	U
2-Methylphenol	mg/kg	.49	U	U
2-Nitroaniline	mg/kg	2.4	U	U
2-Nitrophenol	mg/kg	.49	U	U
3,3-Dichlorobenzidine	mg/kg	2.4	U	U

Summary of Validated Sediment Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

	Location Code:	RNG-102-SW/SD01		
	Associated Site:	RNG-102		
	Sample No:	RN1001		
	Sample Date:	08-MAR-00		
User Test Group	*Sample Depth:*	0 - .5		
Lab Method				
Parameter	*Units*	*Result*	*Qual*	*VQual*
SEMIVOLATILES				
SW8270_S				
3-Nitroaniline	mg/kg	2.4	U	U
4,6-Dinitro-2-methylphenol	mg/kg	2.4	U	U
4-Bromophenyl phenyl ether	mg/kg	.49	U	U
4-Chloro-3-methylphenol	mg/kg	.49	U	U
4-Chloroaniline	mg/kg	.49	U	U
4-Chlorophenyl phenyl ether	mg/kg	.49	U	U
4-Methylphenol	mg/kg	.49	U	U
4-Nitroaniline	mg/kg	2.4	U	U
4-Nitrophenol	mg/kg	2.4	U	U
Acenaphthene	mg/kg	.49	U	U
Acenaphthylene	mg/kg	.49	U	U
Anthracene	mg/kg	.49	U	U
Benzo(a)anthracene	mg/kg	.49	U	U
Benzo(a)pyrene	mg/kg	.49	U	U
Benzo(b)fluoranthene	mg/kg	.49	U	U
Benzo(ghi)perylene	mg/kg	.49	U	U
Benzo(k)fluoranthene	mg/kg	.49	U	U
Butyl benzyl phthalate	mg/kg	.49	U	U
Carbazole	mg/kg	.49	U	U
Chrysene	mg/kg	.49	U	U
Di-n-butyl phthalate	mg/kg	.49	U	U
Di-n-octyl phthalate	mg/kg	.49	U	U
Dibenz(a,h)anthracene	mg/kg	.49	U	U
Dibenzofuran	mg/kg	.49	U	U
Diethyl phthalate	mg/kg	.49	U	U
Dimethyl phthalate	mg/kg	.49	U	U
Fluoranthene	mg/kg	.49	U	U
Fluorene	mg/kg	.49	U	U
Hexachlorobenzene	mg/kg	.49	U	U
Hexachlorobutadiene	mg/kg	.49	U	U
Hexachlorocyclopentadiene	mg/kg	2.4	U	U

Summary of Validated Sediment Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

Location Code:	RNG-102-SW/SD01			
Associated Site:	RNG-102			
Sample No:	RN1001			
Sample Date:	08-MAR-00			
Sample Depth:	0 - .5			
User Test Group / Lab Method / Parameter	*Units*	*Result*	*Qual*	*VQual*
SEMIVOLATILES				
SW8270_S				
Hexachloroethane	mg/kg	.49	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.49	U	U
Isophorone	mg/kg	.49	U	U
Naphthalene	mg/kg	.49	U	U
Nitrobenzene	mg/kg	.49	U	U
Pentachlorophenol	mg/kg	2.4	U	U
Phenanthrene	mg/kg	.49	U	U
Phenol	mg/kg	.49	U	U
Pyrene	mg/kg	.49	U	U
bis(2-Chloroethoxy)methane	mg/kg	.49	U	U
bis(2-Chloroethyl)ether	mg/kg	.49	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.49	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.29	J B	B
n-Nitroso-di-n-propylamine	mg/kg	.49	U	U
n-Nitrosodiphenylamine	mg/kg	.49	U	U
TOC				
SW9060_S				
Total Organic Carbon	mg/kg	2820		
VOLATILES				
SW8260_S				
1,1,1,2-Tetrachloroethane	mg/kg	.0074	U	U
1,1,1-Trichloroethane	mg/kg	.0074	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0074	U	U
1,1,2-Trichloroethane	mg/kg	.0074	U	U
1,1-Dichloroethane	mg/kg	.0074	U	U
1,1-Dichloroethene	mg/kg	.0074	U	U
1,1-Dichloropropene	mg/kg	.0074	U	U
1,2,3-Trichlorobenzene	mg/kg	.0074	U	U
1,2,3-Trichloropropane	mg/kg	.0074	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.0074	U	U

Summary of Validated Sediment Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

	Location Code:	RNG-102-SW/SD01		
	Associated Site:	RNG-102		
	Sample No:	RN1001		
	Sample Date:	08-MAR-00		
User Test Group	*Sample Depth:*	0 - .5		
Lab Method				
Parameter	*Units*	*Result*	*Qual*	*VQual*
VOLATILES				
SW8260_S				
1,2,4-Trimethylbenzene	mg/kg	.0074	U	U
1,2-Dibromo-3-Chloropropane	mg/kg	.015	U	U
1,2-Dibromoethane	mg/kg	.0074	U	U
1,2-Dichlorobenzene	mg/kg	.0074	U	U
1,2-Dichloroethane	mg/kg	.0074	U	U
1,2-Dichloropropane	mg/kg	.0074	U	U
1,2-Dimethylbenzene	mg/kg	.0074	U	U
1,3,5-Trimethylbenzene	mg/kg	.0074	U	U
1,3-Dichlorobenzene	mg/kg	.0074	U	U
1,3-Dichloropropane	mg/kg	.0074	U	U
1,4-Dichlorobenzene	mg/kg	.0074	U	U
2-Butanone	mg/kg	.029	U	UJ
2-Hexanone	mg/kg	.029	U	UJ
4-Methyl-2-pentanone	mg/kg	.029	U	U
Acetone	mg/kg	.029	U	UJ
Benzene	mg/kg	.0074	U	U
Bromobenzene	mg/kg	.0074	U	U
Bromochloromethane	mg/kg	.0074	U	U
Bromodichloromethane	mg/kg	.0074	U	U
Bromoform	mg/kg	.0074	U	U
Bromomethane	mg/kg	.015	U	R
Carbon disulfide	mg/kg	.0074	U	UJ
Carbon tetrachloride	mg/kg	.0074	U	U
Chlorobenzene	mg/kg	.0074	U	U
Chloroethane	mg/kg	.015	U	UJ
Chloroform	mg/kg	.0074	U	U
Chloromethane	mg/kg	.015	U	UJ
Cumene	mg/kg	.0074	U	U
Dibromochloromethane	mg/kg	.0074	U	U
Dibromomethane	mg/kg	.0074	U	U
Dichlorodifluoromethane	mg/kg	.015	U	U

Summary of Validated Sediment Data
Former Security Operational Test Site (Parcel 102)
Fort McClellan, Alabama

Report Date: 03/19/02

	Location Code:	RNG-102-SW/SD01			
	Associated Site:	RNG-102			
	Sample No:	RN1001			
	Sample Date:	08-MAR-00			
User Test Group	*Sample Depth:*	0 - .5			
Lab Method					
Parameter	*Units*	*Result*	*Qual*	*VQual*	
VOLATILES					
SW8260_S					
Ethylbenzene	mg/kg	.0074	U	U	
Hexachlorobutadiene	mg/kg	.0074	U	U	
Methylene chloride	mg/kg	.005	J B	B	
Naphthalene	mg/kg	.0074	U	U	
Styrene	mg/kg	.0074	U	U	
Tetrachloroethene	mg/kg	.0074	U	U	
Toluene	mg/kg	.0074	U	U	
Trichloroethene	mg/kg	.0074	U	U	
Trichlorofluoromethane	mg/kg	.0043	J	J	
Vinyl chloride	mg/kg	.015	U	U	
cis-1,2-Dichloroethene	mg/kg	.0074	U	U	
cis-1,3-Dichloropropene	mg/kg	.0074	U	U	
m,p-Xylenes	mg/kg	.0074	U	U	
n-Butylbenzene	mg/kg	.0074	U	U	
n-Propylbenzene	mg/kg	.0074	U	U	
o-Chlorotoluene	mg/kg	.0074	U	U	
p-Chlorotoluene	mg/kg	.0074	U	U	
p-Cymene	mg/kg	.0074	U	U	
sec-Butylbenzene	mg/kg	.0074	U	U	
sec-Dichloropropane	mg/kg	.0074	U	UJ	
tert-Butylbenzene	mg/kg	.0074	U	U	
trans-1,2-Dichloroethene	mg/kg	.0074	U	U	
trans-1,3-Dichloropropene	mg/kg	.0074	U	U	

GRAIN SIZE ANALYSIS

Duane Nielsen
IT Corpration
August 11, 2000
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(865) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

RNG-102-SW/SD01

Project Name: Fort McClellan
Client Sample No.: RN1001

Project No.: 774645.01020300
IT Lab Sample No.: ETDC-8658

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 37.8%
based on dry sample weight

SIEVE ANALYSIS

COARSE	Sieve No.	Diameter mm	Percent Finer
	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	93.5%
	0.375"	9.500	88.9%
	#4	4.750	84.9%
	#10	2.000	80.9%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	78.1%
	#40	0.425	75.5%
	#60	0.250	71.5%
	#100	0.149	66.7%
	#140	0.106	64.6%
	#200	0.075	62.7%

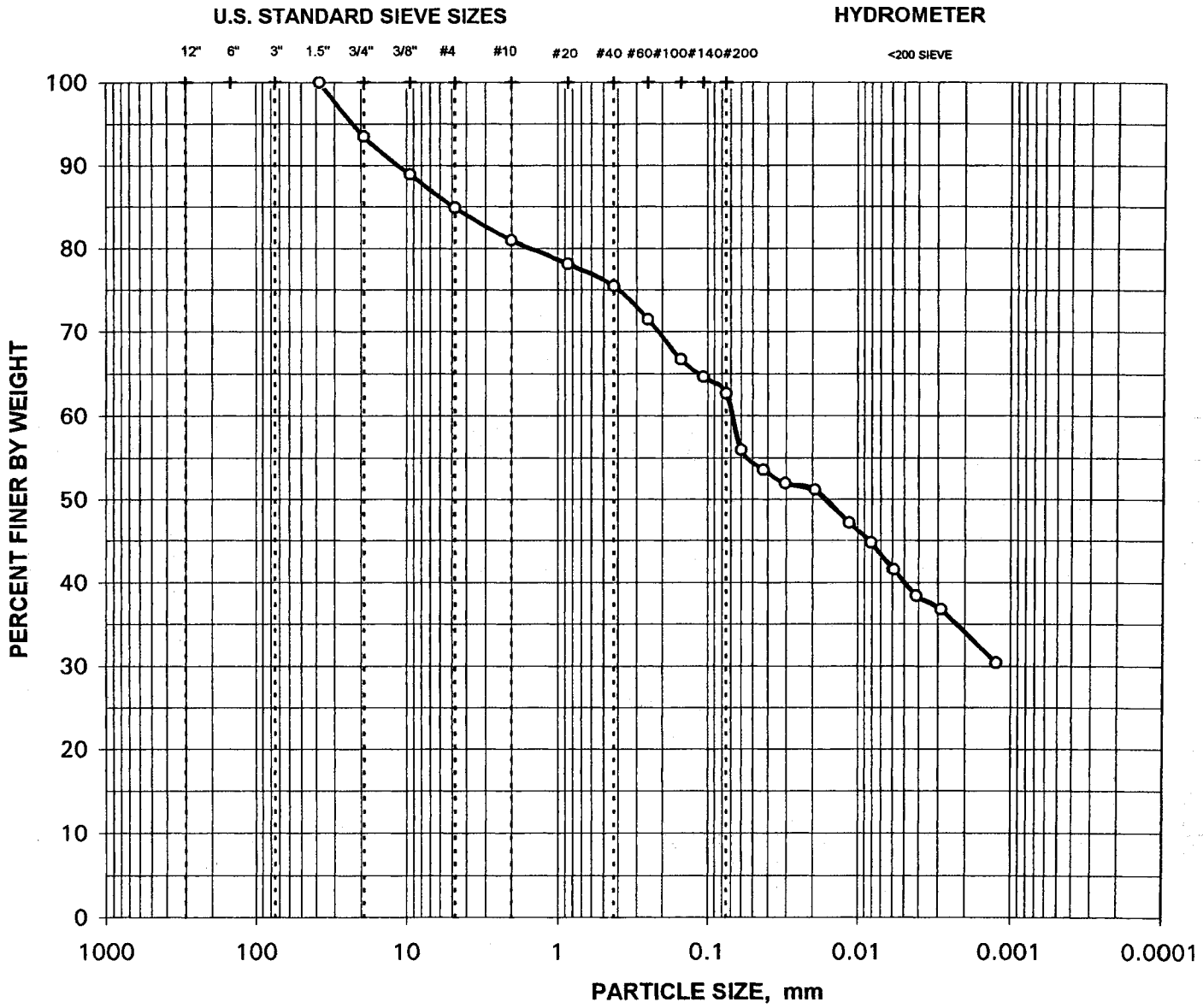
HYDROMETER ANALYSIS

HYDROMETER	Diameter mm	Percent Finer
	0.05907	55.9%
	0.04220	53.5%
	0.03014	51.9%
	0.01916	51.1%
	0.01128	47.1%
	0.00805	44.7%
	0.00580	41.5%
	0.00415	38.4%
	0.00286	36.8%
	0.00124	30.4%

Duane Nielsen
IT Corpration
August 11, 2000
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(865) 482-6497

Fort McClellan



CLIENT SAMPLE NO.: RN1001

IT LAB SAMPLE NO.: ETDC-8658

BOULDERS	COBBLES	GRAVEL		SAND			
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT 2 - 75 microns CLAY <2 microns