

APPENDIX G.2
SEDIMENT RESULTS (BY LOCATION)

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
Station: B12sd-003(d) At effluent pipe outfall

Northing: 19081.00
Easting: 149940.00
Elevation:

B12sd-003(d)-0382-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	8020	MG/KG	=		
REG	Arsenic	9.5	MG/KG	=		
REG	Barium	66.4	MG/KG	=		
REG	Cadmium	0.27	MG/KG	B	J	
REG	Chromium	11	MG/KG	=		
REG	Lead	14.3	MG/KG	=		
REG	Manganese	112	MG/KG	=		
REG	Mercury	0.05	MG/KG	U	U	
REG	Selenium	1.6	MG/KG	=		
REG	Silver	0.28	MG/KG	U	U	
REG	Zinc	83	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	290	UG/KG	=		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	C08
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	36200	MG/KG	=		

Location: Building 1200
Station: B12sd-004(d) From drainage channel at ~100 ft intervals between

Northing: 19112.00
Easting: 150019.00
Elevation:

B12sd-004(d)-0383-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature	85	DEG F			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Aluminum	13700	MG/KG	=			
REG	Arsenic	13.7	MG/KG	=			
REG	Barium	86.5	MG/KG	=			
REG	Cadmium	0.28	MG/KG	B	J		
REG	Chromium	17.9	MG/KG	=			
REG	Lead	18	MG/KG	=			
REG	Manganese	168	MG/KG	=			
REG	Mercury	0.06	MG/KG	U	U		
REG	Selenium	1.3	MG/KG	=			
REG	Silver	0.34	MG/KG	U	U		
REG	Zinc	92.5	MG/KG	=			

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	370	UG/KG	=		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	C08
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
 Station : B12sd-004(d) From drainage channel at ~100 ft intervals between

Northing: 19112.00
 Easting: 150019.00
 Elevation:

B12sd-004(d)-0383-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature	85	DEG F			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	14400	MG/KG	=			

Location: Building 1200
 Station : B12sd-005(d) From drainage channel at ~100 ft intervals between

Northing: 19152.00
 Easting: 150119.00
 Elevation:

B12sd-005(d)-0384-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature	85	DEG F			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.13	MG/KG	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	10800	MG/KG	=			
REG	Antimony	0.4	MG/KG	UN*	U		
REG	Arsenic	11.9	MG/KG	=			
REG	Barium	64.5	MG/KG	N*	=		
REG	Beryllium	0.45	MG/KG	=			
REG	Cadmium	0.09	MG/KG	B*	J		
REG	Calcium	828	MG/KG	=			
REG	Chromium	13	MG/KG	*	=		
REG	Cobalt	4	MG/KG	=			
REG	Copper	13.2	MG/KG	N*	=		
REG	Iron	21800	MG/KG	=			
REG	Lead	11.9	MG/KG	*	=		
REG	Magnesium	1470	MG/KG	=			
REG	Manganese	142	MG/KG	=			
REG	Mercury	0.04	MG/KG	U	U		
REG	Nickel	10.4	MG/KG	=			
REG	Potassium	757	MG/KG	=			
REG	Selenium	0.57	MG/KG	B	J		
REG	Silver	0.26	MG/KG	U	U		
REG	Sodium	210	MG/KG	B	J		
REG	Thallium	0.93	MG/KG	=			
REG	Vanadium	20.4	MG/KG	=			
REG	Zinc	39.2	MG/KG	*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	C08	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	3.3	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
 Station: B12sd-005(d) From drainage channel at ~100 ft intervals between

Northing: 19152.00
 Easting: 150119.00
 Elevation:

B12sd-005(d)-0384-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature		85		DEG F			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	4,4'-DDE	3.3	UG/KG	U	U				
REG	4,4'-DDT	3.3	UG/KG	U	U				
REG	Aldrin	1.7	UG/KG	U	U				
REG	Alpha Chlordane	1.7	UG/KG	U	U				
REG	Alpha-BHC	1.7	UG/KG	U	U				
REG	Aroclor-1016	44	UG/KG	U	U				
REG	Aroclor-1221	44	UG/KG	U	U				
REG	Aroclor-1232	44	UG/KG	U	U				
REG	Aroclor-1242	44	UG/KG	U	U				
REG	Aroclor-1248	44	UG/KG	U	U				
REG	Aroclor-1254	89	UG/KG	U	U				
REG	Aroclor-1260	89	UG/KG	U	U				
REG	Beta-BHC	1.7	UG/KG	U	U				
REG	Delta-BHC	1.7	UG/KG	U	U				
REG	Dieldrin	3.3	UG/KG	U	U				
REG	Endosulfan I	1.7	UG/KG	U	U				
REG	Endosulfan II	3.3	UG/KG	U	U				
REG	Endosulfan Sulfate	3.3	UG/KG	U	U				
REG	Endrin	3.3	UG/KG	U	U				
REG	Endrin Aldehyde	3.3	UG/KG	U	U				
REG	Endrin Ketone	3.3	UG/KG	U	U				
REG	Gamma Chlordane	1.7	UG/KG	U	U				
REG	Gamma-BHC (Lindane)	1.7	UG/KG	U	U				
REG	Heptachlor	1.7	UG/KG	U	U				
REG	Heptachlor Epoxide	1.7	UG/KG	U	U				
REG	Methoxychlor	17	UG/KG	U	U				
REG	Toxaphene	110	UG/KG	U	U				
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	1,2,4-Trichlorobenzene	440	UG/KG	U	U				
REG	1,2-Dichlorobenzene	440	UG/KG	U	U				
REG	1,3-Dichlorobenzene	440	UG/KG	U	U				
REG	1,4-Dichlorobenzene	440	UG/KG	U	U				
REG	2,2'-oxybis (1-chloropropane)	440	UG/KG	U	U				
REG	2,4,5-Trichlorophenol	1100	UG/KG	U	U				
REG	2,4,6-Trichlorophenol	440	UG/KG	U	U				
REG	2,4-Dichlorophenol	440	UG/KG	U	U				
REG	2,4-Dimethylphenol	440	UG/KG	U	U				
REG	2,4-Dinitrophenol	1100	UG/KG	U	U				
REG	2-Chloronaphthalene	440	UG/KG	U	U				
REG	2-Chlorophenol	440	UG/KG	U	U				
REG	2-Methylnaphthalene	440	UG/KG	U	U				
REG	2-Methylphenol	440	UG/KG	U	U				
REG	2-Nitroaniline	1100	UG/KG	U	U				
REG	2-Nitrophenol	440	UG/KG	U	U				
REG	3,3'-Dichlorobenzidine	1100	UG/KG	U	U				
REG	3-Nitroaniline	1100	UG/KG	U	U				
REG	4,6-Dinitro-o-Cresol	440	UG/KG	U	U				
REG	4-Bromophenyl-phenyl Ether	440	UG/KG	U	U				
REG	4-Chloroaniline	440	UG/KG	U	U				
REG	4-Chlorophenyl-phenylether	440	UG/KG	U	U				
REG	4-Methylphenol	440	UG/KG	U	U				
REG	4-Nitroaniline	1100	UG/KG	U	U				
REG	4-Nitrophenol	1100	UG/KG	U	U				
REG	4-chloro-3-methylphenol	440	UG/KG	U	U				
REG	Acenaphthene	440	UG/KG	U	U				
REG	Acenaphthylene	440	UG/KG	U	U				
REG	Anthracene	440	UG/KG	U	U				
REG	Benzo(a)anthracene	440	UG/KG	U	U				
REG	Benzo(a)pyrene	440	UG/KG	U	U				
REG	Benzo(b)fluoranthene	440	UG/KG	U	U				
REG	Benzo(g,h,i)perylene	440	UG/KG	U	U				
REG	Benzo(k)fluoranthene	440	UG/KG	U	U				

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
 Station: B12sd-005(d) From drainage channel at ~100 ft intervals between

Northing: 19152.00
 Easting: 150119.00
 Elevation:

B12sd-005(d)-0384-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature	85	DEG F			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Bis(2-chloroethoxy)methane	440	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	440	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	440	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	440	UG/KG	U	U		
REG	Carbazole	440	UG/KG	U	U		
REG	Chrysene	440	UG/KG	U	U		
REG	Di-n-butyl Phthalate	440	UG/KG	U	U		
REG	Di-n-octyl Phthalate	440	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	440	UG/KG	U	U		
REG	Dibenzofuran	440	UG/KG	U	U		
REG	Diethyl Phthalate	440	UG/KG	U	U		
REG	Dimethyl Phthalate	440	UG/KG	U	U		
REG	Fluoranthene	440	UG/KG	U	U		
REG	Fluorene	440	UG/KG	U	U		
REG	Hexachlorobenzene	440	UG/KG	U	U		
REG	Hexachlorobutadiene	440	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	440	UG/KG	U	U		
REG	Hexachloroethane	440	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	440	UG/KG	U	U		
REG	Isophorone	440	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	440	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	440	UG/KG	U	U		
REG	Naphthalene	440	UG/KG	U	U		
REG	Pentachlorophenol	1100	UG/KG	U	U		
REG	Phenanthrene	440	UG/KG	U	U		
REG	Phenol	440	UG/KG	U	U		
REG	Pyrene	440	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	17500	MG/KG	=			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	7	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	7	UG/KG	U	U		
REG	1,1,2-Trichloroethane	7	UG/KG	U	U		
REG	1,1-Dichloroethane	7	UG/KG	U	U		
REG	1,1-Dichloroethene	7	UG/KG	U	U		
REG	1,2-Dichloroethane	7	UG/KG	U	U		
REG	1,2-Dichloropropane	7	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	7	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	7	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	7	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	7	UG/KG	U	U		
REG	2-Butanone	7	UG/KG	U	U		
REG	2-Hexanone	7	UG/KG	U	U		
REG	4-Methyl-2-pentanone	7	UG/KG	U	U		
REG	Acetone	7	UG/KG	U	U		
REG	Benzene	7	UG/KG	U	U		
REG	Bromodichloromethane	7	UG/KG	U	U		
REG	Bromoform	7	UG/KG	U	U		
REG	Bromomethane	7	UG/KG	U	U		
REG	Carbon Disulfide	7	UG/KG	U	U		
REG	Carbon Tetrachloride	7	UG/KG	U	U		
REG	Chlorobenzene	7	UG/KG	U	U		
REG	Chloroethane	7	UG/KG	U	UJ	C02	
REG	Chloroform	7	UG/KG	U	U		
REG	Chloromethane	7	UG/KG	U	U		
REG	Dibromochloromethane	7	UG/KG	U	U		
REG	Ethylbenzene	7	UG/KG	U	U		
REG	Methylene Chloride	7	UG/KG	U	U		
REG	Styrene	7	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
 Station : B12sd-005(d) From drainage channel at ~100 ft intervals between

Northing: 19152.00
 Easting: 150119.00
 Elevation:

B12sd-005(d)-0384-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature		85		DEG F	
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Tetrachloroethene	7	UG/KG	U	U		
REG	Toluene	7	UG/KG	U	U		
REG	Trichloroethene	7	UG/KG	U	U		
REG	Vinyl Chloride	7	UG/KG	U	U		
REG	Xylenes, Total	7	UG/KG	U	U		
REG	o-Xylene	7	UG/KG	U	U		

Location: Building 1200
 Station : B12sd-006(d) From drainage channel at ~100 ft intervals between

Northing: 19168.00
 Easting: 150210.00
 Elevation:

B12sd-006(d)-0385-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature		85		DEG F	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9940	MG/KG	=			
REG	Arsenic	11.8	MG/KG	=			
REG	Barium	69.4	MG/KG	=			
REG	Cadmium	0.51	MG/KG	B	J		
REG	Chromium	13	MG/KG	=			
REG	Lead	14.3	MG/KG	=			
REG	Manganese	202	MG/KG	=			
REG	Mercury	0.1	MG/KG	U	U		
REG	Selenium	1.1	MG/KG	B	J		
REG	Silver	0.55	MG/KG	U	U		
REG	Zinc	64.3	MG/KG	=			

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	280	UG/KG	P	J	M07	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	C08	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	46800	MG/KG	=			

Location: Building 1200
 Station : B12sd-007(d) From drainage channel at ~100 ft intervals between

Northing: 19201.00
 Easting: 150299.00
 Elevation:

B12sd-007(d)-0386-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature		85		DEG F	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	11200	MG/KG	=			
REG	Arsenic	10.7	MG/KG	=			
REG	Barium	89.9	MG/KG	=			
REG	Cadmium	0.15	MG/KG	B	J		
REG	Chromium	12.7	MG/KG	=			
REG	Lead	19	MG/KG	=			
REG	Manganese	679	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
 Station : B12sd-007(d) From drainage channel at ~100 ft intervals between

Northing: 19201.00
 Easting: 150299.00
 Elevation:

B12sd-007(d)-0386-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/24/96

Field Measurements		Air Temperature	85	DEG F				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Mercury	0.04	MG/KG		U			
REG	Selenium	0.84	MG/KG		=			
REG	Silver	0.22	MG/KG	U	U			
REG	Zinc	66.5	MG/KG		=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	C08		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	19700	MG/KG		=			

Location: Building 1200
 Station : B12sd-008(p) Settling pond along drainage axis of former pond

Northing: 19210.00
 Easting: 150321.00
 Elevation:

B12sd-008(p)-0387-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/25/96

Field Measurements		Air Temperature	85	DEG F				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	10700	MG/KG		=			
REG	Arsenic	4.5	MG/KG		=			
REG	Barium	101	MG/KG		=			
REG	Cadmium	0.22	MG/KG	B	J			
REG	Chromium	15.1	MG/KG		=			
REG	Lead	13.6	MG/KG		=			
REG	Manganese	176	MG/KG		=			
REG	Mercury	0.1	MG/KG	U	U			
REG	Selenium	1	MG/KG	B	J			
REG	Silver	0.56	MG/KG	U	U			
REG	Zinc	71.7	MG/KG		=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	1100	UG/KG		=			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	C08		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
Station : B12sd-008(p) Settling pond along drainage axis of former pond

Northing: 19210.00
Easting: 150321.00
Elevation:

B12sd-008(p)-0387-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/25/96

Field Measurements		Air Temperature	72	DEG F			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	48500	MG/KG	=			

B12sd-008(p)-0388-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 07/25/96

Field Measurements		Air Temperature	72	DEG F			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	13400	MG/KG	=			
REG	Arsenic	5.7	MG/KG	=			
REG	Barium	122	MG/KG	=			
REG	Cadmium	0.24	MG/KG	B	J		
REG	Chromium	18.9	MG/KG	=			
REG	Lead	16.3	MG/KG	=			
REG	Manganese	213	MG/KG	=			
REG	Mercury	0.1	MG/KG	U	U		
REG	Selenium	1	MG/KG	B	J		
REG	Silver	0.55	MG/KG	U	U		
REG	Zinc	88.5	MG/KG	=			

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	310	UG/KG	P	J	M07
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	C08
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	47900	MG/KG	=		

Location: Building 1200
Station : B12sd-009(p) Settling pond along drainage axis of former pond

Northing: 19219.00
Easting: 150349.00
Elevation:

B12sd-009(p)-0390-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/25/96

Field Measurements		Air Temperature	72	DEG F			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.11	MG/KG	U	U		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11900	MG/KG	=		
REG	Antimony	0.32	MG/KG	UN*	U	
REG	Arsenic	17.6	MG/KG	=		
REG	Barium	80.7	MG/KG	N*	=	
REG	Beryllium	0.84	MG/KG	=		
REG	Cadmium	0.14	MG/KG	B*	J	
REG	Calcium	562	MG/KG	=		
REG	Chromium	16.2	MG/KG	*	=	
REG	Cobalt	12.7	MG/KG	=		
REG	Copper	22.5	MG/KG	N*	=	
REG	Iron	28700	MG/KG	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
 Station : B12sd-009(p) Settling pond along drainage axis of former pond

Northing: 19219.00
 Easting: 150349.00
 Elevation:

B12sd-009(p)-0390-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/25/96

Field Measurements		Air Temperature	72	DEG F				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Lead	13.2	MG/KG	*	=			
REG	Magnesium	3760	MG/KG		=			
REG	Manganese	240	MG/KG		=			
REG	Mercury	0.04	MG/KG	U	U			
REG	Nickel	29.8	MG/KG		=			
REG	Potassium	1210	MG/KG		=			
REG	Selenium	0.78	MG/KG		=			
REG	Silver	0.2	MG/KG	U	U			
REG	Sodium	186	MG/KG	B	J			
REG	Thallium	1.4	MG/KG		=			
REG	Vanadium	18.7	MG/KG		=			
REG	Zinc	64.8	MG/KG	*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	2200	UG/KG		=			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	C08		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	4,4'-DDD	2.6	UG/KG	U	U			
REG	4,4'-DDE	2.6	UG/KG	U	U			
REG	4,4'-DDT	2.6	UG/KG	U	U			
REG	Aldrin	1.4	UG/KG	U	U			
REG	Alpha Chlordane	1.4	UG/KG	U	U			
REG	Alpha-BHC	1.4	UG/KG	U	U			
REG	Aroclor-1016	35	UG/KG	U	U			
REG	Aroclor-1221	35	UG/KG	U	U			
REG	Aroclor-1232	35	UG/KG	U	U			
REG	Aroclor-1242	35	UG/KG	U	U			
REG	Aroclor-1248	35	UG/KG	U	U			
REG	Aroclor-1254	70	UG/KG	U	U			
REG	Aroclor-1260	70	UG/KG	U	U			
REG	Beta-BHC	1.4	UG/KG	U	U			
REG	Delta-BHC	1.4	UG/KG	U	U			
REG	Dieldrin	2.6	UG/KG	U	U			
REG	Endosulfan I	1.4	UG/KG	U	U			
REG	Endosulfan II	2.6	UG/KG	U	U			
REG	Endosulfan Sulfate	2.6	UG/KG	U	U			
REG	Endrin	2.6	UG/KG	U	U			
REG	Endrin Aldehyde	2.6	UG/KG	U	U			
REG	Endrin Ketone	2.6	UG/KG	U	U			
REG	Gamma Chlordane	1.4	UG/KG	U	U			
REG	Gamma-BHC (Lindane)	1.4	UG/KG	U	U			
REG	Heptachlor	1.4	UG/KG	U	U			
REG	Heptachlor Epoxide	1.4	UG/KG	U	U			
REG	Methoxychlor	14	UG/KG	U	U			
REG	Toxaphene	87	UG/KG	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	350	UG/KG	U	U			
REG	1,2-Dichlorobenzene	350	UG/KG	U	U			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
Station: B12sd-009(p) Settling pond along drainage axis of former pond

Northing: 19219.00
Easting: 150349.00
Elevation:

B12sd-009(p)-0390-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/25/96

Field Measurements		Air Temperature	72	DEG F	Qualifiers		Validation
Sample Type	Semi-Volatile Organics	Result	Units	Lab	Data	Code	
REG	1,3-Dichlorobenzene	350	UG/KG	U	U		
REG	1,4-Dichlorobenzene	350	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	350	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	840	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	350	UG/KG	U	U		
REG	2,4-Dichlorophenol	350	UG/KG	U	U		
REG	2,4-Dimethylphenol	350	UG/KG	U	U		
REG	2,4-Dinitrophenol	840	UG/KG	U	U		
REG	2-Chloronaphthalene	350	UG/KG	U	U		
REG	2-Chlorophenol	350	UG/KG	U	U		
REG	2-Methylnaphthalene	350	UG/KG	U	U		
REG	2-Methylphenol	350	UG/KG	U	U		
REG	2-Nitroaniline	840	UG/KG	U	U		
REG	2-Nitrophenol	350	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	840	UG/KG	U	U		
REG	3-Nitroaniline	840	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	350	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	350	UG/KG	U	U		
REG	4-Chloroaniline	350	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	350	UG/KG	U	U		
REG	4-Methylphenol	350	UG/KG	U	U		
REG	4-Nitroaniline	840	UG/KG	U	U		
REG	4-Nitrophenol	840	UG/KG	U	U		
REG	4-chloro-3-methylphenol	350	UG/KG	U	U		
REG	Acenaphthene	350	UG/KG	U	U		
REG	Acenaphthylene	350	UG/KG	U	U		
REG	Anthracene	350	UG/KG	U	U		
REG	Benzo(a)anthracene	350	UG/KG	U	U		
REG	Benzo(a)pyrene	350	UG/KG	U	U		
REG	Benzo(b)fluoranthene	350	UG/KG	U	U		
REG	Benzo(g,h,i)perylene	350	UG/KG	U	U		
REG	Benzo(k)fluoranthene	350	UG/KG	U	U		
REG	Bis(2-chloroethoxy)methane	350	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	350	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	350	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	350	UG/KG	U	U		
REG	Carbazole	350	UG/KG	U	U		
REG	Chrysene	350	UG/KG	U	U		
REG	Di-n-butyl Phthalate	350	UG/KG	U	U		
REG	Di-n-octyl Phthalate	350	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	350	UG/KG	U	U		
REG	Dibenzofuran	350	UG/KG	U	U		
REG	Diethyl Phthalate	350	UG/KG	U	U		
REG	Dimethyl Phthalate	350	UG/KG	U	U		
REG	Fluoranthene	350	UG/KG	U	U		
REG	Fluorene	350	UG/KG	U	U		
REG	Hexachlorobenzene	350	UG/KG	U	U		
REG	Hexachlorobutadiene	350	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	350	UG/KG	U	U		
REG	Hexachloroethane	350	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	350	UG/KG	U	U		
REG	Isophorone	350	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	350	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	350	UG/KG	U	U		
REG	Naphthalene	350	UG/KG	U	U		
REG	Pentachlorophenol	840	UG/KG	U	U		
REG	Phenanthrene	350	UG/KG	U	U		
REG	Phenol	350	UG/KG	U	U		
REG	Pyrene	350	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Organic Carbon	2910	MG/KG	=			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane		5 UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane		5 UG/KG	U	U	
REG	1,1,2-Trichloroethane		5 UG/KG	U	U	
REG	1,1-Dichloroethane		5 UG/KG	U	U	
REG	1,1-Dichloroethene		5 UG/KG	U	U	
REG	1,2-Dichloroethane		5 UG/KG	U	U	
REG	1,2-Dichloropropane		5 UG/KG	U	U	
REG	1,2-cis-Dichloroethene		5 UG/KG	U	U	
REG	1,2-trans-Dichloroethene		5 UG/KG	U	U	
REG	1,3-cis-Dichloropropene		5 UG/KG	U	U	
REG	1,3-trans-Dichloropropene		5 UG/KG	U	U	
REG	2-Butanone		5 UG/KG	U	UJ	C05
REG	2-Hexanone		5 UG/KG	U	U	
REG	4-Methyl-2-pentanone		5 UG/KG	U	U	
REG	Acetone	73	UG/KG		J	C02,C04,C05
REG	Benzene		5 UG/KG	U	U	
REG	Bromodichloromethane		5 UG/KG	U	U	
REG	Bromoform		5 UG/KG	U	U	
REG	Bromomethane		5 UG/KG	U	UJ	C05
REG	Carbon Disulfide		5 UG/KG	U	U	
REG	Carbon Tetrachloride		5 UG/KG	U	U	
REG	Chlorobenzene		5 UG/KG	U	U	
REG	Chloroethane		5 UG/KG	U	UJ	C02
REG	Chloroform		5 UG/KG	U	U	
REG	Chloromethane		5 UG/KG	U	U	
REG	Dibromochloromethane		5 UG/KG	U	U	
REG	Ethylbenzene		5 UG/KG	U	U	
REG	Methylene Chloride	24	UG/KG	B	U	F01, F07
REG	Styrene		5 UG/KG	U	U	
REG	Tetrachloroethene		5 UG/KG	U	U	
REG	Toluene		5 UG/KG	U	U	
REG	Trichloroethene		5 UG/KG	U	U	
REG	Vinyl Chloride		5 UG/KG	U	U	
REG	Xylenes, Total		5 UG/KG	U	U	
REG	o-Xylene		5 UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station: DA2sd-031(d) Sand Creek - from creek upgradient of demolition a

Northing: 13873.00
 Easting: 133096.00
 Elevation:

DA2sd-031(d)-0634-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/08/96

Field Measurements		Air Temperature	72	DEG F		
Sample Type	Cyanide	Result	Units	Qualifiers Lab Data		Validation Code
REG	Cyanide	0.15	MG/KG	B	J	F06
Sample Type	Metals	Result	Units	Qualifiers Lab Data		Validation Code
REG	Aluminum	1320	MG/KG	*	=	
REG	Antimony	0.31	MG/KG	U	U	
REG	Arsenic	3.1	MG/KG	N*	J	I06
REG	Barium	8	MG/KG	*	=	
REG	Beryllium	0.13	MG/KG	B	U	
REG	Cadmium	0.08	MG/KG	B	U	
REG	Calcium	387	MG/KG	*	=	
REG	Chromium	2.2	MG/KG	*	=	
REG	Cobalt	2	MG/KG	B	J	D10
REG	Copper	3.6	MG/KG	*	=	
REG	Iron	4730	MG/KG	*	=	
REG	Lead	2.9	MG/KG	*	=	
REG	Magnesium	469	MG/KG	*	=	
REG	Manganese	87.6	MG/KG	N*	J	I06
REG	Mercury	0.03	MG/KG	U	U	
REG	Nickel	4	MG/KG	B	J	F06
REG	Potassium	250	MG/KG	B	J	F06
REG	Selenium	0.31	MG/KG	U	U	
REG	Silver	0.2	MG/KG	U	U	
REG	Sodium	153	MG/KG	B	J	F06
REG	Thallium	0.4	MG/KG	B	J	F06
REG	Vanadium	2.6	MG/KG	*	=	
REG	Zinc	16.4	MG/KG	*	=	
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab Data		Validation Code
REG	4,4'-DDD	2.6	UG/KG	U	UJ	C08
REG	4,4'-DDE	2.6	UG/KG	U	U	
REG	4,4'-DDT	2.6	UG/KG	U	UJ	C08
REG	Aldrin	1.4	UG/KG	U	U	
REG	Alpha Chlordane	1.4	UG/KG	U	U	
REG	Alpha-BHC	1.4	UG/KG	U	U	
REG	Aroclor-1016	34	UG/KG	U	U	
REG	Aroclor-1221	34	UG/KG	U	U	
REG	Aroclor-1232	34	UG/KG	U	U	
REG	Aroclor-1242	34	UG/KG	U	U	
REG	Aroclor-1248	34	UG/KG	U	U	
REG	Aroclor-1254	70	UG/KG	U	U	
REG	Aroclor-1260	70	UG/KG	U	U	
REG	Beta-BHC	1.4	UG/KG	U	U	
REG	Delta-BHC	1.4	UG/KG	U	U	
REG	Dieldrin	2.6	UG/KG	U	U	
REG	Endosulfan I	1.4	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Annunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2sd-031(d) Sand Creek - from creek upgradient of demolition a

Northing: 13873.00
 Easting: 133096.00
 Elevation:

DA2sd-031(d)-0634-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/08/96

Field Measurements		Air Temperature	85	DEG F				
		Head Space	12.6	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Endosulfan II	2.6	UG/KG	U	U			
REG	Endosulfan Sulfate	2.6	UG/KG	U	U			
REG	Endrin	2.6	UG/KG	U	U			
REG	Endrin Aldehyde	2.6	UG/KG	U	U			
REG	Endrin Ketone	2.6	UG/KG	U	U			
REG	Gamma Chlordane	1.4	UG/KG	U	U			
REG	Gamma-BHC (Lindane)	1.4	UG/KG	U	U			
REG	Heptachlor	1.4	UG/KG	U	U			
REG	Heptachlor Epoxide	1.4	UG/KG	U	U			
REG	Methoxychlor	14	UG/KG	U	UJ	C08		
REG	Toxaphene	86	UG/KG	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	340	UG/KG	U	U			
REG	1,2-Dichlorobenzene	340	UG/KG	U	U			
REG	1,3-Dichlorobenzene	340	UG/KG	U	U			
REG	1,4-Dichlorobenzene	340	UG/KG	U	U			
REG	2,2'-oxybis (1-chloropropane)	340	UG/KG	U	U			
REG	2,4,5-Trichlorophenol	830	UG/KG	U	U			
REG	2,4,6-Trichlorophenol	340	UG/KG	U	U			
REG	2,4-Dichlorophenol	340	UG/KG	U	U			
REG	2,4-Dimethylphenol	340	UG/KG	U	U			
REG	2,4-Dinitrophenol	830	UG/KG	U	U			
REG	2-Chloronaphthalene	340	UG/KG	U	U			
REG	2-Chlorophenol	340	UG/KG	U	U			
REG	2-Methylnaphthalene	340	UG/KG	U	U			
REG	2-Methylphenol	340	UG/KG	U	U			
REG	2-Nitroaniline	830	UG/KG	U	U			
REG	2-Nitrophenol	340	UG/KG	U	U			
REG	3,3'-Dichlorobenzidine	830	UG/KG	U	U			
REG	3-Nitroaniline	830	UG/KG	U	U			
REG	4,6-Dinitro-o-Cresol	340	UG/KG	U	U			
REG	4-Bromophenyl-phenyl Ether	340	UG/KG	U	U			
REG	4-Chloroaniline	340	UG/KG	U	U			
REG	4-Chlorophenyl-phenylether	340	UG/KG	U	U			
REG	4-Methylphenol	340	UG/KG	U	U			
REG	4-Nitroaniline	830	UG/KG	U	U			
REG	4-Nitrophenol	830	UG/KG	U	U			
REG	4-chloro-3-methylphenol	340	UG/KG	U	U			
REG	Acenaphthene	340	UG/KG	U	U			
REG	Acenaphthylene	340	UG/KG	U	U			
REG	Anthracene	340	UG/KG	U	U			
REG	Benzo(a)anthracene	340	UG/KG	U	U			
REG	Benzo(a)pyrene	340	UG/KG	U	U			
REG	Benzo(b)fluoranthene	340	UG/KG	U	U			
REG	Benzo(g,h,i)perylene	340	UG/KG	U	U			
REG	Benzo(k)fluoranthene	340	UG/KG	U	U			
REG	Bis(2-chloroethoxy)methane	340	UG/KG	U	U			
REG	Bis(2-chloroethyl)ether	340	UG/KG	U	U			
REG	Bis(2-ethylhexyl)phthalate	340	UG/KG	U	U			
REG	Butyl Benzyl Phthalate	340	UG/KG	U	U			
REG	Carbazole	340	UG/KG	U	U			
REG	Chrysene	340	UG/KG	U	U			
REG	Di-n-butyl Phthalate	340	UG/KG	U	U			
REG	Di-n-octyl Phthalate	340	UG/KG	U	U			
REG	Dibenzo(a,h)anthracene	340	UG/KG	U	U			
REG	Dibenzofuran	340	UG/KG	U	U			
REG	Diethyl Phthalate	340	UG/KG	U	U			
REG	Dimethyl Phthalate	340	UG/KG	U	U			
REG	Fluoranthene	340	UG/KG	U	U			
REG	Fluorene	340	UG/KG	U	U			
REG	Hexachlorobenzene	340	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Annunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2sd-031(d) Sand Creek - from creek upgradient of demolition a

Northing: 13873.00
 Easting: 133096.00
 Elevation:

DA2sd-031(d)-0634-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/08/96

Field Measurements		Air Temperature	85	DEG F			
		Head Space	12.6	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Hexachlorobutadiene	340	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	340	UG/KG	U	U		
REG	Hexachloroethane	340	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	340	UG/KG	U	U		
REG	Isophorone	340	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	340	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	340	UG/KG	U	U		
REG	Naphthalene	340	UG/KG	U	U		
REG	Pentachlorophenol	830	UG/KG	U	U		
REG	Phenanthrene	340	UG/KG	U	U		
REG	Phenol	340	UG/KG	U	U		
REG	Pyrene	340	UG/KG	U	U		
Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,1,1-Trichloroethane	5	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/KG	U	U		
REG	1,1,2-Trichloroethane	5	UG/KG	U	U		
REG	1,1-Dichloroethane	5	UG/KG	U	U		
REG	1,1-Dichloroethene	5	UG/KG	U	U		
REG	1,2-Dichloroethane	5	UG/KG	U	U		
REG	1,2-Dichloropropane	5	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	5	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	5	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	5	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	5	UG/KG	U	U		
REG	2-Butanone	5	UG/KG	U	UJ		C05
REG	2-Hexanone	5	UG/KG	U	UJ		C05
REG	4-Methyl-2-pentanone	5	UG/KG	U	U		
REG	Acetone	5	UG/KG	U	R		C04,C05
REG	Benzene	5	UG/KG	U	U		
REG	Bromodichloromethane	5	UG/KG	U	U		
REG	Bromoform	5	UG/KG	U	U		
REG	Bromomethane	5	UG/KG	U	U		
REG	Carbon Disulfide	5	UG/KG	U	U		
REG	Carbon Tetrachloride	5	UG/KG	U	U		
REG	Chlorobenzene	5	UG/KG	U	U		
REG	Chloroethane	5	UG/KG	U	UJ		C02
REG	Chloroform	2	UG/KG	J	J		
REG	Chloromethane	5	UG/KG	U	U		
REG	Dibromochloromethane	5	UG/KG	U	U		
REG	Ethylbenzene	5	UG/KG	U	U		
REG	Methylene Chloride	6	UG/KG	B	U		F01,F07
REG	Styrene	5	UG/KG	U	U		
REG	Tetrachloroethene	5	UG/KG	U	U		
REG	Toluene	5	UG/KG	U	U		
REG	Trichloroethene	5	UG/KG	U	U		
REG	Vinyl Chloride	5	UG/KG	U	U		
REG	Xylenes, Total	5	UG/KG	U	U		
REG	o-Xylene	5	UG/KG	U	U		

Location: Demolition Area No. 2
 Station : DA2sd-032(d) Sand Creek - from creek adjacent to demolition are

Northing: 13928.00
 Easting: 133421.00
 Elevation:

DA2sd-032(d)-0644-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/08/96

Field Measurements		Air Temperature	85	DEG F			
		Head Space	12.6	PPM			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Aluminum	1470	MG/KG	=	=		
REG	Arsenic	3.9	MG/KG	=	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station: DA2sd-032(d) Sand Creek - from creek adjacent to demolition are

Northing: 13928.00
 Easting: 133421.00
 Elevation:

DA2sd-032(d)-0644-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/08/96

Field Measurements		Air Temperature	80	DEG F				
		Head Space	6.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Barium	9.8	MG/KG	=				
REG	Cadmium	0.1	MG/KG	B	J	F06		
REG	Chromium	2.8	MG/KG	=				
REG	Lead	5	MG/KG	=				
REG	Manganese	125	MG/KG	=				
REG	Mercury	0.04	MG/KG	U	U			
REG	Selenium	0.37	MG/KG	U	U			
REG	Silver	0.23	MG/KG	U	U			
REG	Zinc	18.7	MG/KG	=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	1240	MG/KG	=				

DA2sd-032(d)-0645-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/08/96

Field Measurements		Air Temperature	80	DEG F				
		Head Space	6.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	1500	MG/KG	=				
REG	Arsenic	3.2	MG/KG	=				
REG	Barium	10.2	MG/KG	=				
REG	Cadmium	0.07	MG/KG	B	J	F06		
REG	Chromium	2	MG/KG	=				
REG	Lead	3.3	MG/KG	=				
REG	Manganese	117	MG/KG	=				
REG	Mercury	0.04	MG/KG	U	U			
REG	Selenium	0.37	MG/KG	U	U			
REG	Silver	0.23	MG/KG	U	U			
REG	Zinc	19.2	MG/KG	=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	1010	MG/KG	=		

Location: Demolition Area No. 2
Station: DA2sd-033(d) Sand Creek - from creek downgradient of demolition

Northing: 13953.00
Easting: 133681.00
Elevation:

DA2sd-033(d)-0647-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/08/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	2040	MG/KG	=		
REG	Arsenic	10.4	MG/KG	=		
REG	Barium	19.7	MG/KG	=		
REG	Cadmium	0.16	MG/KG	B	J	F06
REG	Chromium	3	MG/KG	=		
REG	Lead	7.1	MG/KG	=		
REG	Manganese	401	MG/KG	=		
REG	Mercury	0.04	MG/KG	U	U	
REG	Selenium	0.35	MG/KG	U	U	
REG	Silver	0.22	MG/KG	U	U	
REG	Zinc	30.5	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	1890	MG/KG	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWsd-011(d) N drainage from creek adjacent to northeast of lan

Northing: 18791.00
 Easting: 137123.00
 Elevation:

LNWsd-011(d)-0428-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	90	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Aluminum	9770	MG/KG	=			
REG	Arsenic	17.3	MG/KG	=			
REG	Barium	186	MG/KG	=			
REG	Cadmium	1.3	MG/KG	B	J	F06	
REG	Chromium	14.2	MG/KG	E	J	E07	
REG	Lead	54.5	MG/KG	*	J	I01	
REG	Manganese	1130	MG/KG	=			
REG	Mercury	0.11	MG/KG	B	J	F06	
REG	Selenium	2.7	MG/KG	=			
REG	Silver	0.61	MG/KG	B	J	F06	
REG	Zinc	133	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	UJ	P01	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Organic Carbon	117000	MG/KG	=			

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWsd-012(d) N drainage from creek adjacent to northeast of lan

Northing: 18242.00
 Easting: 137654.00
 Elevation:

LNWsd-012(d)-0429-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	85	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Aluminum	10100	MG/KG	=			
REG	Arsenic	7.1	MG/KG	=			
REG	Barium	125	MG/KG	=			
REG	Cadmium	0.87	MG/KG	=			
REG	Chromium	12.5	MG/KG	E	J	E07	
REG	Lead	14.4	MG/KG	*	J	I01	
REG	Manganese	1020	MG/KG	=			
REG	Mercury	0.05	MG/KG	B	J	F06	
REG	Selenium	1.3	MG/KG	=			
REG	Silver	0.29	MG/KG	U	U		
REG	Zinc	69.7	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	UJ	P01	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWsd-012(d) N drainage from creek adjacent to northeast of lan

Northing: 18242.00
 Easting: 137654.00
 Elevation:

LNWsd-012(d)-0429-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	89	DEG F			
		Head Space	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Organic Carbon	20200	MG/KG	=			

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWsd-013(d) N drainage from creek adjacent to northeast of lan

Northing: 18132.00
 Easting: 138100.00
 Elevation:

LNWsd-013(d)-0430-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	89	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Aluminum	7810	MG/KG	=			
REG	Arsenic	2.5	MG/KG	=			
REG	Barium	41.8	MG/KG	=			
REG	Cadmium	0.34	MG/KG	B	J	F06	
REG	Chromium	20.6	MG/KG	E	J	E07	
REG	Lead	18.2	MG/KG	*	J	I01	
REG	Manganese	810	MG/KG	=			
REG	Mercury	0.04	MG/KG	U	U		
REG	Selenium	1.6	MG/KG	=			
REG	Silver	0.24	MG/KG	U	U		
REG	Zinc	62.9	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	UJ	P01	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Organic Carbon	7890	MG/KG	=			

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWsd-014(d) S drainage from creek south of landfill upgradient

Northing: 17652.00
 Easting: 136445.00
 Elevation:

LNWsd-014(d)-0431-SD 0.0 - 0.8 FT Field Sample Type: Grab Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	90	DEG F			
		Head Space	0.0	PPM			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	3660	MG/KG	*	=	
REG	Arsenic	11.2	MG/KG	N	J	I02
REG	Barium	30.3	MG/KG	*	=	
REG	Cadmium	0.11	MG/KG	B	J	F06
REG	Chromium	6.2	MG/KG	*	=	
REG	Lead	10.3	MG/KG	N	J	I02
REG	Manganese	243	MG/KG	*	=	
REG	Mercury	0.04	MG/KG	UN*	U	
REG	Selenium	0.43	MG/KG	B	J	F06
REG	Silver	0.24	MG/KG	U	U	
REG	Zinc	45.1	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	2680	MG/KG		=	

LNWsd-014(d)-0432-FD 0.0 - 0.8 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	76	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Aluminum	3330	MG/KG	*	=		
REG	Arsenic	16.3	MG/KG	N	J	I02	
REG	Barium	27.5	MG/KG	*	=		
REG	Cadmium	0.07	MG/KG	B	J	F06	
REG	Chromium	6.5	MG/KG	*	=		
REG	Lead	12.4	MG/KG	N	J	I02	
REG	Manganese	285	MG/KG	*	=		
REG	Mercury	0.04	MG/KG	UN*	U		
REG	Selenium	0.38	MG/KG	U	U		
REG	Silver	0.24	MG/KG	U	U		
REG	Zinc	43.5	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Organic Carbon	2550	MG/KG		=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWsd-015(d) S drainage from creek south of landfill adjacent (

Northing: 17517.00
 Easting: 137323.00
 Elevation:

LNWsd-015(d)-0434-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	76	DEG F			
		Head Space	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.34	MG/KG	B	J	F06	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	12700	MG/KG		=		
REG	Antimony	0.41	MG/KG	U	U		
REG	Arsenic	13.2	MG/KG		=		
REG	Barium	146	MG/KG		=		
REG	Beryllium	0.7	MG/KG		=		
REG	Cadmium	0.42	MG/KG	B	J	F06	
REG	Calcium	1990	MG/KG		=		
REG	Chromium	13.3	MG/KG		=		
REG	Cobalt	8.1	MG/KG		=		
REG	Copper	13.4	MG/KG		=		
REG	Iron	20800	MG/KG		=		
REG	Lead	19.5	MG/KG		=		
REG	Magnesium	2240	MG/KG		=		
REG	Manganese	995	MG/KG		=		
REG	Mercury	0.05	MG/KG	B	J	F06	
REG	Nickel	16.7	MG/KG		=		
REG	Potassium	785	MG/KG		=		
REG	Selenium	1	MG/KG		=		
REG	Silver	0.26	MG/KG	U	U		
REG	Sodium	182	MG/KG	B	J	F06	
REG	Thallium	3.2	MG/KG		=		
REG	Vanadium	20.1	MG/KG		=		
REG	Zinc	73	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	3.4	UG/KG	U	U		
REG	4,4'-DDE	3.4	UG/KG	U	U		
REG	4,4'-DDT	3.4	UG/KG	U	UJ	C08	
REG	Aldrin	1.8	UG/KG	U	U		
REG	Alpha Chlordane	1.8	UG/KG	U	U		
REG	Alpha-BHC	1.8	UG/KG	U	U		
REG	Aroclor-1016	44	UG/KG	U	U		
REG	Aroclor-1221	44	UG/KG	U	U		
REG	Aroclor-1232	44	UG/KG	U	U		
REG	Aroclor-1242	44	UG/KG	U	U		
REG	Aroclor-1248	44	UG/KG	U	U		
REG	Aroclor-1254	90	UG/KG	U	U		
REG	Aroclor-1260	90	UG/KG	U	U		
REG	Beta-BHC	1.8	UG/KG	U	U		
REG	Delta-BHC	1.8	UG/KG	U	U		
REG	Dieldrin	3.4	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station: LNWsd-015(d) S drainage from creek south of landfill adjacent (

Northing: 17517.00
 Easting: 137323.00
 Elevation:

LNWsd-015(d)-0434-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	82	DEG F			
		Head Space	0.0	PPM			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Endosulfan I	1.8	UG/KG	U	U		
REG	Endosulfan II	3.4	UG/KG	U	UJ	C08	
REG	Endosulfan Sulfate	3.4	UG/KG	U	UJ	C08	
REG	Endrin	3.4	UG/KG	U	UJ	C08	
REG	Endrin Aldehyde	3.4	UG/KG	U	UJ	C08	
REG	Endrin Ketone	3.4	UG/KG	U	U		
REG	Gamma Chlordane	1.8	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	1.8	UG/KG	U	U		
REG	Heptachlor	1.8	UG/KG	U	U		
REG	Heptachlor Epoxide	1.8	UG/KG	U	U		
REG	Methoxychlor	18	UG/KG	U	UJ	C08	
REG	Toxaphene	110	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	440	UG/KG	U	U		
REG	1,2-Dichlorobenzene	440	UG/KG	U	U		
REG	1,3-Dichlorobenzene	440	UG/KG	U	U		
REG	1,4-Dichlorobenzene	440	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	440	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	1100	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	440	UG/KG	U	U		
REG	2,4-Dichlorophenol	440	UG/KG	U	U		
REG	2,4-Dimethylphenol	440	UG/KG	U	U		
REG	2,4-Dinitrophenol	1100	UG/KG	U	U		
REG	2-Chloronaphthalene	440	UG/KG	U	U		
REG	2-Chlorophenol	440	UG/KG	U	U		
REG	2-Methylnaphthalene	440	UG/KG	U	U		
REG	2-Methylphenol	440	UG/KG	U	U		
REG	2-Nitroaniline	1100	UG/KG	U	U		
REG	2-Nitrophenol	440	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	1100	UG/KG	U	U		
REG	3-Nitroaniline	1100	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	440	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	440	UG/KG	U	U		
REG	4-Chloroaniline	440	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	440	UG/KG	U	U		
REG	4-Methylphenol	440	UG/KG	U	U		
REG	4-Nitroaniline	1100	UG/KG	U	U		
REG	4-Nitrophenol	1100	UG/KG	U	U		
REG	4-chloro-3-methylphenol	440	UG/KG	U	U		
REG	Acenaphthene	440	UG/KG	U	U		
REG	Acenaphthylene	440	UG/KG	U	U		
REG	Anthracene	440	UG/KG	U	U		
REG	Benzo(a)anthracene	440	UG/KG	U	U		
REG	Benzo(a)pyrene	440	UG/KG	U	U		
REG	Benzo(b)fluoranthene	440	UG/KG	U	U		
REG	Benzo(g,h,i)perylene	440	UG/KG	U	U		
REG	Benzo(k)fluoranthene	440	UG/KG	U	U		
REG	Bis(2-chloroethoxy)methane	440	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	440	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	440	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	440	UG/KG	U	U		
REG	Carbazole	440	UG/KG	U	U		
REG	Chrysene	440	UG/KG	U	U		
REG	Di-n-butyl Phthalate	440	UG/KG	U	U		
REG	Di-n-octyl Phthalate	440	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	440	UG/KG	U	U		
REG	Dibenzofuran	440	UG/KG	U	U		
REG	Diethyl Phthalate	440	UG/KG	U	U		
REG	Dimethyl Phthalate	440	UG/KG	U	U		
REG	Fluoranthene	440	UG/KG	U	U		
REG	Fluorene	440	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station: LNWsd-015(d) S drainage from creek south of landfill adjacent (

Northing: 17517.00
 Easting: 137323.00
 Elevation:

LNWsd-015(d)-0434-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/07/96

Field Measurements		Air Temperature	82	DEG F			
		Head Space	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Hexachlorobenzene	440	UG/KG	U	U		
REG	Hexachlorobutadiene	440	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	440	UG/KG	U	UJ	C05	
REG	Hexachloroethane	440	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	440	UG/KG	U	U		
REG	Isophorone	440	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	440	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	440	UG/KG	U	U		
REG	Naphthalene	440	UG/KG	U	U		
REG	Pentachlorophenol	1100	UG/KG	U	U		
REG	Phenanthrene	440	UG/KG	U	U		
REG	Phenol	440	UG/KG	U	U		
REG	Pyrene	440	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	21400	MG/KG	=			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	7	UG/KG	U	UJ	G02	
REG	1,1,2,2-Tetrachloroethane	7	UG/KG	U	UJ	G02,K01	
REG	1,1,2-Trichloroethane	7	UG/KG	U	UJ	G02	
REG	1,1-Dichloroethane	7	UG/KG	U	UJ	G02	
REG	1,1-Dichloroethene	7	UG/KG	U	UJ	G02	
REG	1,2-Dichloroethane	7	UG/KG	U	UJ	G02	
REG	1,2-Dichloropropane	7	UG/KG	U	UJ	G02	
REG	1,2-cis-Dichloroethene	7	UG/KG	U	UJ	G02	
REG	1,2-trans-Dichloroethene	7	UG/KG	U	UJ	G02	
REG	1,3-cis-Dichloropropene	7	UG/KG	U	UJ	G02	
REG	1,3-trans-Dichloropropene	7	UG/KG	U	UJ	G02	
REG	2-Butanone	7	UG/KG	U	UJ	G02	
REG	2-Hexanone	7	UG/KG	U	UJ	G02,K01	
REG	4-Methyl-2-pentanone	7	UG/KG	U	UJ	G02,K01	
REG	Acetone	7	UG/KG	U	UJ	C05,G02	
REG	Benzene	7	UG/KG	U	UJ	G02	
REG	Bromodichloromethane	7	UG/KG	U	UJ	G02	
REG	Bromoform	7	UG/KG	U	UJ	G02	
REG	Bromomethane	7	UG/KG	U	UJ	G02	
REG	Carbon Disulfide	7	UG/KG	U	UJ	G02	
REG	Carbon Tetrachloride	7	UG/KG	U	UJ	G02	
REG	Chlorobenzene	7	UG/KG	U	UJ	G02,K01	
REG	Chloroethane	7	UG/KG	U	UJ	C02,G02	
REG	Chloroform	7	UG/KG	U	UJ	G02	
REG	Chloromethane	7	UG/KG	U	UJ	G02	
REG	Dibromochloromethane	7	UG/KG	U	UJ	G02	
REG	Ethylbenzene	7	UG/KG	U	UJ	G02,K01	
REG	Methylene Chloride	7	UG/KG	U	UJ	G02	
REG	Styrene	7	UG/KG	U	UJ	G02,K01	
REG	Tetrachloroethene	7	UG/KG	U	UJ	G02,K01	
REG	Toluene	5	UG/KG	J	J	G02,K01	
REG	Trichloroethene	7	UG/KG	U	UJ	G02	
REG	Vinyl Chloride	7	UG/KG	U	UJ	G02	
REG	Xylenes, Total	7	UG/KG	U	UJ	G02,K01	
REG	o-Xylene	7	UG/KG	U	UJ	G02,K01	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWsd-016(d) S drainage from beaver pond on creek south (downgr)

Northing: 17565.00
 Easting: 137930.00
 Elevation:

LNWsd-016(p)-0435-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/13/96

Field Measurements		Air Temperature	82	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	16500	MG/KG	*	=		
REG	Arsenic	5.9	MG/KG	N	=		
REG	Barium	150	MG/KG	*	=		
REG	Cadmium	0.26	MG/KG	B	J	F06	
REG	Chromium	14.7	MG/KG	*	=		
REG	Lead	16.5	MG/KG	*	=		
REG	Manganese	209	MG/KG		=		
REG	Mercury	0.07	MG/KG		=		
REG	Selenium	0.48	MG/KG	UN	U		
REG	Silver	0.3	MG/KG	U	U		
REG	Zinc	62.2	MG/KG	N	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	28300	MG/KG		=		

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWsd-023(p) Pond North of Winkle Peck

Northing: 18444.00
 Easting: 137214.00
 Elevation:

LNWsd-023(p)-0670-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/13/96

Field Measurements		Air Temperature	68	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	8950	MG/KG	*	=		
REG	Arsenic	9	MG/KG	N	=		
REG	Barium	118	MG/KG	*	=		
REG	Cadmium	0.36	MG/KG	B	J	F06	
REG	Chromium	11.3	MG/KG	*	=		
REG	Lead	21.3	MG/KG	*	=		
REG	Manganese	633	MG/KG		=		
REG	Mercury	0.07	MG/KG		=		
REG	Selenium	0.49	MG/KG	UN	U		
REG	Silver	0.31	MG/KG	U	U		
REG	Zinc	70	MG/KG	N	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station: LNWsd-023(p) Pond North of Winkle Peck

Northing: 18444.00
 Easting: 137214.00
 Elevation:

LNWsd-023(p)-0670-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/13/96

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	23800	MG/KG	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1sd-024

Concrete settling tanks - sediment from within tank

Northing: 16819.00
Easting: 155221.00
Elevation:

LL1sd-024-0027-SD 0.0 - 0.1 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	9580	MG/KG	=		
REG	Arsenic	12.5	MG/KG	N*	J	I01
REG	Barium	269	MG/KG	=		
REG	Cadmium	8.7	MG/KG	=		
REG	Chromium	54.8	MG/KG	=		
REG	Lead	356	MG/KG	*		
REG	Manganese	1350	MG/KG	*		
REG	Mercury	0.5	MG/KG	=		
REG	Selenium	3	MG/KG	=		
REG	Silver	3.9	MG/KG	=		
REG	Zinc	865	MG/KG	N*	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	6800	UG/KG	JDP	J	M07,M08
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	770000	UG/KG	D	J	M07,M08
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	12000	UG/KG	P	J	M07,M08
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	UJ	P02

Location: Load Line 1
Station: LL1sd-028

Sediment from tank

Northing: 15619.00
Easting: 155222.00
Elevation:

LL1sd-028-0031-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/31/96

Field Measurements		Air Temperature	
		65	DEG F
	Head Space	0.0	PPM
	Organic Vapor	0.0	PPM

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	1.1	MG/KG	=		

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	3400	MG/KG	=		
REG	Antimony	15.3	MG/KG	N*	J	I02
REG	Arsenic	43.3	MG/KG	=		
REG	Barium	191	MG/KG	=		
REG	Beryllium	0.38	MG/KG	B	=	
REG	Cadmium	26.9	MG/KG	N*	J	I01
REG	Calcium	5600	MG/KG	N	J	I02
REG	Chromium	345	MG/KG	*	=	
REG	Cobalt	43.2	MG/KG	E	=	
REG	Copper	558	MG/KG	=		
REG	Iron	199000	MG/KG	*	=	
REG	Lead	2220	MG/KG	=		
REG	Magnesium	2110	MG/KG	=		
REG	Manganese	950	MG/KG	=		
REG	Mercury	1.4	MG/KG	=		
REG	Nickel	108	MG/KG	N	J	I02
REG	Potassium	185	MG/KG	B	J	F06
REG	Selenium	10.3	MG/KG	*	=	
REG	Silver	1.5	MG/KG	B	J	F06
REG	Sodium	292	MG/KG	B	J	F06
REG	Thallium	8.1	MG/KG	N	J	I02
REG	Vanadium	14.5	MG/KG	*	=	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1sd-028 Sediment from tank

Northing: 15619.00
Easting: 165222.00
Elevation:

LL1sd-028-0031-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/31/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Zinc	2530	MG/KG	*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	380	UG/KG		=		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	16000	UG/KG	D	=		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	12	UG/KG	PJ	J	M08	
REG	4,4'-DDE	740	UG/KG		=		
REG	4,4'-DDT	440	UG/KG	P	J	M08	
REG	Aldrin	42	UG/KG	U	U		
REG	Alpha Chlordane	42	UG/KG	U	U		
REG	Alpha-BHC	42	UG/KG	U	U		
REG	Aroclor-1016	1100	UG/KG	U	U		
REG	Aroclor-1221	1100	UG/KG	U	U		
REG	Aroclor-1232	1100	UG/KG	U	U		
REG	Aroclor-1242	1100	UG/KG	U	U		
REG	Aroclor-1248	1100	UG/KG	U	U		
REG	Aroclor-1254	44000	UG/KG	DP	J	M08	
REG	Aroclor-1260	2200	UG/KG	U	U		
REG	Beta-BHC	42	UG/KG	U	U		
REG	Delta-BHC	42	UG/KG	U	U		
REG	Dieldrin	81	UG/KG	U	U		
REG	Endosulfan I	42	UG/KG	U	U		
REG	Endosulfan II	81	UG/KG	U	U		
REG	Endosulfan Sulfate	81	UG/KG	U	U		
REG	Endrin	160	UG/KG	P	J	M08	
REG	Endrin Aldehyde	320	UG/KG	P	J	M08	
REG	Endrin Ketone	81	UG/KG	U	U		
REG	Gamma Chlordane	130	UG/KG	P	J	M08	
REG	Gamma-BHC (Lindane)	42	UG/KG	U	U		
REG	Heptachlor	42	UG/KG	U	U		
REG	Heptachlor Epoxide	42	UG/KG	U	U		
REG	Methoxychlor	420	UG/KG	U	U		
REG	Toxaphene	2700	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	1300	UG/KG	U	U		
REG	1,2-Dichlorobenzene	1300	UG/KG	U	U		
REG	1,3-Dichlorobenzene	1300	UG/KG	U	U		
REG	1,4-Dichlorobenzene	1300	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	1300	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	3100	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	1300	UG/KG	U	U		
REG	2,4-Dichlorophenol	1300	UG/KG	U	U		
REG	2,4-Dimethylphenol	1300	UG/KG	U	U		
REG	2,4-Dinitrophenol	3100	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1sd-028 Sediment from tank

Northing: 15619.00
Easting: 155222.00
Elevation:

LL1sd-028-0031-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/31/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	2-Chloronaphthalene	1300	UG/KG	U	U		
REG	2-Chlorophenol	1300	UG/KG	U	U		
REG	2-Methylnaphthalene	1300	UG/KG	U	U		
REG	2-Methylphenol	1300	UG/KG	U	U		
REG	2-Nitroaniline	3100	UG/KG	U	U		
REG	2-Nitrophenol	1300	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	3100	UG/KG	U	U		
REG	3-Nitroaniline	3100	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	1300	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	1300	UG/KG	U	U		
REG	4-Chloroaniline	1300	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	1300	UG/KG	U	U		
REG	4-Methylphenol	1300	UG/KG	U	U		
REG	4-Nitroaniline	3100	UG/KG	U	U		
REG	4-Nitrophenol	3100	UG/KG	U	U		
REG	4-chloro-3-methylphenol	1300	UG/KG	U	U		
REG	Acenaphthene	1300	UG/KG	U	U		
REG	Acenaphthylene	1300	UG/KG	U	U		
REG	Anthracene	1300	UG/KG	U	U		
REG	Benzo(a)anthracene	260	UG/KG	J	J		
REG	Benzo(a)pyrene	580	UG/KG	J	J		
REG	Benzo(b)fluoranthene	600	UG/KG	J	J		
REG	Benzo(g,h,i)perylene	460	UG/KG	J	J		
REG	Benzo(k)fluoranthene	500	UG/KG	J	J		
REG	Bis(2-chloroethoxy)methane	1300	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	1300	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	490	UG/KG	J	J		
REG	Butyl Benzyl Phthalate	1300	UG/KG	U	U		
REG	Carbazole	1300	UG/KG	U	U		
REG	Chrysene	540	UG/KG	J	J		
REG	Di-n-butyl Phthalate	870	UG/KG	J	J		
REG	Di-n-octyl Phthalate	1300	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	180	UG/KG	J	J		
REG	Dibenzofuran	1300	UG/KG	U	U		
REG	Diethyl Phthalate	1300	UG/KG	U	U		
REG	Dimethyl Phthalate	1300	UG/KG	U	U		
REG	Fluoranthene	510	UG/KG	J	J		
REG	Fluorene	1300	UG/KG	U	U		
REG	Hexachlorobenzene	1300	UG/KG	U	U		
REG	Hexachlorobutadiene	1300	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	1300	UG/KG	U	U		
REG	Hexachloroethane	1300	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	440	UG/KG	J	J		
REG	Isophorone	1300	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	1300	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	1300	UG/KG	U	U		
REG	Naphthalene	1300	UG/KG	U	U		
REG	Pentachlorophenol	3100	UG/KG	U	U		
REG	Phenanthrene	190	UG/KG	J	J		
REG	Phenol	1300	UG/KG	U	U		
REG	Pyrene	660	UG/KG	J	J		
Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,1,1-Trichloroethane	10	UG/KG	U	UJ	G02,K01	
REG	1,1,2,2-Tetrachloroethane	10	UG/KG	U	UJ	G02,K01	
REG	1,1,2-Trichloroethane	10	UG/KG	U	UJ	G092,K01	
REG	1,1-Dichloroethane	10	UG/KG	U	UJ	G02,K01	
REG	1,1-Dichloroethene	10	UG/KG	U	UJ	G02,K01	
REG	1,2-Dichloroethane	10	UG/KG	U	UJ	G02,K01	
REG	1,2-Dichloropropane	10	UG/KG	U	UJ	G02,K01	
REG	1,2-cis-Dichloroethene	10	UG/KG	U	UJ	G02,K01	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1sd-028 Sediment from tank

Northing: 15519.00
Easting: 155222.00
Elevation:

LL1sd-028-0031-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/31/96

Field Measurements		Air Temperature	70	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2-trans-Dichloroethene	10	UG/KG	U	UJ	G02,K01		
REG	1,3-cis-Dichloropropene	10	UG/KG	U	UJ	G02,K01		
REG	1,3-trans-Dichloropropene	10	UG/KG	U	UJ	G02,K01		
REG	2-Butanone	10	UG/KG	U	UJ	C05,G02,K01		
REG	2-Hexanone	10	UG/KG	U	UJ	C05,G02,K01		
REG	4-Methyl-2-pentanone	10	UG/KG	U	UJ	G02,K01		
REG	Acetone	10	UG/KG	U	R	C094,C05,G02		
REG	Benzene	10	UG/KG	U	UJ	G02,K01		
REG	Bromodichloromethane	10	UG/KG	U	UJ	G02,K01		
REG	Bromoform	10	UG/KG	U	UJ	G02,K01		
REG	Bromomethane	10	UG/KG	U	UJ	G02,K01		
REG	Carbon Disulfide	10	UG/KG	U	UJ	G02,K01		
REG	Carbon Tetrachloride	10	UG/KG	U	UJ	G02K01		
REG	Chlorobenzene	10	UG/KG	U	UJ	G02,K01		
REG	Chloroethane	10	UG/KG	U	UJ	C02,G02,K01		
REG	Chloroform	10	UG/KG	U	UJ	G02,K01		
REG	Chloromethane	10	UG/KG	U	UJ	G02,K01		
REG	Dibromochloromethane	10	UG/KG	U	UJ	G02,K01		
REG	Ethylbenzene	10	UG/KG	U	UJ	G02,K01		
REG	Methylene Chloride	10	UG/KG	U	UJ	G02,K01		
REG	Styrene	10	UG/KG	U	UJ	G02,K01		
REG	Tetrachloroethene	10	UG/KG	U	UJ	G02,K01		
REG	Toluene	10	UG/KG	U	UJ	G02,K01		
REG	Trichloroethene	10	UG/KG	U	UJ	G02,K01		
REG	Vinyl Chloride	10	UG/KG	U	UJ	G02,K01		
REG	Xylenes, Total	10	UG/KG	U	UJ	G02,K01		
REG	o-Xylene	10	UG/KG	U	UJ	G02,K01		

Location: Load Line 1
Station: LL1sd-046(d) Drainage Channel North side LL1

Northing: 18319.00
Easting: 153413.00
Elevation:

LL1sd-046(d)-0053-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	70	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	8140	MG/KG	=				
REG	Arsenic	8.8	MG/KG	=				
REG	Barium	62.3	MG/KG	=				
REG	Cadmium	0.21	MG/KG	BN*	J	I02,J04		
REG	Chromium	10.2	MG/KG	=				
REG	Lead	15	MG/KG	*	=			
REG	Manganese	274	MG/KG	N*	J	I02		
REG	Mercury	0.05	MG/KG	=				
REG	Selenium	0.71	MG/KG	N	J	I01		
REG	Silver	0.2	MG/KG	U	U			
REG	Zinc	72.4	MG/KG	E*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1sd-046(d) Drainage Channel North side LL1

Northing: 18319.00
 Easting: 153413.00
 Elevation:

LL1sd-046(d)-0053-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	70	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	UJ	P02		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	21600	MG/KG	=				

Location: Load Line 1
 Station : LL1sd-047(d) Drainage Channel East side LL1

Northing: 18035.00
 Easting: 155333.00
 Elevation:

LL1sd-047(d)-0054-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/09/96

Field Measurements		Air Temperature	70	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	7240	MG/KG	=				
REG	Arsenic	9.2	MG/KG	N*	J	101, J04		
REG	Barium	58.9	MG/KG	=				
REG	Cadmium	0.8	MG/KG	=				
REG	Chromium	9.5	MG/KG	E	=			
REG	Lead	22.8	MG/KG	*	=			
REG	Manganese	496	MG/KG	*	J	J04		
REG	Mercury	0.09	MG/KG	*	=			
REG	Selenium	1.4	MG/KG	*	J	J04		
REG	Silver	0.26	MG/KG	U	U			
REG	Zinc	102	MG/KG	E	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	19400	MG/KG	=				

Location: Load Line 1
 Station : LL1sd-048(d) Drainage Channel East side LL1

Northing: 16231.00
 Easting: 156228.00
 Elevation:

LL1sd-048(d)-0055-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/09/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	60	PPM				
		Organic Vapor	0.0	PPM				

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	7940	MG/KG	=		
REG	Arsenic	10.7	MG/KG	=		
REG	Barium	121	MG/KG	=		
REG	Cadmium	1.5	MG/KG	=		
REG	Chromium	12.1	MG/KG	=		
REG	Lead	30.7	MG/KG	=		
REG	Manganese	1860	MG/KG	=		
REG	Mercury	0.06	MG/KG	=		
REG	Selenium	2	MG/KG	=		
REG	Silver	0.29	MG/KG	U	U	
REG	Zinc	353	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	UJ	H02,P02
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	84500	MG/KG	=		

Location: Load Line 1
 Station: LL1sd-049(d) Drainage Channel South side LL1

Northing: 15074.00
 Easting: 156275.00
 Elevation:

LL1sd-049(d)-0056-SD 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/12/96

Field Measurements	Parameter	Result	Units
	Air Temperature	75	DEG F
	Head Space	40	PPM
	Organic Vapor	0.0	PPM

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.35	MG/KG	BN	J	F06

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	6110	MG/KG	*	=	
REG	Antimony	2460	MG/KG	N	=	
REG	Arsenic	12.9	MG/KG	N	J	I01
REG	Barium	81.5	MG/KG	N	=	
REG	Beryllium	0.44	MG/KG	*	=	
REG	Cadmium	2.5	MG/KG		=	
REG	Calcium	3040	MG/KG	*	=	
REG	Chromium	218	MG/KG	*	=	
REG	Cobalt	20.1	MG/KG		=	
REG	Copper	234	MG/KG		=	
REG	Iron	16500	MG/KG	*	=	
REG	Lead	2160	MG/KG		=	
REG	Magnesium	4300	MG/KG	N	J	I02
REG	Manganese	160	MG/KG	*	=	
REG	Mercury	0.12	MG/KG	N	J	I02
REG	Nickel	13.1	MG/KG	E	=	
REG	Potassium	487	MG/KG	B	J	F06
REG	Selenium	1.3	MG/KG		=	
REG	Silver	0.27	MG/KG	U	U	
REG	Sodium	195	MG/KG	B	J	F06
REG	Thallium	0.8	MG/KG	N*	=	
REG	Vanadium	12.7	MG/KG	*	=	
REG	Zinc	238	MG/KG		=	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	UJ	P02
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	430	UG/KG	P	J	M08,M07
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2800	UG/KG		=	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	16000	UG/KG		=	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	3.6	UG/KG	U	UJ	C08
REG	4,4'-DDE	3.6	UG/KG	U	U	
REG	4,4'-DDT	3.6	UG/KG	U	UJ	C08
REG	Aldrin	1.8	UG/KG	U	U	
REG	Alpha Chlordane	9.9	UG/KG	P	J	M08,G01
REG	Alpha-BHC	1.8	UG/KG	U	U	
REG	Aroclor-1016	47	UG/KG	U	U	
REG	Aroclor-1221	47	UG/KG	U	U	
REG	Aroclor-1232	47	UG/KG	U	U	
REG	Aroclor-1242	47	UG/KG	U	U	
REG	Aroclor-1248	47	UG/KG	U	U	
REG	Aroclor-1254	290	UG/KG	DJP	J	M08
REG	Aroclor-1260	96	UG/KG	U	U	
REG	Beta-BHC	1.8	UG/KG	U	U	
REG	Delta-BHC	1.8	UG/KG	U	U	
REG	Dieldrin	3.6	UG/KG	U	U	
REG	Endosulfan I	1.8	UG/KG	U	U	
REG	Endosulfan II	3.6	UG/KG	U	U	
REG	Endosulfan Sulfate	3.6	UG/KG	U	UJ	C08
REG	Endrin	3.6	UG/KG	U	UJ	C08
REG	Endrin Aldehyde	3.6	UG/KG	U	U	
REG	Endrin Ketone	3.6	UG/KG	U	UJ	C08
REG	Gamma Chlordane	11	UG/KG	P	J	M08,G01
REG	Gamma-BHC (Lindane)	1.8	UG/KG	U	U	
REG	Heptachlor	1.8	UG/KG	U	UJ	C08
REG	Heptachlor Epoxide	1.8	UG/KG	U	U	
REG	Methoxychlor	18	UG/KG	U	UJ	C08
REG	Toxaphene	120	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	940	UG/KG	U	U	
REG	1,2-Dichlorobenzene	940	UG/KG	U	U	
REG	1,3-Dichlorobenzene	940	UG/KG	U	U	
REG	1,4-Dichlorobenzene	940	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	940	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	2300	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	940	UG/KG	U	U	
REG	2,4-Dichlorophenol	940	UG/KG	U	U	
REG	2,4-Dimethylphenol	940	UG/KG	U	U	
REG	2,4-Dinitrophenol	2300	UG/KG	U	U	
REG	2-Chloronaphthalene	940	UG/KG	U	U	
REG	2-Chlorophenol	940	UG/KG	U	U	
REG	2-Methylnaphthalene	940	UG/KG	U	U	
REG	2-Methylphenol	940	UG/KG	U	U	
REG	2-Nitroaniline	2300	UG/KG	U	U	
REG	2-Nitrophenol	940	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	2300	UG/KG	U	U	
REG	3-Nitroaniline	2300	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	940	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	940	UG/KG	U	U	
REG	4-Chloroaniline	940	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	940	UG/KG	U	U	
REG	4-Methylphenol	940	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-049(d) Drainage Channel South side LL1

Northing: 15074.00
 Easting: 156275.00
 Elevation:

LL1sd-049(d)-0056-SD 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	3.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4-Nitroaniline	2300	UG/KG	U	U		
REG	4-Nitrophenol	2300	UG/KG	U	U		
REG	4-chloro-3-methylphenol	940	UG/KG	U	U		
REG	Acenaphthene	940	UG/KG	U	U		
REG	Acenaphthylene	940	UG/KG	U	U		
REG	Anthracene	260	UG/KG	J	J		
REG	Benzo(a)anthracene	860	UG/KG	J	J		
REG	Benzo(a)pyrene	1300	UG/KG	=	=		
REG	Benzo(b)fluoranthene	3000	UG/KG	=	=		
REG	Benzo(g,h,i)perylene	1400	UG/KG	=	=		
REG	Benzo(k)fluoranthene	1500	UG/KG	=	=		
REG	Bis(2-chloroethoxy)methane	940	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	940	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	940	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	940	UG/KG	U	U		
REG	Carbazole	240	UG/KG	J	J		
REG	Chrysene	1800	UG/KG	=	=		
REG	Di-n-butyl Phthalate	940	UG/KG	U	U		
REG	Di-n-octyl Phthalate	940	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	560	UG/KG	J	J		
REG	Dibenzofuran	940	UG/KG	U	U		
REG	Diethyl Phthalate	940	UG/KG	U	U		
REG	Dimethyl Phthalate	940	UG/KG	U	U		
REG	Fluoranthene	2100	UG/KG	=	=		
REG	Fluorene	940	UG/KG	U	U		
REG	Hexachlorobenzene	940	UG/KG	U	U		
REG	Hexachlorobutadiene	940	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	940	UG/KG	U	UJ	C05	
REG	Hexachloroethane	940	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	1100	UG/KG	=	=		
REG	Isophorone	940	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	940	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	940	UG/KG	U	U		
REG	Naphthalene	940	UG/KG	U	U		
REG	Pentachlorophenol	2300	UG/KG	U	U		
REG	Phenanthrene	380	UG/KG	J	J		
REG	Phenol	940	UG/KG	U	U		
REG	Pyrene	1400	UG/KG	=	=		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	60600	MG/KG	=	=		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	7	UG/KG	U	UJ	K01	
REG	1,1,2,2-Tetrachloroethane	7	UG/KG	U	UJ	K01	
REG	1,1,2-Trichloroethane	7	UG/KG	U	UJ	K01	
REG	1,1-Dichloroethane	7	UG/KG	U	UJ	K01	
REG	1,1-Dichloroethene	7	UG/KG	U	UJ	K01	
REG	1,2-Dichloroethane	7	UG/KG	U	UJ	K01	
REG	1,2-Dichloropropane	7	UG/KG	U	UJ	K01	
REG	1,2-cis-Dichloroethene	7	UG/KG	U	UJ	K01	
REG	1,2-trans-Dichloroethene	7	UG/KG	U	UJ	K01	
REG	1,3-cis-Dichloropropene	7	UG/KG	U	UJ	K01	
REG	1,3-trans-Dichloropropene	7	UG/KG	U	UJ	K01	
REG	2-Butanone	7	UG/KG	U	UJ	K01	
REG	2-Hexanone	7	UG/KG	U	UJ	K01	
REG	4-Methyl-2-pentanone	7	UG/KG	U	UJ	K01	
REG	Acetone	7	UG/KG	U	UJ	C05,K01	
REG	Benzene	7	UG/KG	U	UJ	K01	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1sd-049(d) Drainage Channel South side LL1

Northing: 15074.00
Easting: 156275.00
Elevation:

LL1sd-049(d)-0056-SD 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F		
		Head Space	3.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Bromodichloromethane	7	UG/KG U	UJ	K01	
REG	Bromoform	7	UG/KG U	UJ	K01	
REG	Bromomethane	7	UG/KG U	UJ	K01	
REG	Carbon Disulfide	7	UG/KG U	UJ	K01	
REG	Carbon Tetrachloride	7	UG/KG U	UJ	K01	
REG	Chlorobenzene	7	UG/KG U	UJ	K01	
REG	Chloroethane	7	UG/KG U	UJ	C02,K01	
REG	Chloroform	4	UG/KG J	J	K01	
REG	Chloromethane	7	UG/KG U	UJ	K01	
REG	Dibromochloromethane	7	UG/KG U	UJ	K01	
REG	Ethylbenzene	7	UG/KG U	UJ	K01	
REG	Methylene Chloride	15	UG/KG B	UJ	F01,F07,K01	
REG	Styrene	7	UG/KG U	UJ	K01	
REG	Tetrachloroethene	7	UG/KG U	UJ	K01	
REG	Toluene	7	UG/KG U	UJ	K01	
REG	Trichloroethene	7	UG/KG U	UJ	K01	
REG	Vinyl Chloride	7	UG/KG U	UJ	K01	
REG	Xylenes, Total	7	UG/KG U	UJ	K01	
REG	o-Xylene	7	UG/KG U	UJ	K01	

Location: Load Line 1
Station: LL1sd-050(d) Drainage Channel South side LL1

Northing: 14248.00
Easting: 156120.00
Elevation:

LL1sd-050(d)-0058-SD 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/10/96

Field Measurements		Air Temperature	70	DEG F		
		Head Space	3.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Aluminum	9030	MG/KG	=		
REG	Arsenic	20.3	MG/KG N*	J	I01, J04	
REG	Barium	113	MG/KG	=		
REG	Cadmium	1.5	MG/KG	=		
REG	Chromium	19.4	MG/KG E	=		
REG	Lead	75.5	MG/KG *	=		
REG	Manganese	1690	MG/KG *	J	J04	
REG	Mercury	0.4	MG/KG *	=		
REG	Selenium	4	MG/KG *	J	J04	
REG	Silver	0.29	MG/KG U	U		
REG	Zinc	501	MG/KG E	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG U	U		
REG	1,3-Dinitrobenzene	250	UG/KG U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG U	U		
REG	2,4-Dinitrotoluene	250	UG/KG U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG U	U		
REG	2-Nitrotoluene	250	UG/KG U	U		
REG	3-Nitrotoluene	250	UG/KG U	U		
REG	4-Nitrotoluene	250	UG/KG U	U		
REG	HMX	2000	UG/KG U	U		
REG	Nitrobenzene	280	UG/KG U	U		
REG	RDX	1000	UG/KG U	U		
REG	Tetryl	650	UG/KG U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Organic Carbon	70000	MG/KG	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-051(d) Drainage Channel South side LL1

Northing: 13849.00
 Easting: 155927.00
 Elevation:

LL1sd-051(d)-0059-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	75	DEG F
		Head Space	32	PPM
		Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	4960	MG/KG	=		
REG	Arsenic	14.4	MG/KG	=		
REG	Barium	38.5	MG/KG	=		
REG	Cadmium	0.04	MG/KG	U	U	
REG	Chromium	13.3	MG/KG	=		
REG	Lead	16.2	MG/KG	=		
REG	Manganese	805	MG/KG	=		
REG	Mercury	0.04	MG/KG	U	U	
REG	Selenium	1.5	MG/KG	=		
REG	Silver	0.2	MG/KG	U	U	
REG	Zinc	166	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	13300	MG/KG	=		

Location: Load Line 1
 Station: LL1sd-052(d) Drainage Channel South of LL1 where south end drai

Northing: 14393.00
 Easting: 157061.00
 Elevation:

LL1sd-052(d)-0060-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/09/96

Field Measurements		Air Temperature	70	DEG F
		Head Space	0.0	PPM
		Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11600	MG/KG	=		
REG	Arsenic	15.5	MG/KG	N*	J	101, J04
REG	Barium	86.5	MG/KG	=		
REG	Cadmium	0.4	MG/KG	B	J	F06
REG	Chromium	13.4	MG/KG	E	=	
REG	Lead	18.1	MG/KG	*	=	
REG	Manganese	1850	MG/KG	*	J	J04
REG	Mercury	0.05	MG/KG	*	=	
REG	Selenium	1.8	MG/KG	*	J	J04
REG	Silver	0.21	MG/KG	U	U	
REG	Zinc	59.3	MG/KG	E	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1sd-052(d) Drainage Channel South of LL1 where south end drai

Northing: 14393.00
Easting: 157061.00
Elevation:

LL1sd-052(d)-0060-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/09/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	160	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	14200	MG/KG	=			

Location: Load Line 1
Station: LL1sd-053(p) Griggy's Pond from pond along drainage axis

Northing: 15298.00
Easting: 158658.00
Elevation:

LL1sd-053(p)-0061-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	160	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	12600	MG/KG	=		F06	
REG	Arsenic	6.9	MG/KG	=			
REG	Barium	149	MG/KG	=			
REG	Cadmium	0.54	MG/KG	B	J		
REG	Chromium	12.8	MG/KG	=			
REG	Lead	13	MG/KG	=			
REG	Manganese	193	MG/KG	=			
REG	Mercury	0.08	MG/KG	=			
REG	Selenium	1.1	MG/KG	B	J		
REG	Silver	0.42	MG/KG	U	U	F06	
REG	Zinc	78.2	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	58900	MG/KG	=			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1sd-054(p) Griggy's Pond from pond along drainage axis

Northing: 15469.00
Easting: 158682.00
Elevation:

LL1sd-054(p)-0062-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Aluminum	19900	MG/KG	=			
REG	Arsenic	7.9	MG/KG	=			
REG	Barium	210	MG/KG	=			
REG	Cadmium	0.88	MG/KG	B	J	F06	
REG	Chromium	17.1	MG/KG	=			
REG	Lead	18.5	MG/KG	=			
REG	Manganese	218	MG/KG	=			
REG	Mercury	0.19	MG/KG	=			
REG	Selenium	1.4	MG/KG	B	J	F06	
REG	Silver	0.59	MG/KG	U	U		
REG	Zinc	97.3	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Organic Carbon	93400	MG/KG	=			

Location: Load Line 1
Station: LL1sd-055(p) Griggy's Pond from pond along drainage axis

Northing: 15644.00
Easting: 158642.00
Elevation:

LL1sd-055(p)-0063-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Aluminum	19900	MG/KG	=			
REG	Arsenic	17.3	MG/KG	=			
REG	Barium	192	MG/KG	=			
REG	Cadmium	1	MG/KG	B	J	F06	
REG	Chromium	18.5	MG/KG	=			
REG	Lead	22.5	MG/KG	=			
REG	Manganese	260	MG/KG	=			
REG	Mercury	0.16	MG/KG	=			
REG	Selenium	1.3	MG/KG	B	J	F06	
REG	Silver	0.7	MG/KG	U	U		
REG	Zinc	130	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-055(p) Griggy's Pond from pond along drainage axis

Northing: 15644.00
 Easting: 158642.00
 Elevation:

LL1sd-055(p)-0063-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	84500	MG/KG	=			

Location: Load Line 1
 Station: LL1sd-056(p) Griggy's Pond at pond outfall prior to existing RV

Northing: 15698.00
 Easting: 158813.00
 Elevation:

LL1sd-056(p)-0064-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.17	MG/KG	UN	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	13900	MG/KG	*	=		
REG	Antimony	0.52	MG/KG	UN	U		
REG	Arsenic	18.8	MG/KG	N	J	I01	
REG	Barium	129	MG/KG	N	=		
REG	Beryllium	1.7	MG/KG	*	=		
REG	Cadmium	0.45	MG/KG	B	J	F06	
REG	Calcium	36200	MG/KG	*	=		
REG	Chromium	11.4	MG/KG	*	=		
REG	Cobalt	4.7	MG/KG		=		
REG	Copper	9	MG/KG		=		
REG	Iron	9340	MG/KG	*	=		
REG	Lead	13	MG/KG		=		
REG	Magnesium	9370	MG/KG	N	J	I02	
REG	Manganese	787	MG/KG	*	=		
REG	Mercury	0.06	MG/KG	UN	UJ	I02	
REG	Nickel	9.8	MG/KG	E	=		
REG	Potassium	673	MG/KG	B	J	F06	
REG	Selenium	1.3	MG/KG		=		
REG	Silver	0.33	MG/KG	U	U		
REG	Sodium	484	MG/KG		=		
REG	Thallium	2.6	MG/KG	N*	=		
REG	Vanadium	11.9	MG/KG	*	=		
REG	Zinc	173	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	UJ	P02	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-056(p) Griggy's Pond at pond outfall prior to existing RV

Northing: 15698.00
 Easting: 158813.00
 Elevation:

LL1sd-056(p)-0064-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	RDX	430	UG/KG	J	J		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	4.3	UG/KG	U	UJ	C08	
REG	4,4'-DDE	4.3	UG/KG	U	U		
REG	4,4'-DDT	4.3	UG/KG	U	UJ	C08	
REG	Aldrin	2.2	UG/KG	U	U		
REG	Alpha Chlordane	2.2	UG/KG	U	U		
REG	Alpha-BHC	2.2	UG/KG	U	U		
REG	Aroclor-1016	57	UG/KG	U	U		
REG	Aroclor-1221	57	UG/KG	U	U		
REG	Aroclor-1232	57	UG/KG	U	U		
REG	Aroclor-1242	57	UG/KG	U	U		
REG	Aroclor-1248	57	UG/KG	U	U		
REG	Aroclor-1254	120	UG/KG	U	U		
REG	Aroclor-1260	120	UG/KG	U	U		
REG	Beta-BHC	2.2	UG/KG	U	U		
REG	Delta-BHC	2.2	UG/KG	U	U		
REG	Dieldrin	4.3	UG/KG	U	U		
REG	Endosulfan I	2.2	UG/KG	U	U		
REG	Endosulfan II	4.3	UG/KG	U	U		
REG	Endosulfan Sulfate	4.3	UG/KG	U	UJ	C08	
REG	Endrin	4.3	UG/KG	U	UJ	C08	
REG	Endrin Aldehyde	4.3	UG/KG	U	UJ	C08	
REG	Endrin Ketone	4.3	UG/KG	U	UJ	C08	
REG	Gamma Chlordane	2.2	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	2.2	UG/KG	U	U		
REG	Heptachlor	3.4	UG/KG	P	J	C08,M08	
REG	Heptachlor Epoxide	2.2	UG/KG	U	U		
REG	Methoxychlor	22	UG/KG	U	UJ	C08	
REG	Toxaphene	140	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	1100	UG/KG	U	U		
REG	1,2-Dichlorobenzene	1100	UG/KG	U	U		
REG	1,3-Dichlorobenzene	1100	UG/KG	U	U		
REG	1,4-Dichlorobenzene	1100	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	1100	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	2800	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	1100	UG/KG	U	U		
REG	2,4-Dichlorophenol	1100	UG/KG	U	U		
REG	2,4-Dimethylphenol	1100	UG/KG	U	U		
REG	2,4-Dinitrophenol	2800	UG/KG	U	U		
REG	2-Chloronaphthalene	1100	UG/KG	U	U		
REG	2-Chlorophenol	1100	UG/KG	U	U		
REG	2-Methylnaphthalene	1100	UG/KG	U	U		
REG	2-Methylphenol	1100	UG/KG	U	U		
REG	2-Nitroaniline	2800	UG/KG	U	U		
REG	2-Nitrophenol	1100	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	2800	UG/KG	U	U		
REG	3-Nitroaniline	2800	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	1100	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	1100	UG/KG	U	U		
REG	4-Chloroaniline	1100	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	1100	UG/KG	U	U		
REG	4-Methylphenol	1100	UG/KG	U	U		
REG	4-Nitroaniline	2800	UG/KG	U	U		
REG	4-Nitrophenol	2800	UG/KG	U	U		
REG	4-chloro-3-methylphenol	1100	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-056(p) Griggy's Pond at pond outfall prior to existing RV

Northing: 15698.00
 Easting: 158813.00
 Elevation:

LL1sd-056(p)-0064-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Acenaphthene	1100	UG/KG	U	U		
REG	Acenaphthylene	1100	UG/KG	U	U		
REG	Anthracene	1100	UG/KG	U	U		
REG	Benzo(a)anthracene	1100	UG/KG	U	U		
REG	Benzo(a)pyrene	350	UG/KG	J	J		
REG	Benzo(b)fluoranthene	1100	UG/KG	U	U		
REG	Benzo(g,h,i)perylene	1100	UG/KG	U	U		
REG	Benzo(k)fluoranthene	1100	UG/KG	U	U		
REG	Bis(2-chloroethoxy)methane	1100	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	1100	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	120	UG/KG	J	J		
REG	Butyl Benzyl Phthalate	1100	UG/KG	U	U		
REG	Carbazole	1100	UG/KG	U	U		
REG	Chrysene	130	UG/KG	J	J		
REG	Di-n-butyl Phthalate	1100	UG/KG	U	U		
REG	Di-n-octyl Phthalate	1100	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	1100	UG/KG	U	U		
REG	Dibenzofuran	1100	UG/KG	U	U		
REG	Diethyl Phthalate	1100	UG/KG	U	U		
REG	Dimethyl Phthalate	1100	UG/KG	U	U		
REG	Fluoranthene	1100	UG/KG	U	U		
REG	Fluorene	1100	UG/KG	U	U		
REG	Hexachlorobenzene	1100	UG/KG	U	U		
REG	Hexachlorobutadiene	1100	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	1100	UG/KG	U	U		
REG	Hexachloroethane	1100	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	1100	UG/KG	U	U		
REG	Isophorone	1100	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	1100	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	1100	UG/KG	U	U		
REG	Naphthalene	1100	UG/KG	U	U		
REG	Pentachlorophenol	2800	UG/KG	U	U		
REG	Phenanthrene	1100	UG/KG	U	U		
REG	Phenol	1100	UG/KG	U	U		
REG	Pyrene	140	UG/KG	J	J		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	37600	MG/KG	=			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	9	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	9	UG/KG	U	U		
REG	1,1,2-Trichloroethane	9	UG/KG	U	U		
REG	1,1-Dichloroethane	9	UG/KG	U	U		
REG	1,1-Dichloroethene	9	UG/KG	U	U		
REG	1,2-Dichloroethane	9	UG/KG	U	U		
REG	1,2-Dichloropropane	9	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	9	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	9	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	9	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	9	UG/KG	U	U		
REG	2-Butanone	9	UG/KG	U	U		
REG	2-Hexanone	9	UG/KG	U	U		
REG	4-Methyl-2-pentanone	9	UG/KG	U	U		
REG	Acetone	110	UG/KG	J		C02,C05	
REG	Benzene	9	UG/KG	U	U		
REG	Bromodichloromethane	9	UG/KG	U	U		
REG	Bromoform	9	UG/KG	U	U		
REG	Bromomethane	9	UG/KG	U	U		
REG	Carbon Disulfide	9	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-056(p) Griggy's Pond at pond outfall prior to existing RV

Northing: 15698.00
 Easting: 158813.00
 Elevation:

LL1sd-056(p)-0064-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Carbon Tetrachloride	9	UG/KG	U	U		
REG	Chlorobenzene	9	UG/KG	U	U		
REG	Chloroethane	9	UG/KG	U	UJ	C02	
REG	Chloroform	9	UG/KG	U	U		
REG	Chloromethane	9	UG/KG	U	U		
REG	Dibromochloromethane	9	UG/KG	U	U		
REG	Ethylbenzene	9	UG/KG	U	U		
REG	Methylene Chloride	9	UG/KG	JB	U	F01,F06	
REG	Styrene	9	UG/KG	U	U		
REG	Tetrachloroethene	9	UG/KG	U	U		
REG	Toluene	9	UG/KG	U	U		
REG	Trichloroethene	9	UG/KG	U	U		
REG	Vinyl Chloride	9	UG/KG	U	U		
REG	Xylenes, Total	9	UG/KG	U	U		
REG	o-Xylene	9	UG/KG	U	U		

LL1sd-056(p)-0065-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.32	MG/KG	BN	J	F06	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	16400	MG/KG	*	=		
REG	Antimony	0.55	MG/KG	UN	U		
REG	Arsenic	26	MG/KG	N	J	I01	
REG	Barium	136	MG/KG	N	=		
REG	Beryllium	2.1	MG/KG	*	=		
REG	Cadmium	0.63	MG/KG	B	J	F06	
REG	Calcium	48300	MG/KG	*	=		
REG	Chromium	9.9	MG/KG	*	=		
REG	Cobalt	3.6	MG/KG	B	J	F06	
REG	Copper	11.4	MG/KG		=		
REG	Iron	8750	MG/KG	*	=		
REG	Lead	15.5	MG/KG		=		
REG	Magnesium	10400	MG/KG	N	J	I02	
REG	Manganese	1150	MG/KG	*	=		
REG	Mercury	0.06	MG/KG	UN	UJ	I02	
REG	Nickel	7.7	MG/KG	E	=		
REG	Potassium	937	MG/KG		=		
REG	Selenium	1.5	MG/KG		=		
REG	Silver	0.35	MG/KG	U	U		
REG	Sodium	607	MG/KG		=		
REG	Thallium	3.6	MG/KG	N*	=		
REG	Vanadium	12.3	MG/KG	*	=		
REG	Zinc	341	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	UJ	P02	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-056(p) Griggy's Pond at pond outfall prior to existing RV

Northing: 15698.00
 Easting: 158813.00
 Elevation:

LL1sd-056(p)-0065-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	4.6	UG/KG	U	UJ	C08	
REG	4,4'-DDE	4.6	UG/KG	U	U		
REG	4,4'-DDT	4.6	UG/KG	U	UJ	C08	
REG	Aldrin	2.4	UG/KG	U	U		
REG	Alpha Chlordane	2.4	UG/KG	U	U		
REG	Alpha-BHC	2.4	UG/KG	U	U		
REG	Aroclor-1016	61	UG/KG	U	U		
REG	Aroclor-1221	61	UG/KG	U	U		
REG	Aroclor-1232	61	UG/KG	U	U		
REG	Aroclor-1242	61	UG/KG	U	U		
REG	Aroclor-1248	61	UG/KG	U	U		
REG	Aroclor-1254	120	UG/KG	U	U		
REG	Aroclor-1260	120	UG/KG	U	U		
REG	Beta-BHC	2.4	UG/KG	U	U		
REG	Delta-BHC	2.4	UG/KG	U	U		
REG	Dieldrin	4.6	UG/KG	U	U		
REG	Endosulfan I	2.4	UG/KG	U	U		
REG	Endosulfan II	4.6	UG/KG	U	U		
REG	Endosulfan Sulfate	4.6	UG/KG	U	UJ	C08	
REG	Endrin	4.6	UG/KG	U	UJ	C08	
REG	Endrin Aldehyde	4.6	UG/KG	U	UJ	C08	
REG	Endrin Ketone	4.6	UG/KG	U	UJ	C08	
REG	Gamma Chlordane	2.4	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	2.4	UG/KG	U	U		
REG	Heptachlor	2.4	UG/KG	U	UJ	C08	
REG	Heptachlor Epoxide	2.4	UG/KG	U	U		
REG	Methoxychlor	24	UG/KG	U	UJ	C08	
REG	Toxaphene	150	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	1200	UG/KG	U	U		
REG	1,2-Dichlorobenzene	1200	UG/KG	U	U		
REG	1,3-Dichlorobenzene	1200	UG/KG	U	U		
REG	1,4-Dichlorobenzene	1200	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	1200	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	3000	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	1200	UG/KG	U	U		
REG	2,4-Dichlorophenol	1200	UG/KG	U	U		
REG	2,4-Dimethylphenol	1200	UG/KG	U	U		
REG	2,4-Dinitrophenol	3000	UG/KG	U	U		
REG	2-Chloronaphthalene	1200	UG/KG	U	U		
REG	2-Chlorophenol	1200	UG/KG	U	U		
REG	2-Methylnaphthalene	1200	UG/KG	U	U		
REG	2-Methylphenol	1200	UG/KG	U	U		
REG	2-Nitroaniline	3000	UG/KG	U	U		
REG	2-Nitrophenol	1200	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	3000	UG/KG	U	U		
REG	3-Nitroaniline	3000	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	1200	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	1200	UG/KG	U	U		
REG	4-Chloroaniline	1200	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	1200	UG/KG	U	U		
REG	4-Methylphenol	1200	UG/KG	U	U		
REG	4-Nitroaniline	3000	UG/KG	U	U		
REG	4-Nitrophenol	3000	UG/KG	U	U		
REG	4-chloro-3-methylphenol	1200	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-056(p) Griggy's Pond at pond outfall prior to existing RV

Northing: 15698.00
 Easting: 158813.00
 Elevation:

LL1sd-056(p)-0065-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Acenaphthene	1200	UG/KG	U	U		
REG	Acenaphthylene	1200	UG/KG	U	U		
REG	Anthracene	1200	UG/KG	U	U		
REG	Benzo(a)anthracene	1200	UG/KG	U	U		
REG	Benzo(a)pyrene	380	UG/KG	J	J		
REG	Benzo(b)fluoranthene	140	UG/KG	J	J		
REG	Benzo(g,h,i)perylene	1200	UG/KG	U	U		
REG	Benzo(k)fluoranthene	1200	UG/KG	U	U		
REG	Bis(2-chloroethoxy)methane	1200	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	1200	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	1200	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	1200	UG/KG	U	U		
REG	Carbazole	1200	UG/KG	U	U		
REG	Chrysene	120	UG/KG	J	J		
REG	Di-n-butyl Phthalate	1200	UG/KG	U	U		
REG	Di-n-octyl Phthalate	1200	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	1200	UG/KG	U	U		
REG	Dibenzofuran	1200	UG/KG	U	U		
REG	Diethyl Phthalate	1200	UG/KG	U	U		
REG	Dimethyl Phthalate	1200	UG/KG	U	U		
REG	Fluoranthene	130	UG/KG	J	J		
REG	Fluorene	1200	UG/KG	U	U		
REG	Hexachlorobenzene	1200	UG/KG	U	U		
REG	Hexachlorobutadiene	1200	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	1200	UG/KG	U	U		
REG	Hexachloroethane	1200	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	1200	UG/KG	U	U		
REG	Isophorone	1200	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	1200	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	1200	UG/KG	U	U		
REG	Naphthalene	1200	UG/KG	U	U		
REG	Pentachlorophenol	3000	UG/KG	U	U		
REG	Phenanthrene	1200	UG/KG	U	U		
REG	Phenol	1200	UG/KG	U	U		
REG	Pyrene	170	UG/KG	J	J		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	33200	MG/KG	=			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	9	UG/KG	U	UJ	G02,K01	
REG	1,1,2,2-Tetrachloroethane	9	UG/KG	U	UJ	G02,K01	
REG	1,1,2-Trichloroethane	9	UG/KG	U	UJ	G02,K01	
REG	1,1-Dichloroethane	9	UG/KG	U	UJ	G02,K01	
REG	1,1-Dichloroethene	9	UG/KG	U	UJ	G02,K01	
REG	1,2-Dichloroethane	9	UG/KG	U	UJ	G02,K01	
REG	1,2-Dichloropropane	9	UG/KG	U	UJ	G02,K01	
REG	1,2-cis-Dichloroethene	9	UG/KG	U	UJ	G02,K01	
REG	1,2-trans-Dichloroethene	9	UG/KG	U	UJ	G02,K01	
REG	1,3-cis-Dichloropropene	9	UG/KG	U	UJ	G02,K01	
REG	1,3-trans-Dichloropropene	9	UG/KG	U	UJ	G02,K01	
REG	2-Butanone	9	UG/KG	U	UJ	G02,K01	
REG	2-Hexanone	9	UG/KG	U	UJ	G02,K01	
REG	4-Methyl-2-pentanone	9	UG/KG	U	UJ	G02,K01	
REG	Acetone	300	UG/KG	J		C02,C05,G02	
REG	Benzene	9	UG/KG	U	UJ	G02,K01	
REG	Bromodichloromethane	9	UG/KG	U	UJ	G02,K01	
REG	Bromoform	9	UG/KG	U	UJ	G02,K01	
REG	Bromomethane	9	UG/KG	U	UJ	G02,K01	
REG	Carbon Disulfide	9	UG/KG	U	UJ	G02,K01	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1sd-056(p) Griggy's Pond at pond outfall prior to existing RV

Northing: 15698.00
Easting: 158813.00
Elevation:

LL1sd-056(p)-0065-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Carbon Tetrachloride	9	UG/KG	U	UJ	G02,K01	
REG	Chlorobenzene	9	UG/KG	U	UJ	G02,K01	
REG	Chloroethane	9	UG/KG	U	UJ	C02,G02,K01	
REG	Chloroform	5	UG/KG	J	J	G02,K01	
REG	Chloromethane	9	UG/KG	U	UJ	G02,K01	
REG	Dibromochloromethane	9	UG/KG	U	UJ	G02,K01	
REG	Ethylbenzene	9	UG/KG	U	UJ	G02,K01	
REG	Methylene Chloride	14	UG/KG	B	U	F01,F07,G02	
REG	Styrene	9	UG/KG	U	UJ	G02,K01	
REG	Tetrachloroethene	9	UG/KG	U	UJ	G02,K01	
REG	Toluene	9	UG/KG	U	UJ	G02,K01	
REG	Trichloroethene	9	UG/KG	U	UJ	G02,K01	
REG	Vinyl Chloride	9	UG/KG	U	UJ	G02,K01	
REG	Xylenes, Total	9	UG/KG	U	UJ	G02,K01	
REG	o-Xylene	9	UG/KG	U	UJ	G02,K01	

Location: Load Line 1
Station : LL1sd-057(p) Griggy's Pond at pond outfall prior to existing RV

Northing: 15344.00
Easting: 158854.00
Elevation:

LL1sd-057(p)-0067-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Aluminum	11000	MG/KG	=	=		
REG	Arsenic	10.8	MG/KG	=	=		
REG	Barium	117	MG/KG	=	=		
REG	Cadmium	1.6	MG/KG	=	=		
REG	Chromium	50.1	MG/KG	=	=		
REG	Lead	13.4	MG/KG	=	=		
REG	Manganese	2340	MG/KG	=	=		
REG	Mercury	0.05	MG/KG	B	J	F06	
REG	Selenium	4.1	MG/KG	=	=		
REG	Silver	0.3	MG/KG	U	U		
REG	Zinc	268	MG/KG	=	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	UJ	P02	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Organic Carbon	14700	MG/KG	=	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1sd-058(p) Charlie's Pond from pond along drainage axis

Northing: 16570.00
 Easting: 157997.00
 Elevation:

LL1sd-058(p)-0068-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	11400	MG/KG	*	=		
REG	Arsenic	67.1	MG/KG		=		
REG	Barium	75.3	MG/KG		=		
REG	Cadmium	0.31	MG/KG	B	J	F06	
REG	Chromium	14.6	MG/KG	*	=		
REG	Lead	15	MG/KG		=		
REG	Manganese	524	MG/KG	*	=		
REG	Mercury	0.04	MG/KG	U	U		
REG	Selenium	0.84	MG/KG		=		
REG	Silver	0.24	MG/KG	U	U		
REG	Zinc	50.9	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	7020	MG/KG		=		

Location: Load Line 1
 Station : LL1sd-059(p) Charlie's Pond from pond along drainage axis

Northing: 16464.00
 Easting: 158076.00
 Elevation:

LL1sd-059(p)-0069-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	N/A	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	10100	MG/KG	*	=		
REG	Arsenic	54.7	MG/KG		=		
REG	Barium	94	MG/KG		=		
REG	Cadmium	0.23	MG/KG	B	J	F06	
REG	Chromium	12	MG/KG	*	=		
REG	Lead	14.7	MG/KG		=		
REG	Manganese	373	MG/KG	*	=		
REG	Mercury	0.05	MG/KG	U	U		
REG	Selenium	0.76	MG/KG		=		
REG	Silver	0.29	MG/KG	U	U		
REG	Zinc	48.2	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1sd-059(p) Charlie's Pond from pond along drainage axis

Northing: 16464.00
 Easting: 158076.00
 Elevation:

LL1sd-059(p)-0069-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	N/A	PPM			
		Organic Vapor	0.2	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	14500	MG/KG	=			

Location: Load Line 1
 Station: LL1sd-060(p) Charlie's Pond at pond outfall and downstream prio

Northing: 16393.00
 Easting: 158134.00
 Elevation:

LL1sd-060(p)-0070-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	N/A	PPM			
		Organic Vapor	0.2	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	13100	MG/KG	*	=		
REG	Arsenic	28.5	MG/KG		=		
REG	Barium	84.4	MG/KG		=		
REG	Cadmium	0.58	MG/KG	B	J	F06	
REG	Chromium	82.3	MG/KG	*	=		
REG	Lead	19.2	MG/KG		=		
REG	Manganese	504	MG/KG	*	=		
REG	Mercury	0.08	MG/KG		=		
REG	Selenium	0.86	MG/KG	B	J	F06	
REG	Silver	0.37	MG/KG	U	U		
REG	Zinc	95.4	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	27700	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1sd-061(p) Charlie's Pond at pond outfall and downstream prio

Northing: 16404.00
 Easting: 158589.00
 Elevation:

LL1sd-061(p)-0071-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9210	MG/KG	*	=		
REG	Arsenic	29.9	MG/KG		=		
REG	Barium	71.4	MG/KG		=		
REG	Cadmium	0.6	MG/KG	B	J	F06	
REG	Chromium	65.5	MG/KG	*	=		
REG	Lead	23.3	MG/KG		=		
REG	Manganese	308	MG/KG	*	=		
REG	Mercury	0.09	MG/KG	U	U		
REG	Selenium	0.8	MG/KG	U	U		
REG	Silver	0.51	MG/KG	U	U		
REG	Zinc	97.2	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	146000	MG/KG		=		

Location: Load Line 1
 Station : LL1sd-062(p) Charlie's Pond from small pond located between Cha

Northing: 16186.00
 Easting: 158609.00
 Elevation:

LL1sd-062(p)-0072-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	12800	MG/KG	*	=		
REG	Arsenic	21.9	MG/KG		=		
REG	Barium	171	MG/KG		=		
REG	Cadmium	0.43	MG/KG	B	J	F06	
REG	Chromium	14.3	MG/KG	*	=		
REG	Lead	12.9	MG/KG		=		
REG	Manganese	195	MG/KG	*	=		
REG	Mercury	0.06	MG/KG		=		
REG	Selenium	0.5	MG/KG	U	U		
REG	Silver	0.32	MG/KG	U	U		
REG	Zinc	77.6	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1sd-062(p) Charlie's Pond from small pond located between Cha

Northing: 16186.00
Easting: 158609.00
Elevation:

LL1sd-062(p)-0072-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	26500	MG/KG	=			

Location: Load Line 1
Station : LL1sd-070(d) East of CA-14 in drainage channel

Northing: 17862.00
Easting: 154724.00
Elevation:

LL1sd-070(d)-0561-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/10/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	7310	MG/KG	=			
REG	Arsenic	10.4	MG/KG	N*	J	101, J04	
REG	Barium	65.9	MG/KG	=			
REG	Cadmium	0.99	MG/KG	=			
REG	Chromium	13.1	MG/KG	E	=		
REG	Lead	61.3	MG/KG	*	=		
REG	Manganese	777	MG/KG	*	J	J04	
REG	Mercury	0.07	MG/KG	*	=		
REG	Selenium	1.5	MG/KG	*	J	J04	
REG	Silver	0.25	MG/KG	U	U		
REG	Zinc	190	MG/KG	E	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		

Location: Load Line 1
Station : LL1sd-076(d) TBD: Near Griggy's Pond

Northing: 15326.00
Easting: 158320.00
Elevation:

LL1sd-076(d)-0684-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Sediment Collected: 08/21/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	38	PPM			
		Organic Vapor	0.4	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	11600	MG/KG	=			
REG	Arsenic	7.9	MG/KG	=			
REG	Barium	78.2	MG/KG	=			

Table APPENDIX G2

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1sd-076(d) TBD: Near Griggy's Pond

Northing: 15326.00
Easting: 158320.00
Elevation:

LL1sd-076(d)-0684-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Sediment Collected: 08/21/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Chromium	12.1	MG/KG	=	=	
REG	Lead	19.1	MG/KG	*	=	
REG	Manganese	80.1	MG/KG	*	=	
REG	Mercury	0.05	MG/KG	U	U	
REG	Selenium	0.43	MG/KG	B	J	F06
REG	Silver	0.26	MG/KG	U	U	
REG	Zinc	62.4	MG/KG	=	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	UJ	H02,P02
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	UJ	H02,P02
REG	3-Nitrotoluene	250	UG/KG	U	UJ	H02,P02
REG	4-Nitrotoluene	250	UG/KG	U	UJ	H02,P02
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	UJ	H02,P02
REG	Tetryl	650	UG/KG	U	UJ	H02,P02

Location: Load Line 1
Station: LL1sd-077(d) TBD: Charles Pond

Northing: 16408.00
Easting: 157766.00
Elevation:

LL1sd-077(d)-0685-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Sediment Collected: 08/21/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11500	MG/KG	=	=	
REG	Arsenic	10	MG/KG	=	=	
REG	Barium	67.4	MG/KG	=	=	
REG	Cadmium	1.5	MG/KG	=	=	
REG	Chromium	14.3	MG/KG	=	=	
REG	Lead	36.8	MG/KG	*	=	
REG	Manganese	298	MG/KG	*	=	
REG	Mercury	0.04	MG/KG	U	U	
REG	Selenium	0.62	MG/KG	=	=	
REG	Silver	0.22	MG/KG	U	U	
REG	Zinc	59.6	MG/KG	=	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	UJ	H02,P02
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	UJ	H02,P02
REG	3-Nitrotoluene	250	UG/KG	U	UJ	H02,P02
REG	4-Nitrotoluene	250	UG/KG	U	UJ	H02,P02
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	UJ	H02,P02
REG	Tetryl	650	UG/KG	U	UJ	H02,P02

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2sd-030(d) Inside storm drain

Northing: 13801.00
Easting: 152373.00
Elevation:

LL2sd-030(d)-0122-SD 0.0 - 0.3 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/10/96

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.1	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	4390	MG/KG	=		
REG	Antimony	0.31	MG/KG	U	U	
REG	Arsenic	10.8	MG/KG	=		
REG	Barium	53.3	MG/KG	=		
REG	Beryllium	0.32	MG/KG	=		
REG	Cadmium	0.99	MG/KG	=		
REG	Calcium	17800	MG/KG	=		
REG	Chromium	13.5	MG/KG	=		
REG	Cobalt	3.7	MG/KG	=		
REG	Copper	25.5	MG/KG	=		
REG	Iron	19800	MG/KG	=		
REG	Lead	27.8	MG/KG	=		
REG	Magnesium	1890	MG/KG	=		
REG	Manganese	270	MG/KG	=		
REG	Mercury	0.03	MG/KG	U	U	
REG	Nickel	12.1	MG/KG	=		
REG	Potassium	363	MG/KG	B	J	F06
REG	Selenium	0.56	MG/KG	=		
REG	Silver	0.2	MG/KG	U	U	
REG	Sodium	173	MG/KG	B	J	F06
REG	Thallium	1	MG/KG	=		
REG	Vanadium	9.3	MG/KG	=		
REG	Zinc	99	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	2.7	UG/KG	U	UJ	C08
REG	4,4'-DDE	2.7	UG/KG	U	U	
REG	4,4'-DDT	2.7	UG/KG	U	UJ	C08
REG	Aldrin	1.4	UG/KG	U	U	
REG	Alpha-Chlordane	1.4	UG/KG	U	U	
REG	Alpha-BHC	1.4	UG/KG	U	U	
REG	Aroclor-1016	36	UG/KG	U	U	
REG	Aroclor-1221	36	UG/KG	U	U	
REG	Aroclor-1232	36	UG/KG	U	U	
REG	Aroclor-1242	36	UG/KG	U	U	
REG	Aroclor-1248	36	UG/KG	U	U	
REG	Aroclor-1254	73	UG/KG	U	U	
REG	Aroclor-1260	73	UG/KG	U	U	
REG	Beta-BHC	1.4	UG/KG	U	U	
REG	Delta-BHC	1.4	UG/KG	U	U	
REG	Dieldrin	2.7	UG/KG	U	U	
REG	Endosulfan I	1.4	UG/KG	U	U	
REG	Endosulfan II	2.7	UG/KG	U	U	
REG	Endosulfan Sulfate	2.7	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2sd-030(d) Inside storm drain

Northing: 13801.00
 Easting: 152373.00
 Elevation:

LL2sd-030(d)-0122-SD 0.0 - 0.3 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/10/96

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Endrin	2.7	UG/KG	U	UJ	C08
REG	Endrin Aldehyde	2.7	UG/KG	U	U	
REG	Endrin Ketone	2.7	UG/KG	U	U	
REG	Gamma Chlordane	1.4	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	1.4	UG/KG	U	U	
REG	Heptachlor	1.4	UG/KG	U	U	
REG	Heptachlor Epoxide	1.4	UG/KG	U	U	
REG	Methoxychlor	14	UG/KG	U	UJ	C08
REG	Toxaphene	90	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	720	UG/KG	U	U	
REG	1,2-Dichlorobenzene	720	UG/KG	U	U	
REG	1,3-Dichlorobenzene	720	UG/KG	U	U	
REG	1,4-Dichlorobenzene	720	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	720	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1700	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	720	UG/KG	U	U	
REG	2,4-Dichlorophenol	720	UG/KG	U	U	
REG	2,4-Dimethylphenol	720	UG/KG	U	U	
REG	2,4-Dinitrophenol	1700	UG/KG	U	UJ	C05
REG	2-Chloronaphthalene	720	UG/KG	U	U	
REG	2-Chlorophenol	720	UG/KG	U	U	
REG	2-Methylnaphthalene	720	UG/KG	U	U	
REG	2-Methylphenol	720	UG/KG	U	U	
REG	2-Nitroaniline	1700	UG/KG	U	U	
REG	2-Nitrophenol	720	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1700	UG/KG	U	U	
REG	3-Nitroaniline	1700	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	720	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	720	UG/KG	U	U	
REG	4-Chloroaniline	720	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	720	UG/KG	U	U	
REG	4-Methylphenol	720	UG/KG	U	U	
REG	4-Nitroaniline	1700	UG/KG	U	U	
REG	4-Nitrophenol	1700	UG/KG	U	U	
REG	4-chloro-3-methylphenol	720	UG/KG	U	U	
REG	Acenaphthene	720	UG/KG	U	U	
REG	Acenaphthylene	720	UG/KG	U	U	
REG	Anthracene	720	UG/KG	U	U	
REG	Benzo(a)anthracene	76	UG/KG	J	J	
REG	Benzo(a)pyrene	720	UG/KG	U	U	
REG	Benzo(b)fluoranthene	130	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	720	UG/KG	U	U	
REG	Benzo(k)fluoranthene	88	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	720	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	720	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	720	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	720	UG/KG	U	U	
REG	Carbazole	720	UG/KG	U	U	
REG	Chrysene	110	UG/KG	J	J	
REG	Di-n-butyl Phthalate	110	UG/KG	J	J	
REG	Di-n-octyl Phthalate	720	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	720	UG/KG	U	U	
REG	Dibenzofuran	720	UG/KG	U	U	
REG	Diethyl Phthalate	720	UG/KG	U	U	
REG	Dimethyl Phthalate	720	UG/KG	U	U	
REG	Fluoranthene	130	UG/KG	J	J	
REG	Fluorene	720	UG/KG	U	U	
REG	Hexachlorobenzene	720	UG/KG	U	U	
REG	Hexachlorobutadiene	720	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	720	UG/KG	U	UJ	C05
REG	Hexachloroethane	720	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	720	UG/KG	U	U	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2sd-030(d) Inside storm drain

Northing: 13801.00
Easting: 152373.00
Elevation:

LL2sd-030(d)-0122-SD 0.0 - 0.3 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/10/96

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Isophorone	720	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	720	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	720	UG/KG	U	U	
REG	Naphthalene	720	UG/KG	U	U	
REG	Pentachlorophenol	1700	UG/KG	U	U	
REG	Phenanthrene	720	UG/KG	U	U	
REG	Phenol	720	UG/KG	U	U	
REG	Pyrene	82	UG/KG	J	J	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5	UG/KG	U	U	
REG	1,1-Dichloroethane	5	UG/KG	U	U	
REG	1,1-Dichloroethene	5	UG/KG	U	U	
REG	1,2-Dichloroethane	5	UG/KG	U	U	
REG	1,2-Dichloropropane	5	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	5	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	5	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5	UG/KG	U	U	
REG	2-Butanone	5	UG/KG	U	U	
REG	2-Hexanone	5	UG/KG	U	U	
REG	4-Methyl-2-pentanone	5	UG/KG	U	U	
REG	Acetone	5	UG/KG	U	UJ	C05
REG	Benzene	5	UG/KG	U	U	
REG	Bromodichloromethane	5	UG/KG	U	U	
REG	Bromoform	5	UG/KG	U	U	
REG	Bromomethane	5	UG/KG	U	U	
REG	Carbon Disulfide	5	UG/KG	U	U	
REG	Carbon Tetrachloride	5	UG/KG	U	U	
REG	Chlorobenzene	5	UG/KG	U	U	
REG	Chloroethane	5	UG/KG	U	UJ	C02
REG	Chloroform	3	UG/KG	J	J	
REG	Chloromethane	5	UG/KG	U	U	
REG	Dibromochloromethane	5	UG/KG	U	U	
REG	Ethylbenzene	5	UG/KG	U	U	
REG	Methylene Chloride	5	UG/KG	JB	U	F01,F06
REG	Styrene	5	UG/KG	U	U	
REG	Tetrachloroethene	5	UG/KG	U	U	
REG	Toluene	5	UG/KG	U	U	
REG	Trichloroethene	5	UG/KG	U	U	
REG	Vinyl Chloride	5	UG/KG	U	U	
REG	Xylenes, Total	5	UG/KG	U	U	
REG	o-Xylene	5	UG/KG	U	U	

Location: Load Line 2
Station : LL2sd-046(d) Inside storm drain

Northing: 16116.00
Easting: 151172.00
Elevation:

LL2sd-046(d)-0140-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	10100	MG/KG	=	=	
REG	Arsenic	15.4	MG/KG	=	=	
REG	Barium	58.3	MG/KG	=	=	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Chromium	11.4	MG/KG	=	=	
REG	Lead	15.7	MG/KG	*	=	
REG	Manganese	877	MG/KG	*	=	
REG	Mercury	0.04	MG/KG	U	U	
REG	Selenium	0.38	MG/KG	B	J	F06
REG	Silver	0.22	MG/KG	U	=	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2sd-046(d) Inside storm drain

Northing: 16116.00
Easting: 151172.00
Elevation:

LL2sd-046(d)-0140-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	85	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Zinc	81	MG/KG	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U U		
REG	1,3-Dinitrobenzene	250	UG/KG	U UJ	H02,P02	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U U		
REG	2,4-Dinitrotoluene	250	UG/KG	U UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U U		
REG	2-Nitrotoluene	250	UG/KG	U UJ	H02,P02	
REG	3-Nitrotoluene	250	UG/KG	U UJ	H02,P02	
REG	4-Nitrotoluene	250	UG/KG	U UJ	H02,P02	
REG	HMX	2000	UG/KG	U U		
REG	Nitrobenzene	260	UG/KG	U U		
REG	RDX	1000	UG/KG	U UJ	H02,P02	
REG	Tetryl	650	UG/KG	U UJ	H02,P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Organic Carbon	3380	MG/KG	=		

Location: Load Line 2
Station: LL2sd-047(d) Drainage channel on east side of load line area

Northing: 14699.00
Easting: 152887.00
Elevation:

LL2sd-047(d)-0141-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	85	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Aluminum	18000	MG/KG	=		
REG	Arsenic	6.5	MG/KG	*	=	
REG	Barium	83.9	MG/KG		=	
REG	Cadmium	0.09	MG/KG	B U	F01	
REG	Chromium	19.4	MG/KG	*	=	
REG	Lead	14.9	MG/KG		=	
REG	Manganese	129	MG/KG	N J	I02	
REG	Mercury	0.08	MG/KG		=	
REG	Selenium	1.5	MG/KG		=	
REG	Silver	0.25	MG/KG	U U		
REG	Zinc	37.9	MG/KG	*	=	
Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U U		
REG	1,3-Dinitrobenzene	250	UG/KG	U U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U U		
REG	2,4-Dinitrotoluene	250	UG/KG	U UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U U		
REG	2-Nitrotoluene	250	UG/KG	U U		
REG	3-Nitrotoluene	250	UG/KG	U U		
REG	4-Nitrotoluene	250	UG/KG	U U		
REG	HMX	2000	UG/KG	U U		
REG	Nitrobenzene	260	UG/KG	U U		
REG	RDX	1000	UG/KG	U U		
REG	Tetryl	650	UG/KG	U U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	5300	MG/KG	=		

Location: Load Line 2
Station: LL2sd-048(d) Drainage channel on south side of load line area a

Northing: 12732.00
Easting: 153274.00
Elevation:

LL2sd-048(d)-0142-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	82	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.11	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10000	MG/KG	=		
REG	Antimony	0.33	MG/KG	U	U	
REG	Arsenic	14.3	MG/KG	=		
REG	Barium	67.1	MG/KG	=		
REG	Beryllium	1.2	MG/KG	=		
REG	Cadmium	0.04	MG/KG	U	U	
REG	Calcium	1450	MG/KG	=		
REG	Chromium	22.6	MG/KG	=		
REG	Cobalt	12.2	MG/KG	=		
REG	Copper	21.6	MG/KG	=		
REG	Iron	38800	MG/KG	=		
REG	Lead	16	MG/KG	=		
REG	Magnesium	2740	MG/KG	=		
REG	Manganese	493	MG/KG	=		
REG	Mercury	0.05	MG/KG	=		
REG	Nickel	36	MG/KG	=		
REG	Potassium	1540	MG/KG	=		
REG	Selenium	2.3	MG/KG	=		
REG	Silver	0.21	MG/KG	U	U	
REG	Sodium	263	MG/KG	=		
REG	Thallium	4.2	MG/KG	=		
REG	Vanadium	18.4	MG/KG	=		
REG	Zinc	59.4	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	2.8	UG/KG	U	UJ	C08,G02
REG	4,4'-DDE	2.8	UG/KG	U	UJ	G02
REG	4,4'-DDT	2.8	UG/KG	U	UJ	C08,G02
REG	Aldrin	1.4	UG/KG	U	UJ	G02
REG	Alpha Chlordane	1.4	UG/KG	U	UJ	G02
REG	Alpha-BHC	1.4	UG/KG	U	UJ	G02
REG	Aroclor-1016	37	UG/KG	U	UJ	G02
REG	Aroclor-1221	37	UG/KG	U	UJ	G02
REG	Aroclor-1232	37	UG/KG	U	UJ	G02
REG	Aroclor-1242	37	UG/KG	U	UJ	G02
REG	Aroclor-1248	37	UG/KG	U	UJ	G02

Table APPENDIX G2

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2sd-048(d) Drainage channel on south side of load line area a

Northing: 12732.00
 Easting: 153274.00
 Elevation:

LL2sd-048(d)-0142-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	78	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aroclor-1254	74	UG/KG	U	UJ	G02	
REG	Aroclor-1260	74	UG/KG	U	UJ	G02	
REG	Beta-BHC	1.4	UG/KG	U	UJ	G02	
REG	Delta-BHC	1.4	UG/KG	U	UJ	G02	
REG	Dieldrin	2.8	UG/KG	U	UJ	G02	
REG	Endosulfan I	1.4	UG/KG	U	UJ	G02	
REG	Endosulfan II	2.8	UG/KG	U	UJ	G02	
REG	Endosulfan Sulfate	2.8	UG/KG	U	UJ	G02	
REG	Endrin	2.8	UG/KG	U	UJ	G02	
REG	Endrin Aldehyde	2.8	UG/KG	U	UJ	G02	
REG	Endrin Ketone	2.8	UG/KG	U	UJ	G02	
REG	Gamma Chlordane	1.4	UG/KG	U	UJ	G02	
REG	Gamma-BHC (Lindane)	1.4	UG/KG	U	UJ	G02	
REG	Heptachlor	1.4	UG/KG	U	UJ	G02	
REG	Heptachlor Epoxide	1.4	UG/KG	U	UJ	G02	
REG	Methoxychlor	14	UG/KG	U	UJ	C08,G02	
REG	Toxaphene	92	UG/KG	U	UJ	G02	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	370	UG/KG	U	U		
REG	1,2-Dichlorobenzene	370	UG/KG	U	U		
REG	1,3-Dichlorobenzene	370	UG/KG	U	U		
REG	1,4-Dichlorobenzene	370	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	370	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	890	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	370	UG/KG	U	U		
REG	2,4-Dichlorophenol	370	UG/KG	U	U		
REG	2,4-Dimethylphenol	370	UG/KG	U	U		
REG	2,4-Dinitrophenol	890	UG/KG	U	UJ	C05	
REG	2-Chloronaphthalene	370	UG/KG	U	U		
REG	2-Chlorophenol	370	UG/KG	U	U		
REG	2-Methylnaphthalene	370	UG/KG	U	U		
REG	2-Methylphenol	370	UG/KG	U	U		
REG	2-Nitroaniline	890	UG/KG	U	U		
REG	2-Nitrophenol	370	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	890	UG/KG	U	U		
REG	3-Nitroaniline	890	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	370	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	370	UG/KG	U	U		
REG	4-Chloroaniline	370	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	370	UG/KG	U	U		
REG	4-Methylphenol	370	UG/KG	U	U		
REG	4-Nitroaniline	890	UG/KG	U	U		
REG	4-Nitrophenol	890	UG/KG	U	U		
REG	4-chloro-3-methylphenol	370	UG/KG	U	U		
REG	Acenaphthene	370	UG/KG	U	U		
REG	Acenaphthylene	370	UG/KG	U	U		
REG	Anthracene	370	UG/KG	U	U		
REG	Benzo(a)anthracene	370	UG/KG	U	U		
REG	Benzo(a)pyrene	370	UG/KG	U	U		
REG	Benzo(b)fluoranthene	370	UG/KG	U	U		
REG	Benzo(g,h,i)perylene	370	UG/KG	U	U		
REG	Benzo(k)fluoranthene	370	UG/KG	U	U		
REG	Bis(2-chloroethoxy)methane	370	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	370	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	370	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	370	UG/KG	U	U		
REG	Carbazole	370	UG/KG	U	U		
REG	Chrysene	370	UG/KG	U	U		
REG	Di-n-butyl Phthalate	370	UG/KG	U	U		
REG	Di-n-octyl Phthalate	370	UG/KG	U	U		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2sd-048(d) Drainage channel on south side of load line area a

Northing: 12732.00
Easting: 153274.00
Elevation:

LL2sd-048(d)-0142-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	78	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Dibenzo(a,h)anthracene	370	UG/KG	U	U			
REG	Dibenzofuran	370	UG/KG	U	U			
REG	Diethyl Phthalate	370	UG/KG	U	U			
REG	Dimethyl Phthalate	370	UG/KG	U	U			
REG	Fluoranthene	370	UG/KG	U	U			
REG	Fluorene	370	UG/KG	U	U			
REG	Hexachlorobenzene	370	UG/KG	U	U			
REG	Hexachlorobutadiene	370	UG/KG	U	U			
REG	Hexachlorocyclopentadiene	370	UG/KG	U	UJ	C05		
REG	Hexachloroethane	370	UG/KG	U	U			
REG	Indeno(1,2,3-cd)pyrene	370	UG/KG	U	U			
REG	Isophorone	370	UG/KG	U	U			
REG	N-Nitroso-di-n-propylamine	370	UG/KG	U	U			
REG	N-Nitrosodiphenylamine	370	UG/KG	U	U			
REG	Naphthalene	370	UG/KG	U	U			
REG	Pentachlorophenol	890	UG/KG	U	U			
REG	Phenanthrene	370	UG/KG	U	U			
REG	Phenol	370	UG/KG	U	U			
REG	Pyrene	370	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	3520	MG/KG	=				
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,1,1-Trichloroethane	6	UG/KG	U	U			
REG	1,1,2,2-Tetrachloroethane	6	UG/KG	U	U			
REG	1,1,2-Trichloroethane	6	UG/KG	U	U			
REG	1,1-Dichloroethane	6	UG/KG	U	U			
REG	1,1-Dichloroethene	6	UG/KG	U	U			
REG	1,2-Dichloroethane	6	UG/KG	U	U			
REG	1,2-Dichloropropane	6	UG/KG	U	U			
REG	1,2-cis-Dichloroethene	6	UG/KG	U	U			
REG	1,2-trans-Dichloroethene	6	UG/KG	U	U			
REG	1,3-cis-Dichloropropene	6	UG/KG	U	U			
REG	1,3-trans-Dichloropropene	6	UG/KG	U	U			
REG	2-Butanone	6	UG/KG	U	U			
REG	2-Hexanone	6	UG/KG	U	U			
REG	4-Methyl-2-pentanone	6	UG/KG	U	U			
REG	Acetone	6	UG/KG	U	U			
REG	Benzene	6	UG/KG	U	U			
REG	Bromodichloromethane	6	UG/KG	U	U			
REG	Bromoform	6	UG/KG	U	U			
REG	Bromomethane	6	UG/KG	U	U			
REG	Carbon Disulfide	6	UG/KG	U	U			
REG	Carbon Tetrachloride	6	UG/KG	U	U			
REG	Chlorobenzene	6	UG/KG	U	U			
REG	Chloroethane	6	UG/KG	U	UJ	C02		
REG	Chloroform	6	UG/KG	U	U			
REG	Chloromethane	6	UG/KG	U	U			
REG	Dibromochloromethane	6	UG/KG	U	U			
REG	Ethylbenzene	6	UG/KG	U	U			
REG	Methylene Chloride	6	UG/KG	U	U			
REG	Styrene	6	UG/KG	U	U			
REG	Tetrachloroethene	6	UG/KG	U	U			
REG	Toluene	6	UG/KG	U	U			
REG	Trichloroethene	6	UG/KG	U	U			
REG	Vinyl Chloride	6	UG/KG	U	U			
REG	Xylenes, Total	6	UG/KG	U	U			
REG	o-Xylene	6	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2sd-049(d) Drainage channel on south side outside load line a

Northing: 11900.00
Easting: 153108.00
Elevation:

LL2sd-049(d)-0144-SD 0.0 - 1.4 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	78	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	12000	MG/KG	=				
REG	Arsenic	19.8	MG/KG	*	=			
REG	Barium	90.9	MG/KG		=			
REG	Cadmium	0.25	MG/KG	B	U	F01		
REG	Chromium	21.3	MG/KG	*	=			
REG	Lead	25.7	MG/KG		=			
REG	Manganese	380	MG/KG	N	J	I02		
REG	Mercury	0.06	MG/KG		=			
REG	Selenium	1.7	MG/KG		=			
REG	Silver	0.22	MG/KG	U	U			
REG	Zinc	103	MG/KG	*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	860	UG/KG	P	J	M08		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	2960	MG/KG		=			

Location: Load Line 2
Station : LL2sd-050(d) Drainage channel on west side outside load line ar

Northing: 13694.00
Easting: 151534.00
Elevation:

LL2sd-050(d)-0145-SD 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	78	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	4920	MG/KG	=				
REG	Arsenic	6.2	MG/KG	*	=			
REG	Barium	38.4	MG/KG		=			
REG	Cadmium	0.29	MG/KG	B	U	F01		
REG	Chromium	8.2	MG/KG	*	=			
REG	Lead	8.8	MG/KG		=			
REG	Manganese	403	MG/KG	N	J	I02		
REG	Mercury	0.04	MG/KG	U	U			
REG	Selenium	0.79	MG/KG		=			
REG	Silver	0.24	MG/KG	U	U			
REG	Zinc	35.1	MG/KG	*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 R1

Location: Load Line 2
Station : LL2sd-050(d) Drainage channel on west side outside load line ar

Northing: 13694.00
Easting: 151534.00
Elevation:

LL2sd-050(d)-0145-SD 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	82	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	8920	MG/KG	=			

Location: Load Line 2
Station : LL2sd-051(d) Drainage channel on west side downgradient from lo

Northing: 12895.00
Easting: 150288.00
Elevation:

LL2sd-051(d)-0146-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/20/96

Field Measurements		Air Temperature	82	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	16900	MG/KG	=			
REG	Arsenic	3.5	MG/KG	=			
REG	Barium	178	MG/KG	=			
REG	Cadmium	0.06	MG/KG	U	U		
REG	Chromium	18.1	MG/KG	=			
REG	Lead	13.2	MG/KG	*	=		
REG	Manganese	74	MG/KG	*	=		
REG	Mercury	0.05	MG/KG	U	U		
REG	Selenium	0.41	MG/KG	U	U		
REG	Silver	0.26	MG/KG	U	U		
REG	Zinc	62.8	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	UJ	H02,P02	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	UJ	H02,P02	
REG	3-Nitrotoluene	250	UG/KG	U	UJ	H02,P02	
REG	4-Nitrotoluene	250	UG/KG	U	UJ	H02,P02	
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	UJ	H02,P02	
REG	Tetryl	650	UG/KG	U	UJ	H02,P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	9630	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2sd-052(p) Kelly's Pond from pond along drainage axis and at

Northing: 11290.00
 Easting: 153385.00
 Elevation:

LL2sd-052(p)-0147-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	85	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.19	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10400	MG/KG		=	
REG	Antimony	10.2	MG/KG		=	
REG	Arsenic	9.2	MG/KG		=	
REG	Barium	89.8	MG/KG		=	
REG	Beryllium	0.76	MG/KG		=	
REG	Cadmium	0.9	MG/KG	B	J	F06
REG	Calcium	2480	MG/KG		=	
REG	Chromium	129	MG/KG		=	
REG	Cobalt	10.9	MG/KG		=	
REG	Copper	167	MG/KG		=	
REG	Iron	21400	MG/KG		=	
REG	Lead	85.1	MG/KG		=	
REG	Magnesium	2120	MG/KG		=	
REG	Manganese	337	MG/KG		=	
REG	Mercury	0.09	MG/KG		=	
REG	Nickel	22	MG/KG		=	
REG	Potassium	957	MG/KG	B	J	F06
REG	Selenium	0.57	MG/KG	U	U	
REG	Silver	0.36	MG/KG	U	U	
REG	Sodium	277	MG/KG	B	J	F06
REG	Thallium	2.3	MG/KG		=	
REG	Vanadium	20.1	MG/KG		=	
REG	Zinc	299	MG/KG		=	
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	700	UG/KG	P	J	M08
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	4.8	UG/KG	U	U	
REG	4,4'-DDE	4.8	UG/KG	U	U	
REG	4,4'-DDT	4.8	UG/KG	U	UJ	C08
REG	Aldrin	2.5	UG/KG	U	U	
REG	Alpha Chlordane	2.5	UG/KG	U	UJ	C08
REG	Alpha-BHC	2.5	UG/KG	U	U	
REG	Aroclor-1016	63	UG/KG	U	U	
REG	Aroclor-1221	63	UG/KG	U	U	
REG	Aroclor-1232	63	UG/KG	U	U	
REG	Aroclor-1242	63	UG/KG	U	U	
REG	Aroclor-1248	63	UG/KG	U	U	
REG	Aroclor-1254	130	UG/KG	U	U	
REG	Aroclor-1260	130	UG/KG	U	U	
REG	Beta-BHC	2.5	UG/KG	U	U	
REG	Delta-BHC	2.5	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2sd-052(p) Kelly's Pond from pond along drainage axis and at

Northing: 11290.00
 Easting: 153385.00
 Elevation:

LL2sd-052(p)-0147-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Dieldrin	4.8	UG/KG	U	U		
REG	Endosulfan I	2.5	UG/KG	U	UJ	C08	
REG	Endosulfan II	4.8	UG/KG	U	UJ	C08	
REG	Endosulfan Sulfate	4.8	UG/KG	U	U		
REG	Endrin	22	UG/KG	P	J	C08,M08	
REG	Endrin Aldehyde	4.8	UG/KG	U	UJ	C08	
REG	Endrin Ketone	4.8	UG/KG	U	UJ	C08	
REG	Gamma-Chlordane	2.5	UG/KG	U	UJ	C08	
REG	Gamma-BHC (Lindane)	2.5	UG/KG	U	U		
REG	Heptachlor	2.5	UG/KG	U	UJ	C08	
REG	Heptachlor Epoxide	2.5	UG/KG	U	U		
REG	Methoxychlor	25	UG/KG	U	UJ	C08	
REG	Toxaphene	160	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	1300	UG/KG	U	U		
REG	1,2-Dichlorobenzene	1300	UG/KG	U	U		
REG	1,3-Dichlorobenzene	1300	UG/KG	U	U		
REG	1,4-Dichlorobenzene	1300	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	1300	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	3100	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	1300	UG/KG	U	U		
REG	2,4-Dichlorophenol	1300	UG/KG	U	U		
REG	2,4-Dimethylphenol	1300	UG/KG	U	U		
REG	2,4-Dinitrophenol	3100	UG/KG	U	U		
REG	2-Chloronaphthalene	1300	UG/KG	U	U		
REG	2-Chlorophenol	1300	UG/KG	U	U		
REG	2-Methylnaphthalene	170	UG/KG	J	J		
REG	2-Methylphenol	1300	UG/KG	U	U		
REG	2-Nitroaniline	3100	UG/KG	U	U		
REG	2-Nitrophenol	1300	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	3100	UG/KG	U	U		
REG	3-Nitroaniline	3100	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	1300	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	1300	UG/KG	U	U		
REG	4-Chloroaniline	1300	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	1300	UG/KG	U	U		
REG	4-Methylphenol	1300	UG/KG	U	U		
REG	4-Nitroaniline	3100	UG/KG	U	U		
REG	4-Nitrophenol	3100	UG/KG	U	U		
REG	4-chloro-3-methylphenol	1300	UG/KG	U	U		
REG	Acenaphthene	1400	UG/KG		=		
REG	Acenaphthylene	310	UG/KG	J	J		
REG	Anthracene	2600	UG/KG		=		
REG	Benzo(a)anthracene	9500	UG/KG		=		
REG	Benzo(a)pyrene	15000	UG/KG		=		
REG	Benzo(b)fluoranthene	14000	UG/KG		=		
REG	Benzo(g,h,i)perylene	11000	UG/KG		=		
REG	Benzo(k)fluoranthene	19000	UG/KG		=		
REG	Bis(2-chloroethoxy)methane	1300	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	1300	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	1300	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	1300	UG/KG	U	U		
REG	Carbazole	3000	UG/KG		=		
REG	Chrysene	15000	UG/KG		=		
REG	Di-n-butyl Phthalate	1300	UG/KG	U	U		
REG	Di-n-octyl Phthalate	1300	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	5400	UG/KG		=		
REG	Dibenzofuran	500	UG/KG	J	J		
REG	Diethyl Phthalate	1300	UG/KG	U	U		
REG	Dimethyl Phthalate	1300	UG/KG	U	U		
REG	Fluoranthene	30000	UG/KG	D	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2sd-052(p) Kelly's Pond from pond along drainage axis and at

Northing: 11290.00
 Easting: 153385.00
 Elevation:

LL2sd-052(p)-0147-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Fluorene	1100	UG/KG	J	J		
REG	Hexachlorobenzene	1300	UG/KG	U	U		
REG	Hexachlorobutadiene	1300	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	1300	UG/KG	U	UJ	C05	
REG	Hexachloroethane	1300	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	9900	UG/KG		=		
REG	Isophorone	1300	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	1300	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	1300	UG/KG	U	U		
REG	Naphthalene	1300	UG/KG	U	U		
REG	Pentachlorophenol	3100	UG/KG	U	U		
REG	Phenanthrene	13000	UG/KG		=		
REG	Phenol	1300	UG/KG	U	U		
REG	Pyrene	25000	UG/KG	D	=		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	30800	MG/KG		=		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	10	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	10	UG/KG	U	U		
REG	1,1,2-Trichloroethane	10	UG/KG	U	U		
REG	1,1-Dichloroethane	10	UG/KG	U	U		
REG	1,1-Dichloroethene	10	UG/KG	U	U		
REG	1,2-Dichloroethane	10	UG/KG	U	U		
REG	1,2-Dichloropropane	10	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	10	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	10	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	10	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	10	UG/KG	U	U		
REG	2-Butanone	10	UG/KG	U	U		
REG	2-Hexanone	10	UG/KG	U	U		
REG	4-Methyl-2-pentanone	10	UG/KG	U	U		
REG	Acetone	99	UG/KG		J	C02,C05	
REG	Benzene	10	UG/KG	U	U		
REG	Bromodichloromethane	10	UG/KG	U	U		
REG	Bromoform	10	UG/KG	U	U		
REG	Bromomethane	10	UG/KG	U	U		
REG	Carbon Disulfide	10	UG/KG	U	U		
REG	Carbon Tetrachloride	10	UG/KG	U	U		
REG	Chlorobenzene	10	UG/KG	U	U		
REG	Chloroethane	10	UG/KG	U	UJ	C02	
REG	Chloroform	10	UG/KG	U	U		
REG	Chloromethane	10	UG/KG	U	U		
REG	Dibromochloromethane	10	UG/KG	U	U		
REG	Ethylbenzene	10	UG/KG	U	U		
REG	Methylene Chloride	10	UG/KG	B	U	F01,F06	
REG	Styrene	10	UG/KG	U	U		
REG	Tetrachloroethene	10	UG/KG	U	U		
REG	Toluene	6	UG/KG	J	J		
REG	Trichloroethene	10	UG/KG	U	U		
REG	Vinyl Chloride	10	UG/KG	U	U		
REG	Xylenes, Total	10	UG/KG	U	U		
REG	o-Xylene	10	UG/KG	U	U		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2sd-053(p) Kelly's Pond from pond along drainage axis and at

Northing: 11295.00
Easting: 153556.00
Elevation:

LL2sd-053(p)-0148-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	14800	MG/KG	*	=			
REG	Arsenic	9.4	MG/KG	N	=			
REG	Barium	102	MG/KG	*	=			
REG	Cadmium	0.54	MG/KG	B	J	F06		
REG	Chromium	44.6	MG/KG	*	=			
REG	Lead	60	MG/KG	*	=			
REG	Manganese	266	MG/KG		=			
REG	Mercury	0.07	MG/KG		J	F06		
REG	Selenium	0.49	MG/KG	UN	U			
REG	Silver	0.31	MG/KG	U	U			
REG	Zinc	153	MG/KG	N	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	350	UG/KG	P	J	M08		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	19200	MG/KG		=			

Location: Load Line 2
Station : LL2sd-054(p) Kelly's Pond at pond outfall

Northing: 11295.00
Easting: 153671.00
Elevation:

LL2sd-054(p)-0149-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	5680	MG/KG	*	=			
REG	Arsenic	11.5	MG/KG	N	=			
REG	Barium	43.4	MG/KG	*	=			
REG	Cadmium	0.26	MG/KG	B	J	F06		
REG	Chromium	17.5	MG/KG	*	=			
REG	Lead	45.8	MG/KG	*	=			
REG	Manganese	352	MG/KG		=			
REG	Mercury	0.04	MG/KG	U	U			
REG	Selenium	0.39	MG/KG	UN	U			
REG	Silver	0.25	MG/KG	U	U			
REG	Zinc	57	MG/KG	N	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2sd-054(p) Kelly's Pond at pond outfall

Northing: 11295.00
Easting: 153671.00
Elevation:

LL2sd-054(p)-0149-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	6220	MG/KG	=			

Location: Load Line 2
Station: LL2sd-055(p) Kelly's Pond from pond drainage channel prior to e

Northing: 11360.00
Easting: 154569.00
Elevation:

LL2sd-055(p)-0150-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	3160	MG/KG	=			
REG	Arsenic	9.6	MG/KG	=			
REG	Barium	32.4	MG/KG	=			
REG	Cadmium	0.3	MG/KG	B	J	F06	
REG	Chromium	6.2	MG/KG	=			
REG	Lead	11.8	MG/KG	=			
REG	Manganese	442	MG/KG	=			
REG	Mercury	0.05	MG/KG	B	J	F06	
REG	Selenium	0.79	MG/KG	=			
REG	Silver	23.1	MG/KG	=			
REG	Zinc	48.6	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	UJ	P02	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	10500	MG/KG	=			

LL2sd-055(p)-0151-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	3100	MG/KG	=			
REG	Arsenic	11.2	MG/KG	=			
REG	Barium	35	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2sd-055(p) Kelly's Pond from pond drainage channel prior to e

Northing: 11360.00
 Easting: 154559.00
 Elevation:

LL2sd-055(p)-0151-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Cadmium	0.37	MG/KG	B	J	F06	
REG	Chromium	5.9	MG/KG	=			
REG	Lead	12.9	MG/KG	=			
REG	Manganese	446	MG/KG	=			
REG	Mercury	0.05	MG/KG	U	U		
REG	Selenium	1.1	MG/KG	=			
REG	Silver	24.5	MG/KG	=			
REG	Zinc	50.1	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	UJ	P02	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Organic Carbon	12400	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3sd-035(d) Ditch on North side of EB-4

Northing: 13026.00
 Easting: 149060.00
 Elevation:

LL3sd-035(d)-0201-SD 0.0 - 0.3 FT Field Sample Type: Grab Composite Matrix: Sediment Collected: 07/27/96

Field Measurements		Air Temperature	70	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	6520	MG/KG	=				
REG	Arsenic	13.6	MG/KG	J		I02		
REG	Barium	91.3	MG/KG	=				
REG	Cadmium	1.6	MG/KG	=				
REG	Chromium	14.7	MG/KG	=				
REG	Lead	63	MG/KG	=				
REG	Manganese	1700	MG/KG	J		I02		
REG	Mercury	0.06	MG/KG	=				
REG	Selenium	1.4	MG/KG	J		I02		
REG	Silver	2.4	MG/KG	=				
REG	Zinc	240	MG/KG	=				

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	4600	UG/KG	=				
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			

LL3sd-035(d)-0202-FD 0.0 - 0.3 FT Field Sample Type: Field Duplicate Matrix: Sediment Collected: 07/27/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	6990	MG/KG	=				
REG	Arsenic	14.4	MG/KG	J		I02		
REG	Barium	68.7	MG/KG	=				
REG	Cadmium	1.3	MG/KG	=				
REG	Chromium	13.3	MG/KG	=				
REG	Lead	41.6	MG/KG	=				
REG	Manganese	723	MG/KG	J		I02		
REG	Mercury	0.06	MG/KG	=				
REG	Selenium	1.9	MG/KG	J		I02		
REG	Silver	3.1	MG/KG	=				
REG	Zinc	225	MG/KG	=				

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	3300	UG/KG	=				
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3sd-042 In ditch under corridor EB-4A

Northing: 12541.00
 Easting: 149724.00
 Elevation:

LL3sd-042-0209-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Sediment Collected: 08/20/96

Field Measurements		Air Temperature	80	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	10300	MG/KG	=				
REG	Arsenic	9.5	MG/KG	*	=			
REG	Barium	76.4	MG/KG		=			
REG	Cadmium	0.32	MG/KG	B	U	F01		
REG	Chromium	13.9	MG/KG	*	=			
REG	Lead	22.2	MG/KG		=			
REG	Manganese	313	MG/KG	N	J	I02		
REG	Mercury	0.06	MG/KG		=			
REG	Selenium	1.5	MG/KG		=			
REG	Silver	0.26	MG/KG	U	U			
REG	Zinc	89.7	MG/KG	*	=			

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			

Location: Load Line 3
 Station : LL3sd-046(d) West side drainage at load line fence

Northing: 13179.00
 Easting: 148276.00
 Elevation:

LL3sd-046(d)-0213-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	75	DEG F				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	14100	MG/KG		=			
REG	Arsenic	18.8	MG/KG		J	I02		
REG	Barium	74.1	MG/KG		=			
REG	Cadmium	0.04	MG/KG	U	U			
REG	Chromium	18.1	MG/KG		=			
REG	Lead	16.6	MG/KG		=			
REG	Manganese	361	MG/KG		J	I02		
REG	Mercury	0.03	MG/KG	U	U			
REG	Selenium	1.3	MG/KG		J	I02		
REG	Silver	0.2	MG/KG	U	U			
REG	Zinc	80.7	MG/KG		=			

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	450	UG/KG		=			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3sd-046(d) West side drainage at load line fence

Northing: 13179.00
Easting: 148276.00
Elevation:

LL3sd-046(d)-0213-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	75	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Tetryl	650	UG/KG	U U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Organic Carbon	3370	MG/KG	=		

Location: Load Line 3
Station: LL3sd-047(d) West side drainage at load line fence

Northing: 12523.00
Easting: 148682.00
Elevation:

LL3sd-047(d)-0214-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	75	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Aluminum	10300	MG/KG	=		
REG	Arsenic	14	MG/KG	J	I02	
REG	Barium	67.7	MG/KG	=		
REG	Cadmium	0.25	MG/KG	B	J	F06
REG	Chromium	14.1	MG/KG	=		
REG	Lead	19.3	MG/KG	=		
REG	Manganese	685	MG/KG	J	I02	
REG	Mercury	0.03	MG/KG	U	U	
REG	Selenium	1.6	MG/KG	J	I02	
REG	Silver	0.19	MG/KG	U	U	
REG	Zinc	200	MG/KG	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U U		
REG	1,3-Dinitrobenzene	250	UG/KG	U U		
REG	2,4,6-Trinitrotoluene	650	UG/KG	=		
REG	2,4-Dinitrotoluene	250	UG/KG	U UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U U		
REG	2-Nitrotoluene	250	UG/KG	U U		
REG	3-Nitrotoluene	250	UG/KG	U U		
REG	4-Nitrotoluene	250	UG/KG	U U		
REG	HMX	2000	UG/KG	U U		
REG	Nitrobenzene	260	UG/KG	U U		
REG	RDX	1000	UG/KG	U U		
REG	Tetryl	650	UG/KG	U U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Organic Carbon	8830	MG/KG	=		

Location: Load Line 3
Station: LL3sd-048(d) West side drainage at load line fence

Northing: 12190.00
Easting: 148855.00
Elevation:

LL3sd-048(d)-0215-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	75	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Aluminum	6780	MG/KG	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station: LL3sd-048(d) West side drainage at load line fence

Northing: 12190.00
 Easting: 148855.00
 Elevation:

LL3sd-048(d)-0215-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	70	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Arsenic	15.1	MG/KG	J		I02		
REG	Barium	60.3	MG/KG	=				
REG	Cadmium	0.86	MG/KG	=				
REG	Chromium	11.7	MG/KG	=				
REG	Lead	32.5	MG/KG	=				
REG	Manganese	681	MG/KG	J		I02		
REG	Mercury	0.03	MG/KG	U	U			
REG	Selenium	2.3	MG/KG	J		I02		
REG	Silver	0.23	MG/KG	B	J	F06		
REG	Zinc	560	MG/KG	=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	1100	UG/KG	=				
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	28900	MG/KG	=				

Location: Load Line 3
 Station: LL3sd-049(d) South drainage channel upgradient of confluence wi

Northing: 11924.00
 Easting: 149165.00
 Elevation:

LL3sd-049(d)-0216-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	70	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	5400	MG/KG	=				
REG	Arsenic	18	MG/KG	J		I02		
REG	Barium	79.3	MG/KG	=				
REG	Cadmium	0.51	MG/KG	B	J	F06		
REG	Chromium	9.2	MG/KG	=				
REG	Lead	24.1	MG/KG	=				
REG	Manganese	2310	MG/KG	J		I02		
REG	Mercury	0.04	MG/KG	U	U			
REG	Selenium	1.8	MG/KG	J		I02		
REG	Silver	0.2	MG/KG	U	U			
REG	Zinc	117	MG/KG	=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3sd-049(d) South drainage channel upgradient of confluence wi

Northing: 11924.00
 Easting: 149165.00
 Elevation:

LL3sd-049(d)-0216-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	14400	MG/KG	=			

Location: Load Line 3
 Station : LL3sd-050(d) South drainage channel upgradient of confluence wi

Northing: 11857.00
 Easting: 149211.00
 Elevation:

LL3sd-050(d)-0217-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	8010	MG/KG	=			
REG	Arsenic	10.6	MG/KG	J		102	
REG	Barium	56.1	MG/KG	=			
REG	Cadmium	0.11	MG/KG	B	J	F06	
REG	Chromium	7.4	MG/KG	=			
REG	Lead	17.5	MG/KG	=			
REG	Manganese	587	MG/KG	J		102	
REG	Mercury	0.03	MG/KG	U	U		
REG	Selenium	0.74	MG/KG	J		102	
REG	Silver	0.2	MG/KG	U	U		
REG	Zinc	52.1	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	=		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	280	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	14200	MG/KG	=			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RJ

Location: Load Line 3
Station : LL3sd-051(d) South drainage channel upgradient of confluence wi

Northing: 11917.00
Easting: 148295.00
Elevation:

LL3sd-051(d)-0218-SD 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	70	DEG F					
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Aluminum	12600	MG/KG	=					
REG	Arsenic	10.6	MG/KG	J		102			
REG	Barium	115	MG/KG	=					
REG	Cadmium	0.11	MG/KG	B	J	F06			
REG	Chromium	15.2	MG/KG	=					
REG	Lead	20.3	MG/KG	=					
REG	Manganese	402	MG/KG	J		102			
REG	Mercury	0.05	MG/KG	=					
REG	Selenium	1.8	MG/KG	J		102			
REG	Silver	0.22	MG/KG	U	U				
REG	Zinc	76.9	MG/KG	=					
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U				
REG	1,3-Dinitrobenzene	250	UG/KG	U	U				
REG	2,4,6-Trinitrotoluene	820	UG/KG	=					
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U				
REG	2-Nitrotoluene	250	UG/KG	U	U				
REG	3-Nitrotoluene	250	UG/KG	U	U				
REG	4-Nitrotoluene	250	UG/KG	U	U				
REG	HMX	2000	UG/KG	U	U				
REG	Nitrobenzene	260	UG/KG	U	U				
REG	RDX	1000	UG/KG	U	U				
REG	Tetryl	650	UG/KG	U	U				
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Organic Carbon	7220	MG/KG	=					

Location: Load Line 3
Station : LL3sd-052(d) West drainage channel upgradient of confluence wit

Northing: 12305.00
Easting: 147957.00
Elevation:

LL3sd-052(d)-0219-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	75	DEG F					
		Head Space	0.0	PPM					
		Organic Vapor	0.0	PPM					
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Aluminum	8050	MG/KG	=					
REG	Arsenic	4.5	MG/KG	J		102			
REG	Barium	39.8	MG/KG	=					
REG	Cadmium	0.04	MG/KG	U	U				
REG	Chromium	9.3	MG/KG	=					
REG	Lead	8.8	MG/KG	=					
REG	Manganese	134	MG/KG	J		102			
REG	Mercury	0.05	MG/KG	=					
REG	Selenium	0.65	MG/KG	J		102			
REG	Silver	0.21	MG/KG	U	U				
REG	Zinc	45.2	MG/KG	=					
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U				
REG	1,3-Dinitrobenzene	250	UG/KG	U	U				
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U				
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U				
REG	2-Nitrotoluene	250	UG/KG	U	U				

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station: LL3sd-052(d) West drainage channel upgradient of confluence wit

Northing: 12305.00
 Easting: 147957.00
 Elevation:

LL3sd-052(d)-0219-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	2580	MG/KG	=			

Location: Load Line 3
 Station: LL3sd-053(d) Creek on west side of AOC upgradient of confluence

Northing: 13178.00
 Easting: 147061.00
 Elevation:

LL3sd-053(d)-0220-SD 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.11	MG/KG	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	11500	MG/KG	=			
REG	Antimony	0.97	MG/KG	N	J	I02	
REG	Arsenic	6.5	MG/KG	N	J	I02	
REG	Barium	64.8	MG/KG	*	=		
REG	Beryllium	0.68	MG/KG	=			
REG	Cadmium	0.06	MG/KG	B	J	F06	
REG	Calcium	1460	MG/KG	=			
REG	Chromium	14	MG/KG	=			
REG	Cobalt	6.5	MG/KG	=			
REG	Copper	18.3	MG/KG	=			
REG	Iron	18500	MG/KG	=			
REG	Lead	20.2	MG/KG	*	=		
REG	Magnesium	1680	MG/KG	=			
REG	Manganese	167	MG/KG	N*	J	I02	
REG	Mercury	0.06	MG/KG	=			
REG	Nickel	16	MG/KG	=			
REG	Potassium	543	MG/KG	B	J	F06	
REG	Selenium	0.99	MG/KG	N	J	I02	
REG	Silver	0.22	MG/KG	U	U		
REG	Sodium	176	MG/KG	B	J	F06	
REG	Thallium	0.89	MG/KG	N	J	I02	
REG	Vanadium	19.4	MG/KG	=			
REG	Zinc	56.8	MG/KG	*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	1400	UG/KG	=			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3sd-053(d) Creek on west side of AOC upgradient of confluence

Northing: 13178.00
Easting: 147061.00
Elevation:

LL3sd-053(d)-0220-SD 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	2.9	UG/KG	U	UJ	C08	
REG	4,4'-DDE	3.2	UG/KG	P	J	M08	
REG	4,4'-DDT	8.1	UG/KG	P	J	C08,M08	
REG	Aldrin	1.5	UG/KG	U	U		
REG	Alpha Chlordane	1.5	UG/KG	U	U		
REG	Alpha-BHC	1.5	UG/KG	U	U		
REG	Aroclor-1016	38	UG/KG	U	U		
REG	Aroclor-1221	38	UG/KG	U	U		
REG	Aroclor-1232	38	UG/KG	U	U		
REG	Aroclor-1242	38	UG/KG	U	U		
REG	Aroclor-1248	38	UG/KG	U	U		
REG	Aroclor-1254	77	UG/KG	U	U		
REG	Aroclor-1260	77	UG/KG	U	U		
REG	Beta-BHC	1.5	UG/KG	U	U		
REG	Delta-BHC	1.5	UG/KG	U	U		
REG	Dieldrin	2.9	UG/KG	U	U		
REG	Endosulfan I	1.5	UG/KG	U	U		
REG	Endosulfan II	2.9	UG/KG	U	UJ	C08	
REG	Endosulfan Sulfate	2.9	UG/KG	U	UJ	C08	
REG	Endrin	10	UG/KG	P	J	C08,M08	
REG	Endrin Aldehyde	2.9	UG/KG	U	UJ	C08	
REG	Endrin Ketone	2.9	UG/KG	U	UJ	C08	
REG	Gamma Chlordane	2.9	UG/KG	P	J	M08	
REG	Gamma-BHC (Lindane)	1.5	UG/KG	U	U		
REG	Heptachlor	1.5	UG/KG	U	UJ	C08	
REG	Heptachlor Epoxide	1.5	UG/KG	U	U		
REG	Methoxychlor	15	UG/KG	U	UJ	C08	
REG	Toxaphene	95	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	380	UG/KG	U	U		
REG	1,2-Dichlorobenzene	380	UG/KG	U	U		
REG	1,3-Dichlorobenzene	380	UG/KG	U	U		
REG	1,4-Dichlorobenzene	380	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	380	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	920	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	380	UG/KG	U	U		
REG	2,4-Dichlorophenol	380	UG/KG	U	U		
REG	2,4-Dimethylphenol	380	UG/KG	U	U		
REG	2,4-Dinitrophenol	920	UG/KG	U	U		
REG	2-Chloronaphthalene	380	UG/KG	U	U		
REG	2-Chlorophenol	380	UG/KG	U	U		
REG	2-Methylnaphthalene	380	UG/KG	U	U		
REG	2-Methylphenol	380	UG/KG	U	U		
REG	2-Nitroaniline	920	UG/KG	U	U		
REG	2-Nitrophenol	380	UG/KG	U	U		
PEG	3,3'-Dichlorobenzidine	920	UG/KG	U	U		
REG	3-Nitroaniline	920	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	380	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	380	UG/KG	U	U		
REG	4-Chloroaniline	380	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	380	UG/KG	U	U		
REG	4-Methylphenol	380	UG/KG	U	U		
REG	4-Nitroaniline	920	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3sd-053(d) Creek on west side of AOC upgradient of confluence

Northing: 13178.00
 Easting: 147061.00
 Elevation:

LL3sd-053(d)-0220-SD 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	4-Nitrophenol	920	UG/KG	U	U			
REG	4-chloro-3-methylphenol	380	UG/KG	U	U			
REG	Acenaphthene	380	UG/KG	U	U			
REG	Acenaphthylene	380	UG/KG	U	U			
REG	Anthracene	380	UG/KG	U	U			
REG	Benzo(a)anthracene	100	UG/KG	J	J			
REG	Benzo(a)pyrene	140	UG/KG	J	J			
REG	Benzo(b)fluoranthene	130	UG/KG	J	J			
REG	Benzo(g,h,i)perylene	88	UG/KG	J	J			
REG	Benzo(k)fluoranthene	140	UG/KG	J	J			
REG	Bis(2-chloroethoxy)methane	380	UG/KG	U	U			
REG	Bis(2-chloroethyl)ether	380	UG/KG	U	U			
REG	Bis(2-ethylhexyl)phthalate	54	UG/KG	J	J			
REG	Butyl Benzyl Phthalate	380	UG/KG	U	U			
REG	Carbazole	380	UG/KG	U	U			
REG	Chrysene	130	UG/KG	J	J			
REG	Di-n-butyl Phthalate	380	UG/KG	U	U			
REG	Di-n-octyl Phthalate	380	UG/KG	U	U			
REG	Dibenzo(a,h)anthracene	55	UG/KG	J	J			
REG	Dibenzofuran	380	UG/KG	U	U			
REG	Diethyl Phthalate	380	UG/KG	U	U			
REG	Dimethyl Phthalate	380	UG/KG	U	U			
REG	Fluoranthene	240	UG/KG	J	J			
REG	Fluorene	380	UG/KG	U	U			
REG	Hexachlorobenzene	380	UG/KG	U	U			
REG	Hexachlorobutadiene	380	UG/KG	U	U			
REG	Hexachlorocyclopentadiene	380	UG/KG	U	U			
REG	Hexachloroethane	380	UG/KG	U	U			
REG	Indeno(1,2,3-cd)pyrene	110	UG/KG	J	J			
REG	Isophorone	380	UG/KG	U	U			
REG	N-Nitroso-di-n-propylamine	380	UG/KG	U	U			
REG	N-Nitrosodiphenylamine	380	UG/KG	U	U			
REG	Naphthalene	380	UG/KG	U	U			
REG	Pentachlorophenol	920	UG/KG	U	U			
REG	Phenanthrene	91	UG/KG	J	J			
REG	Phenol	380	UG/KG	U	U			
REG	Pyrene	180	UG/KG	J	J			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	4810	MG/KG	=				
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,1,1-Trichloroethane	6	UG/KG	U	UJ	K01		
REG	1,1,2,2-Tetrachloroethane	6	UG/KG	U	UJ	K01		
REG	1,1,2-Trichloroethane	6	UG/KG	U	UJ	K01		
REG	1,1-Dichloroethane	6	UG/KG	U	UJ	K01		
REG	1,1-Dichloroethene	6	UG/KG	U	UJ	K01		
REG	1,2-Dichloroethane	6	UG/KG	U	UJ	K01		
REG	1,2-Dichloropropane	6	UG/KG	U	UJ	K01		
REG	1,2-cis-Dichloroethene	6	UG/KG	U	UJ	K01		
REG	1,2-trans-Dichloroethene	6	UG/KG	U	UJ	K01		
REG	1,3-cis-Dichloropropene	6	UG/KG	U	UJ	K01		
REG	1,3-trans-Dichloropropene	6	UG/KG	U	UJ	K01		
REG	2-Butanone	6	UG/KG	U	UJ	K01		
REG	2-Hexanone	6	UG/KG	U	UJ	K01		
REG	4-Methyl-2-pentanone	6	UG/KG	U	UJ	K01		
REG	Acetone	6	UG/KG	U	UJ	K01		
REG	Benzene	6	UG/KG	U	UJ	K01		
REG	Bromodichloromethane	6	UG/KG	U	UJ	K01		
REG	Bromoform	6	UG/KG	U	UJ	K01		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3sd-053(d) Creek on west side of AOC upgradient of confluence

Northing: 13178.00
 Easting: 147061.00
 Elevation:

LL3sd-053(d)-0220-SD 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/27/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Bromomethane	6	UG/KG	U	UJ	K01		
REG	Carbon Disulfide	6	UG/KG	U	UJ	K01		
REG	Carbon Tetrachloride	6	UG/KG	U	UJ	K01		
REG	Chlorobenzene	6	UG/KG	U	UJ	K01		
REG	Chloroethane	6	UG/KG	U	UJ	C02,K01		
REG	Chloroform	6	UG/KG	U	UJ	K01		
REG	Chloromethane	6	UG/KG	U	UJ	K01		
REG	Dibromochloromethane	6	UG/KG	U	UJ	K01		
REG	Ethylbenzene	6	UG/KG	U	UJ	K01		
REG	Methylene Chloride	7	UG/KG	B	UJ	F01,F07,K01		
REG	Styrene	6	UG/KG	U	UJ	K01		
REG	Tetrachloroethene	6	UG/KG	U	UJ	K01		
REG	Toluene	4	UG/KG	J	J	K01		
REG	Trichloroethene	6	UG/KG	U	UJ	K01		
REG	Vinyl Chloride	6	UG/KG	U	UJ	K01		
REG	Xylenes, Total	6	UG/KG	U	UJ	K01		
REG	o-Xylene	6	UG/KG	U	UJ	K01		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4sd-013(d) Drain outfall

Northing: 8325.00
Easting: 143658.00
Elevation:

LL4sd-013(d)-0243-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	80	DEG F					
		Organic Vapor	0.0	PPM					
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Aluminum	5600	MG/KG	*	=				
REG	Arsenic	7.5	MG/KG	*	=				
REG	Barium	45.9	MG/KG	*	=				
REG	Cadmium	0.05	MG/KG	U	U				
REG	Chromium	8	MG/KG	*	=				
REG	Lead	10	MG/KG	*	=				
REG	Manganese	752	MG/KG	*	=				
REG	Mercury	0.04	MG/KG	U	U				
REG	Selenium	0.41	MG/KG	B	J	F06			
REG	Silver	0.23	MG/KG	U	U				
REG	Zinc	61.1	MG/KG	*	=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U				
REG	1,3-Dinitrobenzene	250	UG/KG	U	U				
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U				
REG	2,4-Dinitrotoluene	250	UG/KG	U	U				
REG	2,6-Dinitrotoluene	260	UG/KG	U	U				
REG	2-Nitrotoluene	250	UG/KG	U	U				
REG	3-Nitrotoluene	250	UG/KG	U	U				
REG	4-Nitrotoluene	250	UG/KG	U	U				
REG	HMX	2000	UG/KG	U	U				
REG	Nitrobenzene	260	UG/KG	U	U				
REG	RDX	1000	UG/KG	U	U				
REG	Tetryl	650	UG/KG	U	U				
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Organic Carbon	4720	MG/KG		=				

Location: Load Line 4
Station: LL4sd-021(d) Small tanks along effluent pipe from settling tank

Northing: 8358.00
Easting: 143670.00
Elevation:

LL4sd-021(d)-0251-SD 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	80	DEG F					
		Head Space	24	PPM					
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Aluminum	6890	MG/KG	*	=				
REG	Arsenic	9.5	MG/KG	*	=				
REG	Barium	59.4	MG/KG	*	=				
REG	Cadmium	0.1	MG/KG	B	J	F06			
REG	Chromium	10.1	MG/KG	*	=				
REG	Lead	14.3	MG/KG	*	=				
REG	Manganese	885	MG/KG	*	=				
REG	Mercury	0.04	MG/KG	U	U				
REG	Selenium	0.51	MG/KG	B	J	F06			
REG	Silver	0.23	MG/KG	U	U				
REG	Zinc	84.4	MG/KG	*	=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U				
REG	1,3-Dinitrobenzene	250	UG/KG	U	U				
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U				
REG	2,4-Dinitrotoluene	250	UG/KG	U	U				
REG	2,6-Dinitrotoluene	260	UG/KG	U	U				
REG	2-Nitrotoluene	250	UG/KG	U	U				

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4sd-021(d) Small tanks along effluent pipe from settling tank
 Northing: 8358.00
 Easting: 143570.00
 Elevation:

LL4sd-021(d)-0251-SD 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	11	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	16800	MG/KG	=			

Location: Load Line 4
 Station : LL4sd-044(d) Stream on E side of Wilcox-Wayland RD
 Northing: 8612.00
 Easting: 140081.00
 Elevation:

LL4sd-044(d)-0278-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Sediment Collected: 07/29/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	11	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9230	MG/KG	=			
REG	Arsenic	18.5	MG/KG	N*	J	I01	
REG	Barium	82.8	MG/KG	=			
REG	Cadmium	0.18	MG/KG	B	J	F06	
REG	Chromium	12.1	MG/KG	=			
REG	Lead	19.1	MG/KG	*	=		
REG	Manganese	895	MG/KG	*	=		
REG	Mercury	0.04	MG/KG	U	U		
REG	Selenium	1.3	MG/KG	=			
REG	Silver	0.26	MG/KG	U	U		
REG	Zinc	121	MG/KG	N*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	8700	UG/KG	=			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P03	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	10100	MG/KG	=			

LL4sd-044(d)-0279-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Sediment Collected: 07/29/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	5.5	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	8740	MG/KG	=			
REG	Arsenic	12.3	MG/KG	N*	J	I01	
REG	Barium	82.2	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4sd-044(d) Stream on E side of Wilcox-Wayland RD

Northing: 8612.00
Easting: 140081.00
Elevation:

LL4sd-044(d)-0279-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Sediment Collected: 07/29/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	5.5	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cadmium	0.17	MG/KG	B	J	F06	
REG	Chromium	10.6	MG/KG	=			
REG	Lead	13.3	MG/KG	*	=		
REG	Manganese	895	MG/KG	*	=		
REG	Mercury	0.05	MG/KG	U	U		
REG	Selenium	1.2	MG/KG	=			
REG	Silver	0.27	MG/KG	U	U		
REG	Zinc	119	MG/KG	N*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	210	UG/KG	J	J		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	10700	MG/KG	=			

Location: Load Line 4
Station : LL4sd-048(d) Northwest side of load line where main drainage ch

Northing: 8854.00
Easting: 141894.00
Elevation:

LL4sd-048(d)-0283-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	5.5	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9740	MG/KG	=			
REG	Arsenic	6.1	MG/KG	N	J	102	
REG	Barium	81.4	MG/KG	=			
REG	Cadmium	0.2	MG/KG	B	J	F06	
REG	Chromium	12.1	MG/KG	N*	J	102	
REG	Lead	14	MG/KG	*	=		
REG	Manganese	313	MG/KG	=			
REG	Mercury	0.05	MG/KG	UN*	UJ	101	
REG	Selenium	0.57	MG/KG	BN	J	101	
REG	Silver	0.26	MG/KG	U	U		
REG	Zinc	63.5	MG/KG	J	102		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	340	UG/KG	=			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4sd-048(d) Northwest side of load line where main drainage ch

Northing: 8854.00
 Easting: 141894.00
 Elevation:

LL4sd-048(d)-0283-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	UJ	P02		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	10600	MG/KG	=				

LL4sd-048(d)-0284-FD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	8130	MG/KG	=				
REG	Arsenic	7.8	MG/KG	N	J	I02		
REG	Barium	71.1	MG/KG	=				
REG	Cadmium	0.18	MG/KG	B	J	F06		
REG	Chromium	10.7	MG/KG	N*	J	I02		
REG	Lead	11.1	MG/KG	*	=			
REG	Manganese	301	MG/KG	=				
REG	Mercury	0.04	MG/KG	UN*	UJ	I01		
REG	Selenium	0.56	MG/KG	BN	J	I01		
REG	Silver	0.26	MG/KG	U	U			
REG	Zinc	62.2	MG/KG	J		I02		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	210	UG/KG	J	J			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	UJ	P02		

Location: Load Line 4
 Station : LL4sd-049(d) West side of load line from main drainage channel

Northing: 8286.00
 Easting: 142835.00
 Elevation:

LL4sd-049(d)-0286-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	6250	MG/KG	=				
REG	Arsenic	5.8	MG/KG	N*	J	I01		
REG	Barium	49.6	MG/KG	=				
REG	Cadmium	0.28	MG/KG	B	J	F06		
REG	Chromium	9.2	MG/KG	=				
REG	Lead	13.1	MG/KG	*	=			
REG	Manganese	197	MG/KG	*	=			
REG	Mercury	0.06	MG/KG	U	U			
REG	Selenium	1.3	MG/KG	=				
REG	Silver	0.35	MG/KG	U	U			
REG	Zinc	82.6	MG/KG	N*	=			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 R1

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	420	UG/KG		=	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	UJ	P02

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	15800	MG/KG		=	

Location: Load Line 4
Station: LL4sd-050(d) Main settling tank drainage channel west branch

Northing: 8252.00
Easting: 143458.00
Elevation:

LL4sd-050(d)-0287-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements	Air Temperature	82	DEG F
	Head Space	2.2	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	4240	MG/KG	*	=	
REG	Arsenic	11.8	MG/KG	*	=	
REG	Barium	27.7	MG/KG	*	=	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Chromium	6.5	MG/KG	*	=	
REG	Lead	7.8	MG/KG	*	=	
REG	Manganese	388	MG/KG	*	=	
REG	Mercury	0.04	MG/KG	U	U	
REG	Selenium	0.4	MG/KG	U	U	
REG	Silver	0.25	MG/KG	U	U	
REG	Zinc	40.7	MG/KG	*	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	10700	MG/KG		=	

Location: Load Line 4
Station: LL4sd-051(d) Main settling tank drainage channel south branch

Northing: 8104.00
Easting: 143726.00
Elevation:

LL4sd-051(d)-0288-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements	Air Temperature	75	DEG F
	Head Space	1.2	PPM

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
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Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4sd-051(d) Main settling tank drainage channel south branch

Northing: 8104.00
 Easting: 143726.00
 Elevation:

LL4sd-051(d)-0288-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	1.2	PPM				
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Cyanide	0.16	MG/KG	B	J	F06		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	3160	MG/KG		=			
REG	Antimony	0.37	MG/KG	U	U			
REG	Arsenic	4.6	MG/KG		=			
REG	Barium	19.6	MG/KG		=			
REG	Beryllium	0.27	MG/KG		=			
REG	Cadmium	0.32	MG/KG	B	J	F06		
REG	Calcium	3170	MG/KG		=			
REG	Chromium	5	MG/KG		=			
REG	Cobalt	5.1	MG/KG		=			
REG	Copper	10.4	MG/KG		=			
REG	Iron	10400	MG/KG		=			
REG	Lead	11.1	MG/KG		=			
REG	Magnesium	1960	MG/KG		=			
REG	Manganese	159	MG/KG		=			
REG	Mercury	0.04	MG/KG	U	U			
REG	Nickel	10.8	MG/KG		=			
REG	Potassium	378	MG/KG	B	J	F06		
REG	Selenium	0.49	MG/KG	B	J	F06		
REG	Silver	0.24	MG/KG	U	U			
REG	Sodium	199	MG/KG	B	J	F06		
REG	Thallium	0.42	MG/KG	U	U			
REG	Vanadium	6.2	MG/KG		=			
REG	Zinc	78.6	MG/KG		=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	UJ	P02		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	4,4'-DDD	3.1	UG/KG	U	UJ	C08		
REG	4,4'-DDE	3.1	UG/KG	U	U			
REG	4,4'-DDT	3.1	UG/KG	U	U			
REG	Aldrin	1.6	UG/KG	U	U			
REG	Alpha Chlordane	1.6	UG/KG	U	U			
REG	Alpha-BHC	1.6	UG/KG	U	U			
REG	Aroclor-1016	41	UG/KG	U	U			
REG	Aroclor-1221	41	UG/KG	U	U			
REG	Aroclor-1232	41	UG/KG	U	U			
REG	Aroclor-1242	41	UG/KG	U	U			
REG	Aroclor-1248	41	UG/KG	U	U			
REG	Aroclor-1254	84	UG/KG	U	U			
REG	Aroclor-1260	84	UG/KG	U	U			
REG	Beta-BHC	1.6	UG/KG	U	U			
REG	Delta-BHC	1.6	UG/KG	U	U			
REG	Dieldrin	3.1	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4sd-051(d) Main settling tank drainage channel south branch

Northing: 8104.00
 Easting: 143726.00
 Elevation:

LL4sd-051(d)-0288-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Endosulfan I	1.6	UG/KG	U	U			
REG	Endosulfan II	3.1	UG/KG	U	U			
REG	Endosulfan Sulfate	3.1	UG/KG	U	U			
REG	Endrin	3.1	UG/KG	U	U			
REG	Endrin Aldehyde	3.1	UG/KG	U	U			
REG	Endrin Ketone	3.1	UG/KG	U	U			
REG	Gamma Chlordane	1.6	UG/KG	U	U			
REG	Gamma-BHC (Lindane)	1.6	UG/KG	U	U			
REG	Heptachlor	1.6	UG/KG	U	U			
REG	Heptachlor Epoxide	1.6	UG/KG	U	U			
REG	Methoxychlor	16	UG/KG	U	UJ	C08		
REG	Toxaphene	100	UG/KG	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	820	UG/KG	U	U			
REG	1,2-Dichlorobenzene	820	UG/KG	U	U			
REG	1,3-Dichlorobenzene	820	UG/KG	U	U			
REG	1,4-Dichlorobenzene	820	UG/KG	U	U			
REG	2,2'-oxybis (1-chloropropane)	820	UG/KG	U	U			
REG	2,4,5-Trichlorophenol	2000	UG/KG	U	U			
REG	2,4,6-Trichlorophenol	820	UG/KG	U	U			
REG	2,4-Dichlorophenol	820	UG/KG	U	U			
REG	2,4-Dimethylphenol	820	UG/KG	U	U			
REG	2,4-Dinitrophenol	2000	UG/KG	U	U			
REG	2-Chloronaphthalene	820	UG/KG	U	U			
REG	2-Chlorophenol	820	UG/KG	U	U			
REG	2-Methylnaphthalene	820	UG/KG	U	U			
REG	2-Methylphenol	820	UG/KG	U	U			
REG	2-Nitroaniline	2000	UG/KG	U	U			
REG	2-Nitrophenol	820	UG/KG	U	U			
REG	3,3'-Dichlorobenzidine	2000	UG/KG	U	U			
REG	3-Nitroaniline	2000	UG/KG	U	U			
REG	4,6-Dinitro-o-Cresol	820	UG/KG	U	U			
REG	4-Bromophenyl-phenyl Ether	820	UG/KG	U	U			
REG	4-Chloroaniline	820	UG/KG	U	U			
REG	4-Chlorophenyl-phenylether	820	UG/KG	U	U			
REG	4-Methylphenol	820	UG/KG	U	U			
REG	4-Nitroaniline	2000	UG/KG	U	U			
REG	4-Nitrophenol	2000	UG/KG	U	U			
REG	4-chloro-3-methylphenol	820	UG/KG	U	U			
REG	Acenaphthene	820	UG/KG	U	U			
REG	Acenaphthylene	820	UG/KG	U	U			
REG	Anthracene	820	UG/KG	U	U			
REG	Benzo(a)anthracene	820	UG/KG	U	U			
REG	Benzo(a)pyrene	820	UG/KG	U	U			
REG	Benzo(b)fluoranthene	820	UG/KG	U	U			
REG	Benzo(g,h,i)perylene	820	UG/KG	U	U			
REG	Benzo(k)fluoranthene	820	UG/KG	U	U			
REG	Bis(2-chloroethoxy)methane	820	UG/KG	U	U			
REG	Bis(2-chloroethyl)ether	820	UG/KG	U	U			
REG	Bis(2-ethylhexyl)phthalate	820	UG/KG	U	U			
REG	Butyl Benzyl Phthalate	820	UG/KG	U	U			
REG	Carbazole	820	UG/KG	U	U			
REG	Chrysene	820	UG/KG	U	U			
REG	Di-n-butyl Phthalate	820	UG/KG	U	U			
REG	Di-n-octyl Phthalate	820	UG/KG	U	U			
REG	Dibenzo(a,h)anthracene	820	UG/KG	U	U			
REG	Dibenzofuran	820	UG/KG	U	U			
REG	Diethyl Phthalate	820	UG/KG	U	U			
REG	Dimethyl Phthalate	820	UG/KG	U	U			
REG	Fluoranthene	820	UG/KG	U	U			
REG	Fluorene	820	UG/KG	U	U			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4sd-051(d) Main settling tank drainage channel south branch

Northing: 8104.00
Easting: 143726.00
Elevation:

LL4sd-051(d)-0288-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Hexachlorobenzene	820	UG/KG	U	U			
REG	Hexachlorobutadiene	820	UG/KG	U	U			
REG	Hexachlorocyclopentadiene	820	UG/KG	U	U			
REG	Hexachloroethane	820	UG/KG	U	U			
REG	Indeno(1,2,3-cd)pyrene	820	UG/KG	U	U			
REG	Isophorone	820	UG/KG	U	U			
REG	N-Nitroso-di-n-propylamine	820	UG/KG	U	U			
REG	N-Nitrosodiphenylamine	820	UG/KG	U	U			
REG	Naphthalene	820	UG/KG	U	U			
REG	Pentachlorophenol	2000	UG/KG	U	U			
REG	Phenanthrene	820	UG/KG	U	U			
REG	Phenol	820	UG/KG	U	U			
REG	Pyrene	820	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	8840	MG/KG	=				
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,1,1-Trichloroethane	6	UG/KG	U	U			
REG	1,1,2,2-Tetrachloroethane	6	UG/KG	U	U			
REG	1,1,2-Trichloroethane	6	UG/KG	U	U			
REG	1,1-Dichloroethane	6	UG/KG	U	U			
REG	1,1-Dichloroethene	6	UG/KG	U	U			
REG	1,2-Dichloroethane	6	UG/KG	U	U			
REG	1,2-Dichloroethene	6	UG/KG	U	U			
REG	1,2-trans-Dichloroethene	6	UG/KG	U	U			
REG	1,3-cis-Dichloropropene	6	UG/KG	U	U			
REG	1,3-trans-Dichloropropene	6	UG/KG	U	U			
REG	2-Butanone	6	UG/KG	U	UJ	C05		
REG	2-Hexanone	6	UG/KG	U	UJ	C05		
REG	4-Methyl-2-pentanone	6	UG/KG	U	U			
REG	Acetone	6	UG/KG	U	R	C04,C05		
REG	Benzene	6	UG/KG	U	U			
REG	Bromodichloromethane	6	UG/KG	U	U			
REG	Bromoform	6	UG/KG	U	U			
REG	Bromomethane	6	UG/KG	U	U			
REG	Carbon Disulfide	6	UG/KG	U	U			
REG	Carbon Tetrachloride	6	UG/KG	U	U			
REG	Chlorobenzene	6	UG/KG	U	U			
REG	Chloroethane	6	UG/KG	U	UJ	C02		
REG	Chloroform	6	UG/KG	U	U			
REG	Chloromethane	6	UG/KG	U	U			
REG	Dibromochloromethane	6	UG/KG	U	U			
REG	Ethylbenzene	6	UG/KG	U	U			
REG	Methylene Chloride	6	UG/KG	U	U			
REG	Styrene	6	UG/KG	U	U			
REG	Tetrachloroethene	6	UG/KG	U	U			
REG	Toluene	6	UG/KG	U	U			
REG	Trichloroethene	6	UG/KG	U	U			
REG	Vinyl Chloride	6	UG/KG	U	U			
REG	Xylenes, Total	6	UG/KG	U	U			
REG	o-Xylene	6	UG/KG	U	U			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4sd-052(p) From settling pond along drainage axis

Northing: 8150.00
Easting: 143343.00
Elevation:

LL4sd-052(p)-0289-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.2	MG/KG	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9510	MG/KG		=		
REG	Antimony	0.61	MG/KG	U	U		
REG	Arsenic	9.6	MG/KG		=		
REG	Barium	88.5	MG/KG		=		
REG	Beryllium	0.62	MG/KG		=		
REG	Cadmium	0.62	MG/KG	B	J	F06	
REG	Calcium	7470	MG/KG		=		
REG	Chromium	11.9	MG/KG		=		
REG	Cobalt	9.1	MG/KG		=		
REG	Copper	16.2	MG/KG		=		
REG	Iron	21600	MG/KG		=		
REG	Lead	15	MG/KG		=		
REG	Magnesium	2690	MG/KG		=		
REG	Manganese	399	MG/KG		=		
REG	Mercury	0.07	MG/KG	U	U		
REG	Nickel	18	MG/KG		=		
REG	Potassium	1250	MG/KG		=		
REG	Selenium	0.61	MG/KG	U	U		
REG	Silver	0.39	MG/KG	U	U		
REG	Sodium	322	MG/KG	B	J	F06	
REG	Thallium	1.3	MG/KG		=		
REG	Vanadium	15.9	MG/KG		=		
REG	Zinc	169	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	3.1	UG/KG	U	U		
REG	4,4'-DDE	3.1	UG/KG	U	U		
REG	4,4'-DDT	3.1	UG/KG	U	U		
REG	Aldrin	1.6	UG/KG	U	U		
REG	Alpha Chlordane	1.6	UG/KG	U	U		
REG	Alpha-BHC	1.6	UG/KG	U	U		
REG	Aroclor-1016	41	UG/KG	U	U		
REG	Aroclor-1221	41	UG/KG	U	U		
REG	Aroclor-1232	41	UG/KG	U	U		
REG	Aroclor-1242	41	UG/KG	U	U		
REG	Aroclor-1248	41	UG/KG	U	U		
REG	Aroclor-1254	83	UG/KG	U	U		
REG	Aroclor-1260	83	UG/KG	U	U		
REG	Beta-BHC	1.6	UG/KG	U	U		
REG	Delta-BHC	1.6	UG/KG	U	U		
REG	Dieldrin	3.1	UG/KG	U	U		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4sd-052(p) From settling pond along drainage axis

Northing: 8150.00
Easting: 143343.00
Elevation:

LL4sd-052(p)-0289-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.2	MG/KG	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9510	MG/KG		=		
REG	Antimony	0.61	MG/KG	U	U		
REG	Arsenic	9.6	MG/KG		=		
REG	Barium	88.5	MG/KG		=		
REG	Beryllium	0.62	MG/KG		=		
REG	Cadmium	0.62	MG/KG	B	J	F06	
REG	Calcium	7470	MG/KG		=		
REG	Chromium	11.9	MG/KG		=		
REG	Cobalt	9.1	MG/KG		=		
REG	Copper	16.2	MG/KG		=		
REG	Iron	21600	MG/KG		=		
REG	Lead	15	MG/KG		=		
REG	Magnesium	2690	MG/KG		=		
REG	Manganese	399	MG/KG		=		
REG	Mercury	0.07	MG/KG	U	U		
REG	Nickel	18	MG/KG		=		
REG	Potassium	1250	MG/KG		=		
REG	Selenium	0.61	MG/KG	U	U		
REG	Silver	0.39	MG/KG	U	U		
REG	Sodium	322	MG/KG	B	J	F06	
REG	Thallium	1.3	MG/KG		=		
REG	Vanadium	15.9	MG/KG		=		
REG	Zinc	169	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	3.1	UG/KG	U	U		
REG	4,4'-DDE	3.1	UG/KG	U	U		
REG	4,4'-DDT	3.1	UG/KG	U	U		
REG	Aldrin	1.6	UG/KG	U	U		
REG	Alpha Chlordane	1.6	UG/KG	U	U		
REG	Alpha-BHC	1.6	UG/KG	U	U		
REG	Aroclor-1016	41	UG/KG	U	U		
REG	Aroclor-1221	41	UG/KG	U	U		
REG	Aroclor-1232	41	UG/KG	U	U		
REG	Aroclor-1242	41	UG/KG	U	U		
REG	Aroclor-1248	41	UG/KG	U	U		
REG	Aroclor-1254	83	UG/KG	U	U		
REG	Aroclor-1260	83	UG/KG	U	U		
REG	Beta-BHC	1.6	UG/KG	U	U		
REG	Delta-BHC	1.6	UG/KG	U	U		
REG	Dieldrin	3.1	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4sd-052(p) From settling pond along drainage axis

Northing: 8150.00
 Easting: 143343.00
 Elevation:

LL4sd-052(p)-0289-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Endosulfan I	1.6	UG/KG	U	U			
REG	Endosulfan II	3.1	UG/KG	U	U			
REG	Endosulfan Sulfate	3.1	UG/KG	U	U			
REG	Endrin	3.1	UG/KG	U	U			
REG	Endrin Aldehyde	3.1	UG/KG	U	U			
REG	Endrin Ketone	3.1	UG/KG	U	U			
REG	Gamma Chlordane	1.6	UG/KG	U	U			
REG	Gamma-BHC (Lindane)	1.6	UG/KG	U	U			
REG	Heptachlor	1.6	UG/KG	U	U			
REG	Heptachlor Epoxide	1.6	UG/KG	U	U			
REG	Methoxychlor	16	UG/KG	U	U			
REG	Toxaphene	100	UG/KG	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	810	UG/KG	U	U			
REG	1,2-Dichlorobenzene	810	UG/KG	U	U			
REG	1,3-Dichlorobenzene	810	UG/KG	U	U			
REG	1,4-Dichlorobenzene	810	UG/KG	U	U			
REG	2,2'-oxybis (1-chloropropane)	110	UG/KG	J	U			
REG	2,4,5-Trichlorophenol	2000	UG/KG	U	U			
REG	2,4,6-Trichlorophenol	810	UG/KG	U	U			
REG	2,4-Dichlorophenol	810	UG/KG	U	U			
REG	2,4-Dimethylphenol	810	UG/KG	U	U			
REG	2,4-Dinitrophenol	2000	UG/KG	U	U			
REG	2-Chloronaphthalene	810	UG/KG	U	U			
REG	2-Chlorophenol	810	UG/KG	U	U			
REG	2-Methylnaphthalene	810	UG/KG	U	U			
REG	2-Methylphenol	810	UG/KG	U	U			
REG	2-Nitroaniline	2000	UG/KG	U	U			
REG	2-Nitrophenol	810	UG/KG	U	U			
REG	3,3'-Dichlorobenzidine	2000	UG/KG	U	U			
REG	3-Nitroaniline	2000	UG/KG	U	U			
REG	4,6-Dinitro-o-Cresol	810	UG/KG	U	U			
REG	4-Bromophenyl-phenyl Ether	810	UG/KG	U	U			
REG	4-Chloroaniline	810	UG/KG	U	U			
REG	4-Chlorophenyl-phenylether	810	UG/KG	U	U			
REG	4-Methylphenol	810	UG/KG	U	U			
REG	4-Nitroaniline	2000	UG/KG	U	U			
REG	4-Nitrophenol	2000	UG/KG	U	U			
REG	4-chloro-3-methylphenol	810	UG/KG	U	U			
REG	Acenaphthene	810	UG/KG	U	U			
REG	Acenaphthylene	810	UG/KG	U	U			
REG	Anthracene	810	UG/KG	U	U			
REG	Benzo(a)anthracene	810	UG/KG	U	U			
REG	Benzo(a)pyrene	810	UG/KG	U	U			
REG	Benzo(b)fluoranthene	810	UG/KG	U	U			
REG	Benzo(g,h,i)perylene	810	UG/KG	U	U			
REG	Benzo(k)fluoranthene	810	UG/KG	U	U			
REG	Bis(2-chloroethoxy)methane	810	UG/KG	U	U			
REG	Bis(2-chloroethyl)ether	810	UG/KG	U	U			
REG	Bis(2-ethylhexyl)phthalate	810	UG/KG	U	U			
REG	Butyl Benzyl Phthalate	810	UG/KG	U	U			
REG	Carbazole	810	UG/KG	U	U			
REG	Chrysene	810	UG/KG	U	U			
REG	Di-n-butyl Phthalate	810	UG/KG	U	U			
REG	Di-n-octyl Phthalate	810	UG/KG	U	U			
REG	Dibenzo(a,h)anthracene	810	UG/KG	U	U			
REG	Dibenzofuran	810	UG/KG	U	U			
REG	Diethyl Phthalate	810	UG/KG	U	U			
REG	Dimethyl Phthalate	810	UG/KG	U	U			
REG	Fluoranthene	810	UG/KG	U	U			
REG	Fluorene	810	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4sd-052(p) From settling pond along drainage axis

Northing: 8150.00
 Easting: 143343.00
 Elevation:

LL4sd-052(p)-0289-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Hexachlorobenzene	810	UG/KG	U	U		
REG	Hexachlorobutadiene	810	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	810	UG/KG	U	UJ	C05	
REG	Hexachloroethane	810	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	810	UG/KG	U	U		
REG	Isophorone	810	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	810	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	810	UG/KG	U	U		
REG	Naphthalene	810	UG/KG	U	U		
REG	Pentachlorophenol	2000	UG/KG	U	U		
REG	Phenanthrene	810	UG/KG	U	U		
REG	Phenol	810	UG/KG	U	U		
REG	Pyrene	810	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	17700	MG/KG		=		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	10	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	10	UG/KG	U	U		
REG	1,1,2-Trichloroethane	10	UG/KG	U	U		
REG	1,1-Dichloroethane	10	UG/KG	U	U		
REG	1,1-Dichloroethene	10	UG/KG	U	U		
REG	1,2-Dichloroethane	10	UG/KG	U	U		
REG	1,2-Dichloropropane	10	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	10	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	10	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	10	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	10	UG/KG	U	U		
REG	2-Butanone	53	UG/KG		J	C02	
REG	2-Hexanone	10	UG/KG	U	U		
REG	4-Methyl-2-pentanone	10	UG/KG	U	UJ	K01	
REG	Acetone	250	UG/KG		J	C02,C05	
REG	Benzene	10	UG/KG	U	U		
REG	Bromodichloromethane	10	UG/KG	U	U		
REG	Bromoform	10	UG/KG	U	U		
REG	Bromomethane	10	UG/KG	U	U		
REG	Carbon Disulfide	13	UG/KG		=		
REG	Carbon Tetrachloride	10	UG/KG	U	U		
REG	Chlorobenzene	10	UG/KG	U	UJ	K01	
REG	Chloroethane	10	UG/KG	U	UJ	C02	
REG	Chloroform	10	UG/KG	U	U		
REG	Chloromethane	10	UG/KG	U	U		
REG	Dibromochloromethane	10	UG/KG	U	U		
REG	Ethylbenzene	10	UG/KG	U	UJ	K01	
REG	Methylene Chloride	10	UG/KG	JB	U	F01,F06	
REG	Styrene	10	UG/KG	U	UJ	K01	
REG	Tetrachloroethene	10	UG/KG	U	UJ	K01	
REG	Toluene	10	UG/KG	U	UJ	K01	
REG	Trichloroethene	10	UG/KG	U	U		
REG	Vinyl Chloride	10	UG/KG	U	U		
REG	Xylenes, Total	10	UG/KG	U	UJ	K01	
REG	o-Xylene	10	UG/KG	U	UJ	K01	

Table APPENDIX G2

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4sd-053(p) From settling pond along drainage axis

Northing: 8153.00
 Easting: 143436.00
 Elevation:

LL4sd-053(p)-0290-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	12400	MG/KG	=			
REG	Arsenic	13.3	MG/KG	N	J	I01	
REG	Barium	107	MG/KG	=			
REG	Cadmium	0.72	MG/KG	B	J	F06	
REG	Chromium	16.4	MG/KG	E	=		
REG	Lead	21.4	MG/KG	J		I01	
REG	Manganese	489	MG/KG	N	J	I01	
REG	Mercury	0.11	MG/KG	=			
REG	Selenium	0.76	MG/KG	U	U		
REG	Silver	0.48	MG/KG	U	U		
REG	Zinc	208	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	15200	MG/KG	=			

LL4sd-053(p)-0291-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	11500	MG/KG	=			
REG	Arsenic	11.7	MG/KG	N	J	I01	
REG	Barium	125	MG/KG	=			
REG	Cadmium	0.67	MG/KG	B	J	F06	
REG	Chromium	15	MG/KG	E	=		
REG	Lead	20.9	MG/KG	J		I01	
REG	Manganese	456	MG/KG	N	J	I01	
REG	Mercury	0.09	MG/KG	U	U		
REG	Selenium	0.82	MG/KG	U	U		
REG	Silver	0.52	MG/KG	U	U		
REG	Zinc	202	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4sd-053(p) From settling pond along drainage axis

Northing: 8153.00
 Easting: 143436.00
 Elevation:

LL4sd-053(p)-0291-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	80	DEG F		
		Organic Vapor	0.0	PPM		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	16800	MG/KG	=		

Location: Load Line 4
 Station: LL4sd-054(p) From settling pond along drainage axis

Northing: 8113.00
 Easting: 143551.00
 Elevation:

LL4sd-054(p)-0293-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	80	DEG F		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	7420	MG/KG	=		
REG	Arsenic	6.7	MG/KG	N	J	I01
REG	Barium	55.3	MG/KG	=		
REG	Cadmium	0.61	MG/KG	B	J	F06
REG	Chromium	9.8	MG/KG	E	=	
REG	Lead	14.1	MG/KG	J		I01
REG	Manganese	273	MG/KG	N	J	I01
REG	Mercury	0.06	MG/KG	=		
REG	Selenium	0.47	MG/KG	U	U	
REG	Silver	0.3	MG/KG	U	U	
REG	Zinc	105	MG/KG	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	9220	MG/KG	=		

Location: Load Line 4
 Station: LL4sd-055(p) From settling pond along drainage axis

Northing: 8037.00
 Easting: 143613.00
 Elevation:

LL4sd-055(p)-0294-SD 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	80	DEG F		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12600	MG/KG	=		
REG	Arsenic	12.7	MG/KG	N	J	I01
REG	Barium	102	MG/KG	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4sd-055(p) From settling pond along drainage axis

Northing: 8037.00
 Easting: 143613.00
 Elevation:

LL4sd-055(p)-0294-SD 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/14/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cadmium	0.64	MG/KG	B	J	F06	
REG	Chromium	16.7	MG/KG	E	=		
REG	Lead	21.1	MG/KG		J	I01	
REG	Manganese	416	MG/KG	N	J	I01	
REG	Mercury	0.1	MG/KG		=		
REG	Selenium	0.8	MG/KG	U	U		
REG	Silver	0.51	MG/KG	U	U		
REG	Zinc	176	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	17000	MG/KG		=		

Location: Load Line 4
 Station : LL4sd-056(p) At settling pond outfall

Northing: 8022.00
 Easting: 143713.00
 Elevation:

LL4sd-056(d)-0295-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/30/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	5580	MG/KG		=		
REG	Arsenic	5.9	MG/KG	N	J	I02	
REG	Barium	31.5	MG/KG		=		
REG	Cadmium	0.07	MG/KG	B	J	F06	
REG	Chromium	7.5	MG/KG	N*	J	I02	
REG	Lead	8.9	MG/KG	*	=		
REG	Manganese	91.9	MG/KG		=		
REG	Mercury	0.04	MG/KG	UN*	UJ	I01	
REG	Selenium	0.38	MG/KG	UN	UJ	I01	
REG	Silver	0.24	MG/KG	U	U		
REG	Zinc	39.1	MG/KG		J	I02	
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4sd-056(p) At settling pond outfall

Northing: 8022.00
 Easting: 143713.00
 Elevation:

LL4sd-056(d)-0296-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/30/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	6240	MG/KG	=			

Location: Load Line 4
 Station: LL4sd-057(p) From settling pond drainage channel south of load

Northing: 7811.00
 Easting: 143931.00
 Elevation:

LL4sd-057(p)-0296-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/30/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	2360	MG/KG	=			
REG	Arsenic	4	MG/KG	=			
REG	Barium	15.8	MG/KG	=			
REG	Cadmium	0.13	MG/KG	BN*	J	102,J04	
REG	Chromium	4.2	MG/KG	=			
REG	Lead	9.2	MG/KG	*	=		
REG	Manganese	126	MG/KG	N*	J	102	
REG	Mercury	0.05	MG/KG	=			
REG	Selenium	0.36	MG/KG	UN	UJ	101	
REG	Silver	0.23	MG/KG	U	U		
REG	Zinc	55.9	MG/KG	E*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	10200	MG/KG	=			

Location: Load Line 4
 Station: LL4sd-058(d) From settling pond drainage channel prior to exit

Northing: 6910.00
 Easting: 144021.00
 Elevation:

LL4sd-058(d)-0297-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/29/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	5.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	3830	MG/KG	=			
REG	Arsenic	7.8	MG/KG	N*	J	101	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4sd-058(d) From settling pond drainage channel prior to exit

Northing: 6910.00
 Easting: 144021.00
 Elevation:

LL4sd-058(d)-0297-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/29/96

Field Measurements		Air Temperature	80	DEG F				
		Head Space	2.8	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Barium	22.7	MG/KG	=				
REG	Cadmium	0.12	MG/KG	B	J	F06		
REG	Chromium	5.4	MG/KG	=				
REG	Lead	10.1	MG/KG	*	=			
REG	Manganese	232	MG/KG	*	=			
REG	Mercury	0.03	MG/KG	U	U			
REG	Selenium	0.73	MG/KG	=				
REG	Silver	0.2	MG/KG	U	U			
REG	Zinc	61.6	MG/KG	N*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	190	UG/KG	J	J			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	R	P03		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	3610	MG/KG	=				

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12sd-025(d) West side drainage downgradient of bldg 904 on wes

Northing: 10925.00
 Easting: 146379.00
 Elevation:

L12sd-025(d)-0336-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	80	DEG F			
		Head Space	2.8	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	7240	MG/KG	*	=		
REG	Arsenic	8.6	MG/KG	*	=		
REG	Barium	46.8	MG/KG	*	=		
REG	Cadmium	0.59	MG/KG	B	J	F06	
REG	Chromium	9.1	MG/KG	*	=		
REG	Lead	31.6	MG/KG	*	=		
REG	Manganese	136	MG/KG	*	=		
REG	Mercury	0.05	MG/KG	U	U		
REG	Selenium	0.8	MG/KG		=		
REG	Silver	0.28	MG/KG	U	U		
REG	Zinc	205	MG/KG	*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	18000	MG/KG		=		

Location: Load Line 12
 Station: L12sd-026(d) Southwest drainage north of bldg FN54

Northing: 10115.00
 Easting: 146882.00
 Elevation:

L12sd-026(d)-0337-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/28/96

Field Measurements		Air Temperature	65	DEG F			
		Head Space	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.14	MG/KG	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	13800	MG/KG		=		
REG	Antimony	0.43	MG/KG	U	U		
REG	Arsenic	11.6	MG/KG		=		
REG	Barium	166	MG/KG		=		
REG	Beryllium	1.4	MG/KG		=		
REG	Cadmium	0.3	MG/KG	B	J	F06	
REG	Calcium	3930	MG/KG		=		
REG	Chromium	27.7	MG/KG		=		
REG	Cobalt	8	MG/KG		=		
REG	Copper	50.5	MG/KG		=		
REG	Iron	29200	MG/KG		=		
REG	Lead	19.7	MG/KG		=		
REG	Magnesium	2420	MG/KG		=		
REG	Manganese	97	MG/KG		=		
REG	Mercury	0.11	MG/KG		=		
REG	Nickel	24.1	MG/KG		=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12sd-026(d) Southwest drainage north of bldg FN54

Northing: 10115.00
 Easting: 146882.00
 Elevation:

L12sd-026(d)-0337-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/28/96

Field Measurements		Air Temperature	85	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Potassium	867	MG/KG	=		
REG	Selenium	1.3	MG/KG	=		
REG	Silver	0.27	MG/KG	U	U	
REG	Sodium	287	MG/KG	B	J	F06
REG	Thallium	0.86	MG/KG	=		
REG	Vanadium	22.7	MG/KG	=		
REG	Zinc	80.2	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	3.6	UG/KG	U	UJ	C08
REG	4,4'-DDE	3.6	UG/KG	U	U	
REG	4,4'-DDT	3.6	UG/KG	U	UJ	C08
REG	Aldrin	1.8	UG/KG	U	U	
REG	Alpha Chlordane	1.8	UG/KG	U	U	
REG	Alpha-BHC	1.8	UG/KG	U	U	
REG	Aroclor-1016	47	UG/KG	U	U	
REG	Aroclor-1221	47	UG/KG	U	U	
REG	Aroclor-1232	47	UG/KG	U	U	
REG	Aroclor-1242	47	UG/KG	U	U	
REG	Aroclor-1248	47	UG/KG	U	U	
REG	Aroclor-1254	96	UG/KG	U	UJ	C08
REG	Aroclor-1260	96	UG/KG	U	U	
REG	Beta-BHC	1.8	UG/KG	U	UJ	C08
REG	Delta-BHC	1.8	UG/KG	U	U	
REG	Dieldrin	3.6	UG/KG	U	U	
REG	Endosulfan I	1.8	UG/KG	U	U	
REG	Endosulfan II	3.6	UG/KG	U	U	
REG	Endosulfan Sulfate	3.6	UG/KG	U	UJ	C08
REG	Endrin	3.6	UG/KG	U	U	
REG	Endrin Aldehyde	3.6	UG/KG	U	UJ	C08
REG	Endrin Ketone	3.6	UG/KG	U	UJ	C08
REG	Gamma Chlordane	1.8	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	1.8	UG/KG	U	U	
REG	Heptachlor	1.8	UG/KG	U	U	
REG	Heptachlor Epoxide	1.8	UG/KG	U	U	
REG	Methoxychlor	18	UG/KG	U	UJ	C08
REG	Toxaphene	120	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	940	UG/KG	U	U	
REG	1,2-Dichlorobenzene	940	UG/KG	U	U	
REG	1,3-Dichlorobenzene	940	UG/KG	U	U	
REG	1,4-Dichlorobenzene	940	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12sd-026(d) Southwest drainage north of bldg FN54

Northing: 10115.00
 Easting: 146882.00
 Elevation:

L12sd-026(d)-0337-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/28/96

Field Measurements	Air Temperature	85	DEG F
	Head Space	0.0	PPM
	Organic Vapor	0.0	PPM

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,2'-oxybis (1-chloropropane)	940	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	2300	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	940	UG/KG	U	U	
REG	2,4-Dichlorophenol	940	UG/KG	U	U	
REG	2,4-Dimethylphenol	940	UG/KG	U	U	
REG	2,4-Dinitrophenol	2300	UG/KG	U	U	
REG	2-Chloronaphthalene	940	UG/KG	U	U	
REG	2-Chlorophenol	940	UG/KG	U	U	
REG	2-Methylnaphthalene	940	UG/KG	U	U	
REG	2-Methylphenol	940	UG/KG	U	U	
REG	2-Nitroaniline	2300	UG/KG	U	U	
REG	2-Nitrophenol	940	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	2300	UG/KG	U	U	
REG	3-Nitroaniline	2300	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	940	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	940	UG/KG	U	U	
REG	4-Chloroaniline	940	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	940	UG/KG	U	U	
REG	4-Methylphenol	940	UG/KG	U	U	
REG	4-Nitroaniline	2300	UG/KG	U	U	
REG	4-Nitrophenol	2300	UG/KG	U	U	
REG	4-chloro-3-methylphenol	940	UG/KG	U	U	
REG	Acenaphthene	940	UG/KG	U	U	
REG	Acenaphthylene	940	UG/KG	U	U	
REG	Anthracene	940	UG/KG	U	U	
REG	Benzo(a)anthracene	940	UG/KG	U	U	
REG	Benzo(a)pyrene	940	UG/KG	U	U	
REG	Benzo(b)fluoranthene	940	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	940	UG/KG	U	U	
REG	Benzo(k)fluoranthene	940	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	940	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	940	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	940	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	940	UG/KG	U	U	
REG	Carbazole	940	UG/KG	U	U	
REG	Chrysene	940	UG/KG	U	U	
REG	Di-n-butyl Phthalate	940	UG/KG	U	U	
REG	Di-n-octyl Phthalate	940	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	940	UG/KG	U	U	
REG	Dibenzofuran	940	UG/KG	U	U	
REG	Diethyl Phthalate	940	UG/KG	U	U	
REG	Dimethyl Phthalate	940	UG/KG	U	U	
REG	Fluoranthene	940	UG/KG	U	U	
REG	Fluorene	940	UG/KG	U	U	
REG	Hexachlorobenzene	940	UG/KG	U	U	
REG	Hexachlorobutadiene	940	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	940	UG/KG	U	U	
REG	Hexachloroethane	940	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	940	UG/KG	U	U	
REG	Isophorone	940	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	940	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	940	UG/KG	U	U	
REG	Naphthalene	940	UG/KG	U	U	
REG	Pentachlorophenol	2300	UG/KG	U	U	
REG	Phenanthrene	940	UG/KG	U	U	
REG	Phenol	940	UG/KG	U	U	
REG	Pyrene	940	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	17300	MG/KG	=		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	7	UG/KG	U	UJ	G02,K01
REG	1,1,2,2-Tetrachloroethane	7	UG/KG	U	UJ	C05,G02,K01
REG	1,1,2-Trichloroethane	7	UG/KG	U	UJ	G02,K01
REG	1,1-Dichloroethane	7	UG/KG	U	UJ	G02,K01
REG	1,1-Dichloroethene	7	UG/KG	U	UJ	G02,K01
REG	1,2-Dichloroethane	7	UG/KG	U	UJ	G02,K01
REG	1,2-Dichloropropane	7	UG/KG	U	UJ	G02,K01
REG	1,2-cis-Dichloroethene	7	UG/KG	U	UJ	G02,K01
REG	1,2-trans-Dichloroethene	7	UG/KG	U	UJ	G02,K01
REG	1,3-cis-Dichloropropene	7	UG/KG	U	UJ	G02,K01
REG	1,3-trans-Dichloropropene	7	UG/KG	U	UJ	G02,K01
REG	2-Butanone	7	UG/KG	U	UJ	G02,K01
REG	2-Hexanone	7	UG/KG	U	UJ	G02,K01
REG	4-Methyl-2-pentanone	7	UG/KG	U	UJ	G02,K01
REG	Acetone	7	UG/KG	U	UJ	G02,K01
REG	Benzene	7	UG/KG	U	UJ	G02,K01
REG	Bromodichloromethane	7	UG/KG	U	UJ	G02,K01
REG	Bromoform	7	UG/KG	U	UJ	G02,K01
REG	Bromomethane	7	UG/KG	U	UJ	G02,K01
REG	Carbon Disulfide	7	UG/KG	U	UJ	G02,K01
REG	Carbon Tetrachloride	7	UG/KG	U	UJ	G02,K01
REG	Chlorobenzene	7	UG/KG	U	UJ	G02,K01
REG	Chloroethane	7	UG/KG	U	UJ	C02,G02,K01
REG	Chloroform	7	UG/KG	U	UJ	G02,K01
REG	Chloromethane	7	UG/KG	U	UJ	G02,K01
REG	Dibromochloromethane	7	UG/KG	U	UJ	G02,K01
REG	Ethylbenzene	7	UG/KG	U	UJ	G02,K01
REG	Methylene Chloride	15	UG/KG	B	UJ	F01,F07,G02
REG	Styrene	7	UG/KG	U	UJ	G02,K01
REG	Tetrachloroethene	7	UG/KG	U	UJ	G02,K01
REG	Toluene	7	UG/KG	U	UJ	G02,K01
REG	Trichloroethene	7	UG/KG	U	UJ	G02,K01
REG	Vinyl Chloride	7	UG/KG	U	UJ	G02,K01
REG	Xylenes, Total	7	UG/KG	U	UJ	G02,K01
REG	o-Xylene	7	UG/KG	U	UJ	G02,K01

Location: Load Line 12
Station: L12sd-027(d) Southwest drainage northeast of bldg FN54

Northing: 10109.00
Easting: 146924.00
Elevation:

L12sd-027(d)-0338-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements	Result	Units
Air Temperature	85	DEG F
Head Space	0.0	PPM
Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	14600	MG/KG	*	=	
REG	Arsenic	16.9	MG/KG	*	=	
REG	Barium	119	MG/KG	*	=	
REG	Cadmium	0.06	MG/KG	U	U	
REG	Chromium	23.7	MG/KG	*	=	
REG	Lead	19.3	MG/KG	*	=	
REG	Manganese	221	MG/KG	*	=	
REG	Mercury	0.12	MG/KG		=	
REG	Selenium	0.68	MG/KG	B	J	F06
REG	Silver	0.29	MG/KG	U	U	
REG	Zinc	142	MG/KG	*	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12sd-027(d) Southwest drainage northeast of bldg FN54

Northing: 10109.00
 Easting: 146924.00
 Elevation:

L12sd-027(d)-0338-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	68	DEG F			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	11700	MG/KG	=			

Location: Load Line 12
 Station: L12sd-028(d) Southeast drainage near FA902

Northing: 10251.00
 Easting: 147236.00
 Elevation:

L12sd-028(d)-0339-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	68	DEG F			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	1.4	MG/KG	B	J	F06	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	18500	MG/KG	=			
REG	Antimony	2.6	MG/KG	=			
REG	Arsenic	217	MG/KG	=			
REG	Barium	115	MG/KG	=			
REG	Beryllium	2.5	MG/KG	=			
REG	Cadmium	2	MG/KG	=			
REG	Calcium	4510	MG/KG	=			
REG	Chromium	19	MG/KG	=			
REG	Cobalt	27.7	MG/KG	=			
REG	Copper	399	MG/KG	=			
REG	Iron	48800	MG/KG	=			
REG	Lead	88.7	MG/KG	=			
REG	Magnesium	2160	MG/KG	=			
REG	Manganese	575	MG/KG	=			
REG	Mercury	1.2	MG/KG	=			
REG	Nickel	59.7	MG/KG	=			
REG	Potassium	1050	MG/KG	B	J	F06	
REG	Selenium	2	MG/KG	=			
REG	Silver	0.64	MG/KG	U	=		
REG	Sodium	654	MG/KG	B	J	F06	
REG	Thallium	2.4	MG/KG	=			
REG	Vanadium	19.4	MG/KG	=			
REG	Zinc	794	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station: L12sd-028(d) Southeast drainage near FA902

Northing: 10251.00
Easting: 147236.00
Elevation:

L12sd-028(d)-0339-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/86

Field Measurements

Air Temperature 70 DEG F
Head Space 0.0 PPM
Organic Vapor 0.0 PPM

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	8.3	UG/KG	U	U	
REG	4,4'-DDE	8.3	UG/KG	U	U	
REG	4,4'-DDT	8.3	UG/KG	U	U	
REG	Aldrin	4.3	UG/KG	U	U	
REG	Alpha Chlordane	4.3	UG/KG	U	U	
REG	Alpha-BHC	4.3	UG/KG	U	U	
REG	Aroclor-1016	110	UG/KG	U	U	
REG	Aroclor-1221	110	UG/KG	U	U	
REG	Aroclor-1232	110	UG/KG	U	U	
REG	Aroclor-1242	110	UG/KG	U	U	
REG	Aroclor-1248	110	UG/KG	U	U	
REG	Aroclor-1254	310	UG/KG	=		
REG	Aroclor-1260	220	UG/KG	U	U	
REG	Beta-BHC	4.3	UG/KG	U	U	
REG	Delta-BHC	4.3	UG/KG	U	U	
REG	Dieldrin	8.3	UG/KG	U	U	
REG	Endosulfan I	4.3	UG/KG	U	U	
REG	Endosulfan II	8.3	UG/KG	U	U	
REG	Endosulfan Sulfate	8.3	UG/KG	U	U	
REG	Endrin	8.3	UG/KG	U	U	
REG	Endrin Aldehyde	8.3	UG/KG	U	U	
REG	Endrin Ketone	8.3	UG/KG	U	U	
REG	Gamma Chlordane	4.3	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	4.3	UG/KG	U	U	
REG	Heptachlor	4.3	UG/KG	U	U	
REG	Heptachlor Epoxide	4.3	UG/KG	U	U	
REG	Methoxychlor	43	UG/KG	U	U	
REG	Toxaphene	280	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	2200	UG/KG	U	U	
REG	1,2-Dichlorobenzene	2200	UG/KG	U	U	
REG	1,3-Dichlorobenzene	2200	UG/KG	U	U	
REG	1,4-Dichlorobenzene	2200	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	2200	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	5300	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	2200	UG/KG	U	U	
REG	2,4-Dichlorophenol	2200	UG/KG	U	U	
REG	2,4-Dimethylphenol	2200	UG/KG	U	U	
REG	2,4-Dinitrophenol	5300	UG/KG	U	U	
REG	2-Chloronaphthalene	2200	UG/KG	U	U	
REG	2-Chlorophenol	2200	UG/KG	U	U	
REG	2-Methylnaphthalene	2200	UG/KG	U	U	
REG	2-Methylphenol	2200	UG/KG	U	U	
REG	2-Nitroaniline	5300	UG/KG	U	U	
REG	2-Nitrophenol	2200	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	5300	UG/KG	U	U	
REG	3-Nitroaniline	5300	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	2200	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	2200	UG/KG	U	U	
REG	4-Chloroaniline	2200	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	2200	UG/KG	U	U	
REG	4-Methylphenol	2200	UG/KG	U	U	
REG	4-Nitroaniline	5300	UG/KG	U	U	
REG	4-Nitrophenol	5300	UG/KG	U	U	
REG	4-chloro-3-methylphenol	2200	UG/KG	U	U	
REG	Acenaphthene	2200	UG/KG	U	U	
REG	Acenaphthylene	2200	UG/KG	U	U	
REG	Anthracene	350	UG/KG	J	J	
REG	Benzo(a)anthracene	460	UG/KG	J	J	
REG	Benzo(a)pyrene	340	UG/KG	J	J	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station: L12sd-028(d) Southeast drainage near FA902

Northing: 10251.00
Easting: 147236.00
Elevation:

L12sd-028(d)-0339-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	70	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Benzo(b)fluoranthene	320	UG/KG	J	J		
REG	Benzo(g,h,i)perylene	240	UG/KG	J	J		
REG	Benzo(k)fluoranthene	350	UG/KG	J	J		
REG	Bis(2-chloroethoxy)methane	2200	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	2200	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	2200	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	2200	UG/KG	U	U		
REG	Carbazole	2200	UG/KG	U	U		
REG	Chrysene	620	UG/KG	J	J		
REG	Di-n-butyl Phthalate	2200	UG/KG	U	U		
REG	Di-n-octyl Phthalate	2200	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	2200	UG/KG	U	U		
REG	Dibenzofuran	2200	UG/KG	U	U		
REG	Diethyl Phthalate	2200	UG/KG	U	U		
REG	Dimethyl Phthalate	2200	UG/KG	U	U		
REG	Fluoranthene	1600	UG/KG	J	J		
REG	Fluorene	2200	UG/KG	U	U		
REG	Hexachlorobenzene	2200	UG/KG	U	U		
REG	Hexachlorobutadiene	2200	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	2200	UG/KG	U	U		
REG	Hexachloroethane	2200	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	280	UG/KG	J	J		
REG	Isophorone	2200	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	2200	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	2000	UG/KG	J	J		
REG	Naphthalene	2200	UG/KG	U	U		
REG	Pentachlorophenol	5300	UG/KG	U	U		
REG	Phenanthrene	540	UG/KG	J	J		
REG	Phenol	2200	UG/KG	U	U		
REG	Pyrene	980	UG/KG	J	J		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	91900	MG/KG	=			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	17	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	17	UG/KG	U	U		
REG	1,1,2-Trichloroethane	17	UG/KG	U	U		
REG	1,1-Dichloroethane	17	UG/KG	U	U		
REG	1,1-Dichloroethene	17	UG/KG	U	U		
REG	1,2-Dichloroethane	17	UG/KG	U	U		
REG	1,2-Dichloropropane	17	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	17	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	17	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	17	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	17	UG/KG	U	U		
REG	2-Butanone	440	UG/KG	J	J	C02,C05	
REG	2-Hexanone	17	UG/KG	U	U		
REG	4-Methyl-2-pentanone	17	UG/KG	U	U		
REG	Acetone	870	UG/KG	D	J	C02,C05	
REG	Benzene	17	UG/KG	U	U		
REG	Bromodichloromethane	17	UG/KG	U	U		
REG	Bromoform	17	UG/KG	U	U		
REG	Bromomethane	17	UG/KG	U	UJ	C05	
REG	Carbon Disulfide	180	UG/KG	=			
REG	Carbon Tetrachloride	17	UG/KG	U	U		
REG	Chlorobenzene	17	UG/KG	U	UJ	C02	
REG	Chloroethane	17	UG/KG	U	UJ		
REG	Chloroform	17	UG/KG	U	U		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station: L12sd-028(d) Southeast drainage near FA902

Northing: 10251.00
Easting: 147236.00
Elevation:

L12sd-028(d)-0339-SD 0.0 - 0.5 FT

Field Sample Type: Grab Composite

Matrix: Drainage Sediment

Collected: 07/29/96

Field Measurements	Air Temperature	70	DEG F
	Head Space	0.0	PPM
	Organic Vapor	0.0	PPM

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chloromethane	17	UG/KG	U	U	
REG	Dibromochloromethane	17	UG/KG	U	U	
REG	Ethylbenzene	17	UG/KG	U	U	
REG	Methylene Chloride	90	UG/KG	B	U	F01,F07
REG	Styrene	17	UG/KG	U	U	
REG	Tetrachloroethene	17	UG/KG	U	U	
REG	Toluene	17	UG/KG	U	U	
REG	Trichloroethene	17	UG/KG	U	U	
REG	Vinyl Chloride	17	UG/KG	U	U	
REG	Xylenes, Total	17	UG/KG	U	U	
REG	o-Xylene	17	UG/KG	U	U	

Location: Load Line 12
Station: L12sd-029(d) East drainage upgradient of confluence with main e

Northing: 11198.00
Easting: 146828.00
Elevation:

L12sd-029(d)-0340-SD 0.0 - 1.0 FT

Field Sample Type: Grab Composite

Matrix: Drainage Sediment

Collected: 07/29/96

Field Measurements	Air Temperature	70	DEG F
	Head Space	0.0	PPM
	Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9050	MG/KG	*	=	
REG	Arsenic	41.2	MG/KG	*	=	
REG	Barium	63.1	MG/KG	*	=	
REG	Cadmium	1.3	MG/KG	*	=	
REG	Chromium	11.7	MG/KG	*	=	
REG	Lead	18	MG/KG	*	=	
REG	Manganese	443	MG/KG	*	=	
REG	Mercury	0.18	MG/KG	*	=	
REG	Selenium	0.51	MG/KG	B	J	F06
REG	Silver	0.26	MG/KG	U	U	
REG	Zinc	254	MG/KG	*	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	29800	MG/KG		=	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12sd-030(d) East drainage downgradient of confluence with main

Northing: 11262.00
 Easting: 146800.00
 Elevation:

L12sd-030(d)-0341-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	72	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	11400	MG/KG	=				
REG	Arsenic	16.5	MG/KG	N*	J	I01		
REG	Barium	58.6	MG/KG	=				
REG	Cadmium	0.15	MG/KG	B	J	F06		
REG	Chromium	16.4	MG/KG	=				
REG	Lead	11.4	MG/KG	*	=			
REG	Manganese	625	MG/KG	*	=			
REG	Mercury	0.05	MG/KG	U	U			
REG	Selenium	1.7	MG/KG	=				
REG	Silver	0.26	MG/KG	U	U			
REG	Zinc	85.1	MG/KG	N*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	610	UG/KG	=				
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	UJ	P02		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	3750	MG/KG	=				

Location: Load Line 12
 Station: L12sd-031(d) Main drainage north of load line upgradient of con

Northing: 13236.00
 Easting: 146943.00
 Elevation:

L12sd-031(d)-0342-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/31/96

Field Measurements		Air Temperature	65	DEG F				
		Head Space	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	7620	MG/KG	=				
REG	Arsenic	6.9	MG/KG	=				
REG	Barium	67.5	MG/KG	=				
REG	Cadmium	0.97	MG/KG	N*	J	I02,J04		
REG	Chromium	11.2	MG/KG	=				
REG	Lead	21.7	MG/KG	*	=			
REG	Manganese	288	MG/KG	N*	J	I02		
REG	Mercury	0.09	MG/KG	=				
REG	Selenium	0.79	MG/KG	N	J	I01		
REG	Silver	0.47	MG/KG	B	J	F06		
REG	Zinc	148	MG/KG	E*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	1500	UG/KG	=				
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12sd-031(d) Main drainage north of load line upgradient of con

Northing: 13236.00
Easting: 146943.00
Elevation:

L12sd-031(d)-0342-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/31/96

Field Measurements		Air Temperature	72	DEG F			
		Head Space	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code		
REG	2-Nitrotoluene	250	UG/KG	U U			
REG	3-Nitrotoluene	250	UG/KG	U U			
REG	4-Nitrotoluene	250	UG/KG	U U			
REG	HMX	2000	UG/KG	U U			
REG	Nitrobenzene	260	UG/KG	U U			
REG	RDX	1000	UG/KG	U U			
REG	Tetryl	650	UG/KG	U U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code		
REG	Organic Carbon	33200	MG/KG	=			

Location: Load Line 12
Station : L12sd-033(d) Low area northwest of settling pond north of paved

Northing: 11454.00
Easting: 146470.00
Elevation:

L12sd-033(d)-0344-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/28/96

Field Measurements		Air Temperature	72	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code		
REG	Aluminum	10400	MG/KG	=			
REG	Arsenic	11.5	MG/KG	=			
REG	Barium	68.9	MG/KG	N* J	I02		
REG	Cadmium	0.23	MG/KG	BN* J	F06		
REG	Chromium	14	MG/KG	N* J	I02		
REG	Lead	19.7	MG/KG	=			
REG	Manganese	265	MG/KG	*	=		
REG	Mercury	0.03	MG/KG	U U			
REG	Selenium	0.52	MG/KG	BN J	I02		
REG	Silver	0.2	MG/KG	U U			
REG	Zinc	68.9	MG/KG	*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U U			
REG	1,3-Dinitrobenzene	250	UG/KG	U U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U U			
REG	2,4-Dinitrotoluene	250	UG/KG	U UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U U			
REG	2-Nitrotoluene	250	UG/KG	U U			
REG	3-Nitrotoluene	250	UG/KG	U U			
REG	4-Nitrotoluene	250	UG/KG	U U			
REG	HMX	2000	UG/KG	U U			
REG	Nitrobenzene	260	UG/KG	U U			
REG	RDX	1000	UG/KG	U U			
REG	Tetryl	650	UG/KG	U U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code		
REG	Organic Carbon	11800	MG/KG	=			

Location: Load Line 12
Station : L12sd-034(d) Low area northwest of settling pond north of paved

Northing: 11336.00
Easting: 146412.00
Elevation:

L12sd-034(d)-0345-SD 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/28/96

Field Measurements		Air Temperature	76	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	10400	MG/KG	=		
REG	Arsenic	8.4	MG/KG	=		
REG	Barium	73.4	MG/KG	N*	J	I02
REG	Cadmium	0.53	MG/KG	BN*	J	F06
REG	Chromium	20	MG/KG	N*	J	I02
REG	Lead	32.2	MG/KG	=		
REG	Manganese	497	MG/KG	*	=	
REG	Mercury	0.04	MG/KG	U	U	
REG	Selenium	0.42	MG/KG	BN	J	I02
REG	Silver	0.21	MG/KG	U	U	
REG	Zinc	116	MG/KG	*	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	23200	MG/KG	=		

Location: Load Line 12
 Station : L12sd-035(d) Drainage channel from low area northwest of settl

Northing: 11234.00
 Easting: 146483.00
 Elevation:

L12sd-035(d)-0346-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/28/96

Field Measurements	Air Temperature	75	DEG F
	Head Space	0.0	PPM
	Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11500	MG/KG	=		
REG	Arsenic	6.8	MG/KG	=		
REG	Barium	45.4	MG/KG	N*	J	I02
REG	Cadmium	0.09	MG/KG	BN*	J	F06
REG	Chromium	13.7	MG/KG	N*	J	I02
REG	Lead	16.8	MG/KG	=		
REG	Manganese	114	MG/KG	*	=	
REG	Mercury	0.03	MG/KG	U	U	
REG	Selenium	0.56	MG/KG	N	J	I02
REG	Silver	0.2	MG/KG	U	U	
REG	Zinc	57.3	MG/KG	*	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	5780	MG/KG	=		

Location: Load Line 12
Station: L12sd-036(d) Drainage channel from low area northwest of settli
Northing: 11177.00
Easting: 146535.00
Elevation:

L12sd-036(d)-0347-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/28/96

Field Measurements	Air Temperature	75	DEG F
	Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	6870	MG/KG	=		
REG	Arsenic	4	MG/KG	=		
REG	Barium	26.7	MG/KG	N*	J	I02
REG	Cadmium	0.33	MG/KG	BN*	J	F06
REG	Chromium	8.2	MG/KG	N*	J	I02
REG	Lead	10.3	MG/KG			
REG	Manganese	53.7	MG/KG	*		
REG	Mercury	0.04	MG/KG	U	U	
REG	Selenium	0.41	MG/KG	BN	J	I02
REG	Silver	0.21	MG/KG	U	U	
REG	Zinc	85.1	MG/KG	*		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	10700	MG/KG	=		

Location: Load Line 12
Station: L12sd-037(d) Central drainage south from confluence with main d
Northing: 10676.00
Easting: 146681.00
Elevation:

L12sd-037(d)-0348-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements	Air Temperature	75	DEG F
	Organic Vapor	0.0	PPM
	Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11600	MG/KG	=		
REG	Arsenic	9.7	MG/KG	N	J	I02
REG	Barium	59.3	MG/KG			
REG	Cadmium	0.29	MG/KG	B	J	F06
REG	Chromium	16.6	MG/KG	N*	J	I02
REG	Lead	18	MG/KG	*		
REG	Manganese	115	MG/KG			
REG	Mercury	0.04	MG/KG	UN*	J	I01
REG	Selenium	0.46	MG/KG	BN	J	I01
REG	Silver	0.25	MG/KG	U	U	
REG	Zinc	76	MG/KG	J		I01

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
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Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12sd-037(d) Central drainage south from confluence with main d

Northing: 10676.00
 Easting: 146681.00
 Elevation:

L12sd-037(d)-0348-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/29/96

Field Measurements		Air Temperature	81	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	660	UG/KG	=				
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	170000	UG/KG	D	=			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	R	P03		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	11100	MG/KG	=				

Location: Load Line 12
 Station : L12sd-038(d) Main drainage north of LL12 upgradient from conflu

Northing: 12470.00
 Easting: 146291.00
 Elevation:

L12sd-038(d)-0349-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	81	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	9690	MG/KG	=				
REG	Arsenic	11.6	MG/KG	N*	J	I01		
REG	Barium	74.1	MG/KG	=				
REG	Cadmium	0.1	MG/KG	B	J	F06		
REG	Chromium	13.4	MG/KG	=				
REG	Lead	15.2	MG/KG	*	=			
REG	Manganese	458	MG/KG	*	=			
REG	Mercury	0.05	MG/KG	U	U			
REG	Selenium	2.4	MG/KG	=				
REG	Silver	0.29	MG/KG	U	U			
REG	Zinc	82.6	MG/KG	N*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	160	UG/KG	J	J			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	UJ	P02		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	9430	MG/KG	=				

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12sd-039(d) Drainage north of LL12 upgradient from confluence

Northing: 11938.00
Easting: 146522.00
Elevation:

L12sd-039(d)-0350-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 07/30/96

Field Measurements		Air Temperature	67	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	14900	MG/KG	=			
REG	Arsenic	22.7	MG/KG	N	J	I02	
REG	Barium	170	MG/KG	=			
REG	Cadmium	0.71	MG/KG	B	J	F06	
REG	Chromium	27	MG/KG	N*	J	I02	
REG	Lead	31	MG/KG	*	=		
REG	Manganese	1170	MG/KG	=			
REG	Mercury	0.1	MG/KG	N*	J	I01	
REG	Selenium	1.1	MG/KG	N	J	I01	
REG	Silver	58	MG/KG	=			
REG	Zinc	205	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	390	UG/KG	=			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	43700	MG/KG	=			

Location: Load Line 12
Station : L12sd-051(p) From settling pond along drainage axis

Northing: 11260.00
Easting: 146593.00
Elevation:

L12sd-051(p)-0363-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/13/96

Field Measurements		Air Temperature	68	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	10500	MG/KG	=			
REG	Arsenic	6.2	MG/KG	N	J	I01	
REG	Barium	83.5	MG/KG	=			
REG	Cadmium	0.19	MG/KG	B	J	F06	
REG	Chromium	15.2	MG/KG	E	=		
REG	Lead	17.9	MG/KG	J	J	I01	
REG	Manganese	250	MG/KG	N	J	I01	
REG	Mercury	0.07	MG/KG	U	U		
REG	Selenium	0.61	MG/KG	U	U		
REG	Silver	0.39	MG/KG	U	U		
REG	Zinc	82.7	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station: L12sd-051(p) From settling pond along drainage axis

Northing: 11260.00
Easting: 146593.00
Elevation:

L12sd-051(p)-0363-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/13/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	15100	MG/KG	=			

L12sd-051(p)-0364-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Drainage Sediment Collected: 08/13/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	10300	MG/KG	=			
REG	Arsenic	6.6	MG/KG	N	J	I01	
REG	Barium	75.6	MG/KG	=			
REG	Cadmium	0.18	MG/KG	B	J	F06	
REG	Chromium	14.5	MG/KG	E	=		
REG	Lead	16.5	MG/KG	J		I01	
REG	Manganese	232	MG/KG	N	J	I01	
REG	Mercury	0.08	MG/KG	=			
REG	Selenium	0.58	MG/KG	U	U		
REG	Silver	0.37	MG/KG	U	U		
REG	Zinc	76.3	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	11600	MG/KG	=			

Location: Load Line 12
Station: L12sd-052(p) From settling pond along drainage axis

Northing: 11177.00
Easting: 146611.00
Elevation:

L12sd-052(p)-0366-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/13/96

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	7410	MG/KG	=			
REG	Arsenic	5.6	MG/KG	N	J	I01	
REG	Barium	47.3	MG/KG	=			
REG	Cadmium	0.15	MG/KG	B	J	F06	
REG	Chromium	10.6	MG/KG	E	=		

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12sd-052(p) From settling pond along drainage axis

Northing: 11177.00
Easting: 146611.00
Elevation:

L12sd-052(p)-0366-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/13/96

Field Measurements		Air Temperature	80	DEG F	Qualifiers		Validation
Sample Type	Metals	Result	Units	Lab	Data		Code
REG	Lead	11.6	MG/KG	J			I01
REG	Manganese	182	MG/KG	N	J		I01
REG	Mercury	0.05	MG/KG	U	U		
REG	Selenium	0.47	MG/KG	U	U		
REG	Silver	0.3	MG/KG	U	U		
REG	Zinc	63.1	MG/KG	=			

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	11200	MG/KG	=		

Location: Load Line 12
Station : L12sd-053(p) From settling pond along drainage axis

Northing: 11098.00
Easting: 146589.00
Elevation:

L12sd-053(p)-0367-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/13/96

Field Measurements		Air Temperature	80	DEG F	Qualifiers		Validation
Sample Type	Cyanide	Result	Units	Lab	Data		Code
REG	Cyanide	0.21	MG/KG	U	U		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9240	MG/KG	=		
REG	Antimony	0.64	MG/KG	U	U	
REG	Arsenic	8.4	MG/KG	=		
REG	Barium	64.9	MG/KG	=		
REG	Beryllium	0.66	MG/KG	=		
REG	Cadmium	0.71	MG/KG	B	J	F06
REG	Calcium	2710	MG/KG	=		
REG	Chromium	14.1	MG/KG	=		
REG	Cobalt	9.1	MG/KG	=		
REG	Copper	28.9	MG/KG	=		
REG	Iron	19400	MG/KG	=		
REG	Lead	29.9	MG/KG	=		
REG	Magnesium	2230	MG/KG	=		
REG	Manganese	195	MG/KG	=		
REG	Mercury	0.07	MG/KG	U	U	
REG	Nickel	19	MG/KG	=		
REG	Potassium	800	MG/KG	B	J	F06
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	0.4	MG/KG	U	U	
REG	Sodium	400	MG/KG	B	J	F06
REG	Thallium	0.74	MG/KG	B	J	F06
REG	Vanadium	16.1	MG/KG	=		
REG	Zinc	204	MG/KG	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	D08,C05
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	2.6	UG/KG	U	U	M08
REG	4,4'-DDE	2.6	UG/KG	U	U	
REG	4,4'-DDT	2.6	UG/KG	U	U	
REG	Aldrin	1.4	UG/KG	U	U	
REG	Alpha Chlordane	1.4	UG/KG	U	U	
REG	Alpha-BHC	1.4	UG/KG	U	U	
REG	Aroclor-1016	35	UG/KG	U	U	
REG	Aroclor-1221	35	UG/KG	U	U	
REG	Aroclor-1232	35	UG/KG	U	U	
REG	Aroclor-1242	35	UG/KG	U	U	
REG	Aroclor-1248	35	UG/KG	U	U	
REG	Aroclor-1254	71	UG/KG	U	U	
REG	Aroclor-1260	71	UG/KG	U	U	
REG	Beta-BHC	1.4	UG/KG	U	U	
REG	Delta-BHC	1.4	UG/KG	U	U	
REG	Dieldrin	2.6	UG/KG	U	U	
REG	Endosulfan I	1.4	UG/KG	U	U	
REG	Endosulfan II	2.6	UG/KG	U	U	
REG	Endosulfan Sulfate	2.6	UG/KG	U	U	
REG	Endrin	2.6	UG/KG	U	U	
REG	Endrin Aldehyde	2.6	UG/KG	U	U	
REG	Endrin Ketone	2.6	UG/KG	U	U	
REG	Gamma Chlordane	1.4	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	1.4	UG/KG	U	U	
REG	Heptachlor	1.9	UG/KG	P	J	
REG	Heptachlor Epoxide	1.4	UG/KG	U	U	
REG	Methoxychlor	14	UG/KG	U	U	
REG	Toxaphene	88	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	700	UG/KG	U	U	
REG	1,2-Dichlorobenzene	700	UG/KG	U	U	
REG	1,3-Dichlorobenzene	700	UG/KG	U	U	
REG	1,4-Dichlorobenzene	700	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	700	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1700	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	700	UG/KG	U	U	
REG	2,4-Dichlorophenol	700	UG/KG	U	U	
REG	2,4-Dimethylphenol	700	UG/KG	U	U	
REG	2,4-Dinitrophenol	1700	UG/KG	U	U	
REG	2-Chloronaphthalene	700	UG/KG	U	U	
REG	2-Chlorophenol	700	UG/KG	U	U	
REG	2-Methylnaphthalene	700	UG/KG	U	U	
REG	2-Methylphenol	700	UG/KG	U	U	
REG	2-Nitroaniline	1700	UG/KG	U	U	
REG	2-Nitrophenol	700	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1700	UG/KG	U	U	
REG	3-Nitroaniline	1700	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	700	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	700	UG/KG	U	U	
REG	4-Chloroaniline	700	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	700	UG/KG	U	U	
REG	4-Methylphenol	700	UG/KG	U	U	
REG	4-Nitroaniline	1700	UG/KG	U	U	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12sd-053(p) From settling pond along drainage axis

Northing: 11098.00
Easting: 146589.00
Elevation:

L12sd-053(p)-0367-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/13/96

Field Measurements		Air Temperature	80	DEG F	Qualifiers		Validation
Sample Type	Semi-Volatile Organics	Result	Units	Lab	Data	Code	
REG	4-Nitrophenol	1700	UG/KG	U	U		
REG	4-chloro-3-methylphenol	700	UG/KG	U	U		
REG	Acenaphthene	700	UG/KG	U	U		
REG	Acenaphthylene	700	UG/KG	U	U		
REG	Anthracene	700	UG/KG	U	U		
REG	Benzo(a)anthracene	700	UG/KG	U	U		
REG	Benzo(a)pyrene	700	UG/KG	U	U		
REG	Benzo(b)fluoranthene	700	UG/KG	U	U		
REG	Benzo(g,h,i)perylene	700	UG/KG	U	U		
REG	Benzo(k)fluoranthene	700	UG/KG	U	U		
REG	Bis(2-chloroethoxy)methane	700	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	700	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	700	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	700	UG/KG	U	U		
REG	Carbazole	700	UG/KG	U	U		
REG	Chrysene	700	UG/KG	U	U		
REG	Di-n-butyl Phthalate	700	UG/KG	U	U		
REG	Di-n-octyl Phthalate	700	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	700	UG/KG	U	U		
REG	Dibenzofuran	700	UG/KG	U	U		
REG	Diethyl Phthalate	700	UG/KG	U	U		
REG	Dimethyl Phthalate	700	UG/KG	U	U		
REG	Fluoranthene	700	UG/KG	U	U		
REG	Fluorene	700	UG/KG	U	U		
REG	Hexachlorobenzene	700	UG/KG	U	U		
REG	Hexachlorobutadiene	700	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	700	UG/KG	U	UJ		C05
REG	Hexachloroethane	700	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	700	UG/KG	U	U		
REG	Isophorone	700	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	700	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	700	UG/KG	U	U		
REG	Naphthalene	700	UG/KG	U	U		
REG	Pentachlorophenol	1700	UG/KG	U	U		
REG	Phenanthrene	700	UG/KG	U	U		
REG	Phenol	700	UG/KG	U	U		
REG	Pyrene	700	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation	
REG	Organic Carbon	28100	MG/KG		=		
Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation	
REG	1,1,1-Trichloroethane	11	UG/KG	U	UJ		G02
REG	1,1,2,2-Tetrachloroethane	11	UG/KG	U	UJ		G02
REG	1,1,2-Trichloroethane	11	UG/KG	U	UJ		G02
REG	1,1-Dichloroethane	11	UG/KG	U	UJ		G02
REG	1,1-Dichloroethene	11	UG/KG	U	UJ		G02
REG	1,2-Dichloroethane	11	UG/KG	U	UJ		G02
REG	1,2-Dichloropropane	11	UG/KG	U	UJ		G02
REG	1,2-cis-Dichloroethene	11	UG/KG	U	UJ		G02
REG	1,2-trans-Dichloroethene	11	UG/KG	U	UJ		G02
REG	1,3-cis-Dichloropropene	11	UG/KG	U	UJ		G02
REG	1,3-trans-Dichloropropene	11	UG/KG	U	UJ		G02
REG	2-Butanone	11	UG/KG	U	UJ		G02
REG	2-Hexanone	11	UG/KG	U	UJ		G02
REG	4-Methyl-2-pentanone	11	UG/KG	U	UJ		G02
REG	Acetone	11	UG/KG	U	UJ		G02,K01
REG	Benzene	150	UG/KG		J		C02,C05,G02
REG	Bromodichloromethane	11	UG/KG	U	UJ		G02
REG	Bromoform	11	UG/KG	U	UJ		G02
REG	Bromomethane	11	UG/KG	U	UJ		G02

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12sd-053(p) From settling pond along drainage axis

Northing: 11098.00
Easting: 146589.00
Elevation:

L12sd-053(p)-0367-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/13/96

Field Measurements		Air Temperature	80	DEG F			
Sample Type	Volatiles Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Carbon Disulfide	11	UG/KG	U	UJ	G02	
REG	Carbon Tetrachloride	11	UG/KG	U	UJ	G02	
REG	Chlorobenzene	11	UG/KG	U	UJ	G02,K01	
REG	Chloroethane	11	UG/KG	U	UJ	C02,G02	
REG	Chloroform	11	UG/KG	U	UJ	G02	
REG	Chloromethane	11	UG/KG	U	UJ	G02	
REG	Dibromochloromethane	11	UG/KG	U	UJ	G02	
REG	Ethylbenzene	11	UG/KG	U	UJ	G02,K01	
REG	Methylene Chloride	11	UG/KG	B	UJ	F01,F07,G02	
REG	Styrene	11	UG/KG	U	UJ	G02,K01	
REG	Tetrachloroethene	11	UG/KG	U	UJ	G02,K01	
REG	Toluene	11	UG/KG	U	UJ	G02,K01	
REG	Trichloroethene	11	UG/KG	U	UJ	G02	
REG	Vinyl Chloride	11	UG/KG	U	UJ	G02	
REG	Xylenes, Total	11	UG/KG	U	UJ	G02,K01	
REG	o-Xylene	11	UG/KG	U	UJ	G02,K01	

Location: Load Line 12
Station : L12sd-054(p) At settling pond outfall

Northing: 11086.00
Easting: 146676.00
Elevation:

L12sd-054(p)-0368-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/30/96

Field Measurements		Air Temperature	80	DEG F			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	7640	MG/KG	=			
REG	Arsenic	5.2	MG/KG	=			
REG	Barium	48.6	MG/KG	=			
REG	Cadmium	0.36	MG/KG	BN*	J	I02,J04	
REG	Chromium	10.7	MG/KG	=			
REG	Lead	16.2	MG/KG	*			
REG	Manganese	111	MG/KG	N*	J	I02	
REG	Mercury	0.06	MG/KG	=			
REG	Selenium	0.97	MG/KG	N	J	I01	
REG	Silver	0.22	MG/KG	U	U		
REG	Zinc	108	MG/KG	E*	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	13900	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12sd-055(p) Downgradient of settling pond outfall at railroad

Northing: 11130.00
 Easting: 146737.00
 Elevation:

L12sd-055(p)-0369-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 07/30/96

Field Measurements		Air Temperature	73	DEG F			
		Head Space	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Aluminum	6970	MG/KG	=			
REG	Arsenic	6.8	MG/KG	=			
REG	Barium	40.9	MG/KG	=			
REG	Cadmium	1.4	MG/KG	N*	J	102,J04	
REG	Chromium	9.7	MG/KG	=			
REG	Lead	19.3	MG/KG	*	=		
REG	Manganese	179	MG/KG	N*	J	101	
REG	Mercury	0.06	MG/KG	=			
REG	Selenium	1.2	MG/KG	N	J	101	
REG	Silver	0.21	MG/KG	U	U		
REG	Zinc	781	MG/KG	E*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	UJ	P02	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Organic Carbon	7010	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-001(p) Upper Cobbs Pond - along drainage axis of pond

Northing: 14403.00
 Easting: 146888.00
 Elevation:

CPCsd-001(p)-0650-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	72	DEG F			
		Head Space	1.9	PPM			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Aluminum	5830	MG/KG		=		
REG	Arsenic	4.9	MG/KG	*	=		
REG	Barium	43.4	MG/KG		=		
REG	Cadmium	0.54	MG/KG	B	J	F01	
REG	Chromium	7.9	MG/KG	*	=		
REG	Lead	12.6	MG/KG		=		
REG	Manganese	312	MG/KG	N	J	I02	
REG	Mercury	0.06	MG/KG	U	U		
REG	Selenium	1.1	MG/KG		=		
REG	Silver	0.31	MG/KG	U	U		
REG	Zinc	68.3	MG/KG	*	=		
Sample Type	Explosives	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDY	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Organic Carbon	13800	MG/KG		=		

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-002(p) Upper Cobbs Pond - along drainage axis of pond

Northing: 14531.00
 Easting: 146610.00
 Elevation:

CPCsd-002(p)-0651-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	85	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Aluminum	12000	MG/KG		=		
REG	Arsenic	23.4	MG/KG	*	=		
REG	Barium	66.1	MG/KG		=		
REG	Cadmium	0.75	MG/KG	B	J	F01	
REG	Chromium	40.9	MG/KG	*	=		
REG	Lead	31.6	MG/KG		=		
REG	Manganese	483	MG/KG	N	J	I02	
REG	Mercury	0.12	MG/KG		=		
REG	Selenium	2.9	MG/KG		=		
REG	Silver	1.3	MG/KG	B	J	F06	
REG	Zinc	167	MG/KG	*	=		
Sample Type	Explosives	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-002(p) Upper Cobbs Pond - along drainage axis of pond
 Northing: 14531.00
 Easting: 146610.00
 Elevation:

CPCsd-002(p)-0651-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	85	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	22700	MG/KG	=			

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-003(p) Upper Cobbs Pond - along drainage axis of pond
 Northing: 14717.00
 Easting: 146709.00
 Elevation:

CPCsd-003(p)-0652-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	85	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9040	MG/KG	=			
REG	Arsenic	5.9	MG/KG	*	=		
REG	Barium	52.3	MG/KG	=			
REG	Cadmium	0.54	MG/KG	B	J	F01	
REG	Chromium	54.3	MG/KG	*	=		
REG	Lead	17.9	MG/KG	=			
REG	Manganese	239	MG/KG	N	J	I02	
REG	Mercury	0.08	MG/KG	=			
REG	Selenium	1.8	MG/KG	=			
REG	Silver	1.4	MG/KG	B	J	F06	
REG	Zinc	133	MG/KG	*	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	25000	MG/KG	=			

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-004(p) Upper Cobbs Pond - along drainage axis of pond
 Northing: 15004.00
 Easting: 146687.00
 Elevation:

CPCsd-004(p)-0653-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	85	DEG F
		Organic Vapor	0.0	PPM

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	10300	MG/KG	=		
REG	Arsenic	5	MG/KG	*	=	
REG	Barium	46.7	MG/KG		=	
REG	Cadmium	0.29	MG/KG	B	U	F01
REG	Chromium	30.8	MG/KG	*	=	
REG	Lead	14.8	MG/KG		=	
REG	Manganese	171	MG/KG	N	J	I02
REG	Mercury	0.23	MG/KG		=	
REG	Selenium	1.4	MG/KG		=	
REG	Silver	0.38	MG/KG	B	J	F06
REG	Zinc	90.8	MG/KG	*	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	18900	MG/KG		=	

Location: Upper and Lower Cobbs Pond
Station: CPCsd-005(p) Upper Cobbs Pond - along drainage axis of pond

Northing: 15231.00
Easting: 146763.00
Elevation:

CPCsd-005(p)-0654-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements Air Temperature 85 DEG F
Organic Vapor 0.0 PPM

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	9520	MG/KG	=		
REG	Arsenic	7.7	MG/KG	*	=	
REG	Barium	71.1	MG/KG		=	
REG	Cadmium	0.54	MG/KG	B	J	F01
REG	Chromium	38.9	MG/KG	*	=	
REG	Lead	19.1	MG/KG		=	
REG	Manganese	375	MG/KG	N	J	I02
REG	Mercury	0.11	MG/KG		=	
REG	Selenium	1.7	MG/KG		=	
REG	Silver	0.98	MG/KG	B	J	F06
REG	Zinc	127	MG/KG	*	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	380	UG/KG	P	J	M08
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Table APPENDIX G2
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code
REG	Organic Carbon	41200	MG/KG	=	

Location: Upper and Lower Cobbs Pond
Station : CPCsd-006(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 15383.00
Easting: 146816.00
Elevation:

CPCsd-006(p)-0655-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements	Air Temperature	85	DEG F
	Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Aluminum	12500	MG/KG	=	
REG	Arsenic	16.4	MG/KG	*	
REG	Barium	100	MG/KG	*	
REG	Cadmium	1	MG/KG	B J	F06
REG	Chromium	86.2	MG/KG	*	
REG	Lead	37.8	MG/KG	*	
REG	Manganese	407	MG/KG	*	
REG	Mercury	0.15	MG/KG	=	
REG	Selenium	2.1	MG/KG	=	
REG	Silver	0.42	MG/KG	U	
REG	Zinc	222	MG/KG	*	

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U U	
REG	1,3-Dinitrobenzene	250	UG/KG	U U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U U	
REG	2,4-Dinitrotoluene	250	UG/KG	U UJ	D08,C05
REG	2,6-Dinitrotoluene	260	UG/KG	U U	
REG	2-Nitrotoluene	250	UG/KG	U U	
REG	3-Nitrotoluene	250	UG/KG	U U	
REG	4-Nitrotoluene	250	UG/KG	U U	
REG	HMX	200	UG/KG	U U	
REG	Nitrobenzene	260	UG/KG	U U	
REG	RDX	1000	UG/KG	U U	
REG	Tetryl	650	UG/KG	U U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code
REG	Organic Carbon	16600	MG/KG	=	

Location: Upper and Lower Cobbs Pond
Station : CPCsd-007(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 15892.00
Easting: 146660.00
Elevation:

CPCsd-007(p)-0656-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements	Air Temperature	75	DEG F
	Organic Vapor	0.0	PPM

Sample Type	Cyanide	Result	Units	Qualifiers Lab Data	Validation Code
REG	Cyanide	0.29	MG/KG	UN* U	

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Aluminum	8500	MG/KG	=	
REG	Antimony	1.9	MG/KG	=	
REG	Arsenic	14.4	MG/KG	=	
REG	Barium	79.1	MG/KG	=	
REG	Beryllium	0.73	MG/KG	=	
REG	Cadmium	1.4	MG/KG	B	F06
REG	Calcium	2320	MG/KG	=	
REG	Chromium	329	MG/KG	=	
REG	Cobalt	11.1	MG/KG	=	
REG	Copper	316	MG/KG	=	
REG	Iron	19600	MG/KG	=	
REG	Lead	34.2	MG/KG	=	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station: CPCsd-007(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 15892.00
 Easting: 146660.00
 Elevation:

CPCsd-007(p)-0656-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Magnesium	1640	MG/KG	=			
REG	Manganese	345	MG/KG	=			
REG	Mercury	0.11	MG/KG	=			
REG	Nickel	20.9	MG/KG	=			
REG	Potassium	683	MG/KG	B	J	F06	
REG	Selenium	2.2	MG/KG	=			
REG	Silver	1.7	MG/KG	B	J	F06	
REG	Sodium	458	MG/KG	B	J	F06	
REG	Thallium	2.3	MG/KG	=			
REG	Vanadium	15.1	MG/KG	=			
REG	Zinc	254	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	7.1	UG/KG	U	UJ	C08,G02	
REG	4,4'-DDE	7.1	UG/KG	U	UJ	G02	
REG	4,4'-DDT	7.1	UG/KG	U	UJ	G02	
REG	Aldrin	3.7	UG/KG	U	UJ	G02	
REG	Alpha Chlordane	3.7	UG/KG	U	UJ	G02	
REG	Alpha-BHC	3.7	UG/KG	U	UJ	G02	
REG	Aroclor-1016	94	UG/KG	U	UJ	G02	
REG	Aroclor-1221	94	UG/KG	U	UJ	G02	
REG	Aroclor-1232	94	UG/KG	U	UJ	G02	
REG	Aroclor-1242	94	UG/KG	U	UJ	G02	
REG	Aroclor-1248	94	UG/KG	U	UJ	G02	
REG	Aroclor-1254	190	UG/KG	U	UJ	G02	
REG	Aroclor-1260	190	UG/KG	U	UJ	G02	
REG	Beta-BHC	3.7	UG/KG	U	UJ	G02	
REG	Delta-BHC	3.7	UG/KG	U	UJ	G02	
REG	Dieldrin	7.1	UG/KG	U	UJ	G02	
REG	Endosulfan I	3.7	UG/KG	U	UJ	G02	
REG	Endosulfan II	7.1	UG/KG	U	UJ	G02	
REG	Endosulfan Sulfate	7.1	UG/KG	U	UJ	G02	
REG	Endrin	7.1	UG/KG	U	UJ	G02	
REG	Endrin Aldehyde	7.1	UG/KG	U	UJ	G02	
REG	Endrin Ketone	7.1	UG/KG	U	UJ	G02	
REG	Gamma Chlordane	3.7	UG/KG	U	UJ	G02	
REG	Gamma-BHC (Lindane)	3.7	UG/KG	U	UJ	G02	
REG	Heptachlor	3.7	UG/KG	U	UJ	G02	
REG	Heptachlor Epoxide	3.7	UG/KG	U	UJ	G02	
REG	Methoxychlor	37	UG/KG	U	UJ	G02	
REG	Toxaphene	240	UG/KG	U	UJ	G02	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	1900	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-007(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 15892.00
 Easting: 146660.00
 Elevation:

CPCsd-007(p)-0656-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2-Dichlorobenzene	1900	UG/KG	U	U		
REG	1,3-Dichlorobenzene	1900	UG/KG	U	U		
REG	1,4-Dichlorobenzene	1900	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	1900	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	4600	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	1900	UG/KG	U	U		
REG	2,4-Dichlorophenol	1900	UG/KG	U	U		
REG	2,4-Dimethylphenol	1900	UG/KG	U	U		
REG	2,4-Dinitrophenol	4600	UG/KG	U	U		
REG	2-Chloronaphthalene	1900	UG/KG	U	U		
REG	2-Chlorophenol	1900	UG/KG	U	U		
REG	2-Methylnaphthalene	1900	UG/KG	U	U		
REG	2-Methylphenol	1900	UG/KG	U	U		
REG	2-Nitroaniline	4600	UG/KG	U	U		
REG	2-Nitrophenol	1900	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	4600	UG/KG	U	U		
REG	3-Nitroaniline	4600	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	1900	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	1900	UG/KG	U	U		
REG	4-Chloroaniline	1900	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	1900	UG/KG	U	U		
REG	4-Methylphenol	1900	UG/KG	U	U		
REG	4-Nitroaniline	4600	UG/KG	U	U		
REG	4-Nitrophenol	4600	UG/KG	U	U		
REG	4-chloro-3-methylphenol	1900	UG/KG	U	U		
REG	Acenaphthene	1900	UG/KG	U	U		
REG	Acenaphthylene	1900	UG/KG	U	U		
REG	Anthracene	1900	UG/KG	U	U		
REG	Benzo(a)anthracene	210	UG/KG	J	J		
REG	Benzo(a)pyrene	260	UG/KG	J	J		
REG	Benzo(b)fluoranthene	560	UG/KG	J	J		
REG	Benzo(g,h,i)perylene	200	UG/KG	J	J		
REG	Benzo(k)fluoranthene	1900	UG/KG	U	U		
REG	Bis(2-chloroethoxy)methane	1900	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	1900	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	1900	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	1900	UG/KG	U	U		
REG	Carbazole	1900	UG/KG	U	U		
REG	Chrysene	270	UG/KG	J	J		
REG	Di-n-butyl Phthalate	1900	UG/KG	U	U		
REG	Di-n-octyl Phthalate	1900	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	1900	UG/KG	U	U		
REG	Dibenzofuran	1900	UG/KG	U	U		
REG	Diethyl Phthalate	1900	UG/KG	U	U		
REG	Dimethyl Phthalate	1900	UG/KG	U	U		
REG	Fluoranthene	380	UG/KG	J	J		
REG	Fluorene	1900	UG/KG	U	U		
REG	Hexachlorobenzene	1900	UG/KG	U	U		
REG	Hexachlorobutadiene	1900	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	1900	UG/KG	U	U		
REG	Hexachloroethane	1900	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	190	UG/KG	J	J		
REG	Isophorone	1900	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	1900	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	1900	UG/KG	U	U		
REG	Naphthalene	1900	UG/KG	U	U		
REG	Pentachlorophenol	4600	UG/KG	U	U		
REG	Phenanthrene	1900	UG/KG	U	U		
REG	Phenol	1900	UG/KG	U	U		
REG	Pyrene	270	UG/KG	J	J		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-007(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 15892.00
 Easting: 146660.00
 Elevation:

CPCsd-007(p)-0656-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	27700	MG/KG	=			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	14	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	14	UG/KG	U	U		
REG	1,1,2-Trichloroethane	14	UG/KG	U	U		
REG	1,1-Dichloroethane	14	UG/KG	U	U		
REG	1,1-Dichloroethene	14	UG/KG	U	U		
REG	1,2-Dichloroethane	14	UG/KG	U	U		
REG	1,2-Dichloropropane	14	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	14	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	14	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	14	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	14	UG/KG	U	U		
REG	2-Butanone	14	UG/KG	U	U		
REG	2-Hexanone	14	UG/KG	U	U		
REG	4-Methyl-2-pentanone	14	UG/KG	U	U		
REG	Acetone	330	UG/KG	J		C02,C05	
REG	Benzene	14	UG/KG	U	U		
REG	Bromodichloromethane	14	UG/KG	U	U		
REG	Bromoform	14	UG/KG	U	U		
REG	Bromomethane	14	UG/KG	U	UJ	C05	
REG	Carbon Disulfide	14	UG/KG	U	U		
REG	Carbon Tetrachloride	14	UG/KG	U	U		
REG	Chlorobenzene	14	UG/KG	U	U		
REG	Chloroethane	14	UG/KG	U	UJ	C02	
REG	Chloroform	14	UG/KG	U	U		
REG	Chloromethane	14	UG/KG	U	U		
REG	Dibromochloromethane	14	UG/KG	U	U		
REG	Ethylbenzene	14	UG/KG	U	U		
REG	Methylene Chloride	29	UG/KG	B	U	F01,F07	
REG	Styrene	14	UG/KG	U	U		
REG	Tetrachloroethene	14	UG/KG	U	U		
REG	Toluene	14	UG/KG	U	U		
REG	Trichloroethene	14	UG/KG	U	U		
REG	Vinyl Chloride	14	UG/KG	U	U		
REG	Xylenes, Total	14	UG/KG	U	U		
REG	o-Xylene	14	UG/KG	U	U		

CPCsd-007(p)-0657-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.28	MG/KG	UN*	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9930	MG/KG	=			
REG	Antimony	1.3	MG/KG	B	J	F06	
REG	Arsenic	10.5	MG/KG	=			
REG	Barium	82	MG/KG	=			
REG	Beryllium	0.74	MG/KG	=			
REG	Cadmium	1.2	MG/KG	B	J	F06	
REG	Calcium	2110	MG/KG	=			
REG	Chromium	147	MG/KG	=			
REG	Cobalt	10.9	MG/KG	=			
REG	Copper	143	MG/KG	=			
REG	Iron	19400	MG/KG	=			
REG	Lead	31.3	MG/KG	=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station: CPCsd-007(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 15892.00
 Easting: 146660.00
 Elevation:

CPCsd-007(p)-0657-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	75	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Magnesium	1960	MG/KG	=				
REG	Manganese	354	MG/KG	=				
REG	Mercury	0.09	MG/KG	=				
REG	Nickel	22.4	MG/KG	=				
REG	Potassium	842	MG/KG	B	J	F06		
REG	Selenium	2.2	MG/KG	=				
REG	Silver	1.1	MG/KG	B	J	F06		
REG	Sodium	482	MG/KG	B	J	F06		
REG	Thallium	2.4	MG/KG	=				
REG	Vanadium	16.3	MG/KG	=				
REG	Zinc	202	MG/KG	=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	380	UG/KG	=				
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	4,4'-DDD	6.9	UG/KG	U	UJ	C08,G02		
REG	4,4'-DDE	6.9	UG/KG	U	UJ	G02		
REG	4,4'-DDT	6.9	UG/KG	U	UJ	G02		
REG	Aldrin	3.6	UG/KG	U	UJ	G02		
REG	Alpha Chlordane	3.6	UG/KG	U	UJ	G02		
REG	Alpha-BHC	3.6	UG/KG	U	UJ	G02		
REG	Aroclor-1016	92	UG/KG	U	UJ	G02		
REG	Aroclor-1221	92	UG/KG	U	UJ	G02		
REG	Aroclor-1232	92	UG/KG	U	UJ	G02		
REG	Aroclor-1242	92	UG/KG	U	UJ	G02		
REG	Aroclor-1248	92	UG/KG	U	UJ	G02		
REG	Aroclor-1254	190	UG/KG	U	UJ	G02		
REG	Aroclor-1260	190	UG/KG	U	UJ	G02		
REG	Beta-BHC	3.6	UG/KG	U	UJ	G02		
REG	Delta-BHC	3.6	UG/KG	U	UJ	G02		
REG	Dieldrin	6.9	UG/KG	U	UJ	G02		
REG	Endosulfan I	3.6	UG/KG	U	UJ	G02		
REG	Endosulfan II	6.9	UG/KG	U	UJ	G02		
REG	Endosulfan Sulfate	6.9	UG/KG	U	UJ	G02		
REG	Endrin	6.9	UG/KG	U	UJ	G02		
REG	Endrin Aldehyde	6.9	UG/KG	U	UJ	G02		
REG	Endrin Ketone	6.9	UG/KG	U	UJ	G02		
REG	Gamma Chlordane	3.6	UG/KG	U	UJ	G02		
REG	Gamma-BHC (Lindane)	3.6	UG/KG	U	UJ	G02		
REG	Heptachlor	3.6	UG/KG	U	UJ	G02		
REG	Heptachlor Epoxide	3.6	UG/KG	U	UJ	G02		
REG	Methoxychlor	36	UG/KG	U	UJ	G02		
REG	Toxaphene	230	UG/KG	U	UJ	G02		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	1800	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-007(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 15892.00
 Easting: 146660.00
 Elevation:

CPCsd-007(p)-0657-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2-Dichlorobenzene	1800	UG/KG	U	U		
REG	1,3-Dichlorobenzene	1800	UG/KG	U	U		
REG	1,4-Dichlorobenzene	1800	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	1800	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	4400	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	1800	UG/KG	U	U		
REG	2,4-Dichlorophenol	1800	UG/KG	U	U		
REG	2,4-Dimethylphenol	1800	UG/KG	U	U		
REG	2,4-Dinitrophenol	4400	UG/KG	U	U		
REG	2-Chloronaphthalene	1800	UG/KG	U	U		
REG	2-Chlorophenol	1800	UG/KG	U	U		
REG	2-Methylnaphthalene	1800	UG/KG	U	U		
REG	2-Methylphenol	1800	UG/KG	U	U		
REG	2-Nitroaniline	4400	UG/KG	U	U		
REG	2-Nitrophenol	1800	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	4400	UG/KG	U	U		
REG	3-Nitroaniline	4400	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	1800	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	1800	UG/KG	U	U		
REG	4-Chloroaniline	1800	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	1800	UG/KG	U	U		
REG	4-Methylphenol	1800	UG/KG	U	U		
REG	4-Nitroaniline	4400	UG/KG	U	U		
REG	4-Nitrophenol	4400	UG/KG	U	U		
REG	4-chloro-3-methylphenol	1800	UG/KG	U	U		
REG	Acenaphthene	1800	UG/KG	U	U		
REG	Acenaphthylene	1800	UG/KG	U	U		
REG	Anthracene	1800	UG/KG	U	U		
REG	Benzo(a)anthracene	220	UG/KG	J	J		
REG	Benzo(a)pyrene	260	UG/KG	J	J		
REG	Benzo(b)fluoranthene	370	UG/KG	J	J		
REG	Benzo(g,h,i)perylene	230	UG/KG	J	J		
REG	Benzo(k)fluoranthene	320	UG/KG	J	J		
REG	Bis(2-chloroethoxy)methane	1800	UG/KG	U	U		
REG	Bis(2-chloroethyl)ether	1800	UG/KG	U	U		
REG	Bis(2-ethylhexyl)phthalate	1800	UG/KG	U	U		
REG	Butyl Benzyl Phthalate	1800	UG/KG	U	U		
REG	Carbazole	1800	UG/KG	U	U		
REG	Chrysene	290	UG/KG	J	J		
REG	Di-n-butyl Phthalate	1800	UG/KG	U	U		
REG	Di-n-octyl Phthalate	1800	UG/KG	U	U		
REG	Dibenzo(a,h)anthracene	1800	UG/KG	U	U		
REG	Dibenzofuran	1800	UG/KG	U	U		
REG	Diethyl Phthalate	1800	UG/KG	U	U		
REG	Dimethyl Phthalate	1800	UG/KG	U	U		
REG	Fluoranthene	430	UG/KG	J	J		
REG	Fluorene	1800	UG/KG	U	U		
REG	Hexachlorobenzene	1800	UG/KG	U	U		
REG	Hexachlorobutadiene	1800	UG/KG	U	U		
REG	Hexachlorocyclopentadiene	1800	UG/KG	U	U		
REG	Hexachloroethane	1800	UG/KG	U	U		
REG	Indeno(1,2,3-cd)pyrene	220	UG/KG	J	J		
REG	Isophorone	1800	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	1800	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	1800	UG/KG	U	U		
REG	Naphthalene	1800	UG/KG	U	U		
REG	Pentachlorophenol	4400	UG/KG	U	U		
REG	Phenanthrene	1800	UG/KG	U	U		
REG	Phenol	1800	UG/KG	U	U		
REG	Pyrene	290	UG/KG	J	J		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-007(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 15892.00
 Easting: 146660.00
 Elevation:

CPCsd-007(p)-0657-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	27600	MG/KG	=			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	14	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	14	UG/KG	U	U		
REG	1,1,2-Trichloroethane	14	UG/KG	U	U		
REG	1,1-Dichloroethane	14	UG/KG	U	U		
REG	1,1-Dichloroethene	14	UG/KG	U	U		
REG	1,2-Dichloroethane	14	UG/KG	U	U		
REG	1,2-Dichloropropane	14	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	14	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	14	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	14	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	14	UG/KG	U	U		
REG	2-Butanone	14	UG/KG	U	U		
REG	2-Hexanone	14	UG/KG	U	U		
REG	4-Methyl-2-pentanone	14	UG/KG	U	U		
REG	Acetone	280	UG/KG	J		C02,C05	
REG	Benzene	14	UG/KG	U	U		
REG	Bromodichloromethane	14	UG/KG	U	U		
REG	Bromoform	14	UG/KG	U	U		
REG	Bromomethane	14	UG/KG	U	UJ	C05	
REG	Carbon Disulfide	14	UG/KG	U	U		
REG	Carbon Tetrachloride	14	UG/KG	U	U		
REG	Chlorobenzene	14	UG/KG	U	U		
REG	Chloroethane	14	UG/KG	U	UJ	C02	
REG	Chloroform	14	UG/KG	U	U		
REG	Chloromethane	14	UG/KG	U	U		
REG	Dibromochloromethane	14	UG/KG	U	U		
REG	Ethylbenzene	14	UG/KG	U	U		
REG	Methylene Chloride	35	UG/KG	B	=	F08	
REG	Styrene	14	UG/KG	U	U		
REG	Tetrachloroethene	14	UG/KG	U	U		
REG	Toluene	14	UG/KG	U	U		
REG	Trichloroethene	14	UG/KG	U	U		
REG	Vinyl Chloride	14	UG/KG	U	U		
REG	Xylenes, Total	14	UG/KG	U	U		
REG	o-Xylene	14	UG/KG	U	U		

Location: Upper and Lower Cobbs Pond
 Station : CPCsd-008(p) Lower Cobbs Pond - along drainage axis of pond

Northing: 16081.00
 Easting: 146408.00
 Elevation:

CPCsd-008(p)-0659-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9610	MG/KG	=			
REG	Arsenic	8.5	MG/KG	*	=		
REG	Barium	77.3	MG/KG	*	=		
REG	Cadmium	1.4	MG/KG	=			
REG	Chromium	63.2	MG/KG	*	=		
REG	Lead	33.3	MG/KG	*	=		
REG	Manganese	517	MG/KG	*	=		
REG	Mercury	0.09	MG/KG	U	U		
REG	Selenium	2.4	MG/KG	=			
REG	Silver	1.4	MG/KG	B	J	F06	
REG	Zinc	182	MG/KG	*	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	D08,C05
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	25000	MG/KG	=		

Location: Upper and Lower Cobbs Pond
 Station: CPCsd-009(p) Pond Complex Outfall - at pond outfall & downstrea

Northing: 16109.00
 Easting: 146343.00
 Elevation:

CPCsd-009(p)-0660-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements	Air Temperature	75	DEG F
	Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	4470	MG/KG	=		F01
REG	Arsenic	8.2	MG/KG	*	=	
REG	Barium	40.8	MG/KG	*	=	
REG	Cadmium	0.2	MG/KG	B	U	
REG	Chromium	8.3	MG/KG	*	=	
REG	Lead	10.1	MG/KG	*	=	
REG	Manganese	425	MG/KG	*	=	
REG	Mercury	0.05	MG/KG	U	U	
REG	Selenium	1.2	MG/KG		=	
REG	Silver	0.27	MG/KG	U	U	
REG	Zinc	46.2	MG/KG	*	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	D08,C05
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	9230	MG/KG	=		

Location: Upper and Lower Cobbs Pond
 Station: CPCsd-010(p) Pond Complex Outfall - at pond outfall & downstrea

Northing: 16128.00
 Easting: 146167.00
 Elevation:

CPCsd-010(p)-0661-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements	Air Temperature	80	DEG F
	Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	4310	MG/KG	=		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station: CPCsd-010(p) Pond Complex Outfall - at pond outfall & downstrea

Northing: 16128.00
 Easting: 146167.00
 Elevation:

CPCsd-010(p)-0661-SD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Pond/Stream Sediment Collected: 08/19/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Arsenic	9.4	MG/KG	*	=			
REG	Barium	41.4	MG/KG	*	=			
REG	Cadmium	0.13	MG/KG	B	U	F01		
REG	Chromium	16.2	MG/KG	*	=			
REG	Lead	8.8	MG/KG	*	=			
REG	Manganese	816	MG/KG	*	=			
REG	Mercury	0.05	MG/KG	U	U			
REG	Selenium	1.3	MG/KG		=			
REG	Silver	0.27	MG/KG	U	U			
REG	Zinc	49.5	MG/KG	*	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	UJ	D08,C05		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	8980	MG/KG		=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGsd-078 2 samples from north ditch & 2 samples from south

Northing: 16097.00
 Easting: 137156.00
 Elevation:

WBGsd-078-0543-SD 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	80	DEG	F		
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	16100	MG/KG	*	=		
REG	Arsenic	11.7	MG/KG	N	=		
REG	Barium	173	MG/KG		=		
REG	Cadmium	0.05	MG/KG	U	U		
REG	Chromium	14	MG/KG		=		
REG	Lead	16.9	MG/KG		=		
REG	Manganese	1050	MG/KG	*	=		
REG	Mercury	0.04	MG/KG	U	U		
REG	Selenium	0.37	MG/KG	U	U		
REG	Silver	0.23	MG/KG	U	U		
REG	Zinc	64.8	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	360	UG/KG	P	J	M08	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	12300	MG/KG		=		

Location: Winklepeck Burning Ground
 Station: WBGsd-079 2 samples from north ditch & 2 samples from south

Northing: 16175.00
 Easting: 137365.00
 Elevation:

WBGsd-079-0544-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	70	DEG	F		
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	7930	MG/KG	*	=		
REG	Arsenic	18.1	MG/KG	N	=		
REG	Barium	78.3	MG/KG		=		
REG	Cadmium	0.05	MG/KG	U	U		
REG	Chromium	10.6	MG/KG		=		
REG	Lead	25.4	MG/KG		=		
REG	Manganese	328	MG/KG	*	=		
REG	Mercury	0.04	MG/KG	U	U		
REG	Selenium	0.36	MG/KG	U	U		
REG	Silver	0.23	MG/KG	U	U		
REG	Zinc	79.7	MG/KG		=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	970	UG/KG		=		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		

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Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGsd-079 2 samples from north ditch & 2 samples from south

Northing: 16175.00
 Easting: 137365.00
 Elevation:

WBGsd-079-0544-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Organic Carbon	15700	MG/KG	=			

Location: Winklepeck Burning Ground
 Station : WBGsd-080 2 samples from north ditch & 2 samples from south

Northing: 16105.00
 Easting: 137555.00
 Elevation:

WBGsd-080-0545-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	0.1	MG/KG	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	9900	MG/KG	=			
REG	Antimony	0.3	MG/KG	U	U		
REG	Arsenic	15.5	MG/KG	=			
REG	Barium	66.9	MG/KG	=			
REG	Beryllium	0.6	MG/KG	=			
REG	Cadmium	0.04	MG/KG	U	U		
REG	Calcium	1720	MG/KG	=			
REG	Chromium	13.3	MG/KG	=			
REG	Cobalt	10.4	MG/KG	=			
REG	Copper	18.8	MG/KG	=			
REG	Iron	24000	MG/KG	=			
REG	Lead	11.1	MG/KG	=			
REG	Magnesium	3280	MG/KG	=			
REG	Manganese	362	MG/KG	=			
REG	Mercury	0.03	MG/KG	U	U		
REG	Nickel	28.3	MG/KG	=			
REG	Potassium	1030	MG/KG	=			
REG	Selenium	0.3	MG/KG	U	U		
REG	Silver	0.19	MG/KG	U	U		
REG	Sodium	74	MG/KG	B	J	F06	
REG	Thallium	1.8	MG/KG	=			
REG	Vanadium	15.9	MG/KG	=			
REG	Zinc	57	MG/KG	=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U		
REG	1,3-Dinitrobenzene	250	UG/KG	U	U		
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U		
REG	2,6-Dinitrotoluene	260	UG/KG	U	U		
REG	2-Nitrotoluene	250	UG/KG	U	U		
REG	3-Nitrotoluene	250	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGsd-080 2 samples from north ditch & 2 samples from south

Northing: 16105.00
 Easting: 137555.00
 Elevation:

WBGsd-080-0545-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F			
		Head Space	0.0	PPM			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4-Nitrotoluene	250	UG/KG	U	U		
REG	HMX	2000	UG/KG	U	U		
REG	Nitrobenzene	260	UG/KG	U	U		
REG	RDX	1000	UG/KG	U	U		
REG	Tetryl	650	UG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	2.5	UG/KG	U	U		
REG	4,4'-DDE	2.5	UG/KG	U	U		
REG	4,4'-DDT	2.5	UG/KG	U	UJ		C08
REG	Aldrin	1.3	UG/KG	U	U		
REG	Alpha Chlordane	1.3	UG/KG	U	UJ		C08
REG	Alpha-BHC	1.3	UG/KG	U	U		
REG	Aroclor-1016	33	UG/KG	U	U		
REG	Aroclor-1221	33	UG/KG	U	U		
REG	Aroclor-1232	33	UG/KG	U	U		
REG	Aroclor-1242	33	UG/KG	U	U		
REG	Aroclor-1248	33	UG/KG	U	U		
REG	Aroclor-1254	67	UG/KG	U	U		
REG	Aroclor-1260	67	UG/KG	U	U		
REG	Beta-BHC	1.3	UG/KG	U	U		
REG	Delta-BHC	1.3	UG/KG	U	U		
REG	Dieldrin	2.5	UG/KG	U	U		
REG	Endosulfan I	1.3	UG/KG	U	UJ		C08
REG	Endosulfan II	2.5	UG/KG	U	UJ		C08
REG	Endosulfan Sulfate	2.5	UG/KG	U	U		
REG	Endrin	2.5	UG/KG	U	UJ		C08
REG	Endrin Aldehyde	2.5	UG/KG	U	UJ		C08
REG	Endrin Ketone	2.5	UG/KG	U	UJ		C08
REG	Gamma Chlordane	1.3	UG/KG	U	UJ		C08
REG	Gamma-BHC (Lindane)	1.3	UG/KG	U	U		
REG	Heptachlor	1.3	UG/KG	U	UJ		C08
REG	Heptachlor Epoxide	1.3	UG/KG	U	U		
REG	Methoxychlor	13	UG/KG	U	UJ		C08
REG	Toxaphene	83	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	330	UG/KG	U	U		
REG	1,2-Dichlorobenzene	330	UG/KG	U	U		
REG	1,3-Dichlorobenzene	330	UG/KG	U	U		
REG	1,4-Dichlorobenzene	330	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	330	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	800	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	330	UG/KG	U	U		
REG	2,4-Dichlorophenol	330	UG/KG	U	U		
REG	2,4-Dimethylphenol	330	UG/KG	U	U		
REG	2,4-Dinitrophenol	800	UG/KG	U	UJ		C05
REG	2-Chloronaphthalene	330	UG/KG	U	U		
REG	2-Chlorophenol	330	UG/KG	U	U		
REG	2-Methylnaphthalene	330	UG/KG	U	U		
REG	2-Methylphenol	330	UG/KG	U	U		
REG	2-Nitroaniline	800	UG/KG	U	U		
REG	2-Nitrophenol	330	UG/KG	U	U		
REG	3,3'-Dichlorobenzidine	800	UG/KG	U	U		
REG	3-Nitroaniline	800	UG/KG	U	U		
REG	4,6-Dinitro-o-Cresol	330	UG/KG	U	U		
REG	4-Bromophenyl-phenyl Ether	330	UG/KG	U	U		
REG	4-Chloroaniline	330	UG/KG	U	U		
REG	4-Chlorophenyl-phenylether	330	UG/KG	U	U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGsd-080 2 samples from north ditch & 2 samples from south

Northing: 16105.00
 Easting: 137555.00
 Elevation:

WBGsd-080-0545-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	4-Methylphenol	330	UG/KG	U	U			
REG	4-Nitroaniline	800	UG/KG	U	U			
REG	4-Nitrophenol	800	UG/KG	U	U			
REG	4-chloro-3-methylphenol	330	UG/KG	U	U			
REG	Acenaphthene	330	UG/KG	U	U			
REG	Acenaphthylene	330	UG/KG	U	U			
REG	Anthracene	330	UG/KG	U	U			
REG	Benzo(a)anthracene	330	UG/KG	U	U			
REG	Benzo(a)pyrene	330	UG/KG	U	U			
REG	Benzo(b)fluoranthene	330	UG/KG	U	U			
REG	Benzo(g,h,i)perylene	330	UG/KG	U	U			
REG	Benzo(k)fluoranthene	330	UG/KG	U	U			
REG	Bis(2-chloroethoxy)methane	330	UG/KG	U	U			
REG	Bis(2-chloroethyl)ether	330	UG/KG	U	U			
REG	Bis(2-ethylhexyl)phthalate	330	UG/KG	U	U			
REG	Butyl Benzyl Phthalate	330	UG/KG	U	U			
REG	Carbazole	330	UG/KG	U	U			
REG	Chrysene	330	UG/KG	U	U			
REG	Di-n-butyl Phthalate	330	UG/KG	U	U			
REG	Di-n-octyl Phthalate	330	UG/KG	U	U			
REG	Dibenzo(a,h)anthracene	330	UG/KG	U	U			
REG	Dibenzofuran	330	UG/KG	U	U			
REG	Diethyl Phthalate	330	UG/KG	U	U			
REG	Dimethyl Phthalate	330	UG/KG	U	U			
REG	Fluoranthene	330	UG/KG	U	U			
REG	Fluorene	330	UG/KG	U	U			
REG	Hexachlorobenzene	330	UG/KG	U	U			
REG	Hexachlorobutadiene	330	UG/KG	U	U			
REG	Hexachlorocyclopentadiene	330	UG/KG	U	UJ	C05		
REG	Hexachloroethane	330	UG/KG	U	U			
REG	Indeno(1,2,3-cd)pyrene	330	UG/KG	U	U			
REG	Isophorone	330	UG/KG	U	U			
REG	N-Nitroso-di-n-propylamine	330	UG/KG	U	U			
REG	N-Nitrosodiphenylamine	330	UG/KG	U	U			
REG	Naphthalene	330	UG/KG	U	U			
REG	Pentachlorophenol	800	UG/KG	U	U			
REG	Phenanthrene	330	UG/KG	U	U			
REG	Phenol	330	UG/KG	U	U			
REG	Pyrene	330	UG/KG	U	U			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,1,1-Trichloroethane	5	UG/KG	U	U			
REG	1,1,2,2-Tetrachloroethane	5	UG/KG	U	UJ	K01		
REG	1,1,2-Trichloroethane	5	UG/KG	U	U			
REG	1,1-Dichloroethane	5	UG/KG	U	U			
REG	1,1-Dichloroethene	5	UG/KG	U	U			
REG	1,2-Dichloroethane	5	UG/KG	U	U			
REG	1,2-Dichloropropane	5	UG/KG	U	U			
REG	1,2-cis-Dichloroethene	5	UG/KG	U	U			
REG	1,2-trans-Dichloroethene	5	UG/KG	U	U			
REG	1,3-cis-Dichloropropene	5	UG/KG	U	U			
REG	1,3-trans-Dichloropropene	5	UG/KG	U	U			
REG	2-Butanone	5	UG/KG	U	UJ	C05		
REG	2-Hexanone	5	UG/KG	U	UJ	C05,K01		
REG	4-Methyl-2-pentanone	5	UG/KG	U	UJ	K01		
REG	Acetone	5	UG/KG	U	R	C04,C05		
REG	Benzene	5	UG/KG	U	U			
REG	Bromodichloromethane	5	UG/KG	U	U			
REG	Bromoform	5	UG/KG	U	U			
REG	Bromomethane	5	UG/KG	U	U			
REG	Carbon Disulfide	5	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGsd-080 2 samples from north ditch & 2 samples from south

Northing: 16105.00
 Easting: 137555.00
 Elevation:

WBGsd-080-0545-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Carbon Tetrachloride	5	UG/KG	U	U			
REG	Chlorobenzene	5	UG/KG	U	UJ	K01		
REG	Chloroethane	5	UG/KG	U	UJ	C02		
REG	Chloroform	5	UG/KG	U	U			
REG	Chloromethane	5	UG/KG	U	U			
REG	Dibromochloromethane	5	UG/KG	U	U			
REG	Ethylbenzene	5	UG/KG	U	UJ	K01		
REG	Methylene Chloride	6	UG/KG	B	U	F01,F07		
REG	Styrene	5	UG/KG	U	UJ	K01		
REG	Tetrachloroethene	5	UG/KG	U	UJ	K01		
REG	Toluene	25	UG/KG		J	K01		
REG	Trichloroethene	5	UG/KG	U	U			
REG	Vinyl Chloride	5	UG/KG	U	U			
REG	Xylenes, Total	5	UG/KG	U	UJ	K01		
REG	o-Xylene	5	UG/KG	U	UJ	K01		

Location: Winklepeck Burning Ground
 Station : WBGsd-081 2 samples from north ditch & 2 samples from south

Northing: 16179.00
 Easting: 137735.00
 Elevation:

WBGsd-081-0546-SD 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	12500	MG/KG	*	=			
REG	Arsenic	15.1	MG/KG	N	=			
REG	Barium	118	MG/KG		=			
REG	Cadmium	0.18	MG/KG	B	J	F06		
REG	Chromium	16.9	MG/KG		=			
REG	Lead	27.3	MG/KG		=			
REG	Manganese	897	MG/KG	*	=			
REG	Mercury	0.04	MG/KG	U	U			
REG	Selenium	0.59	MG/KG	B	U			
REG	Silver	0.23	MG/KG	U	U			
REG	Zinc	64.8	MG/KG		=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	420	UG/KG	P	J	M08		
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	8160	MG/KG		=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGsd-082 3 samples from north ditch & 2 samples from south

Northing: 16628.00
 Easting: 137555.00
 Elevation:

WBGsd-082-0547-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	10600	MG/KG	*	=			
REG	Arsenic	13.1	MG/KG	N	=			
REG	Barium	528	MG/KG		=			
REG	Cadmium	0.16	MG/KG	B	J	F06		
REG	Chromium	14.2	MG/KG		=			
REG	Lead	11.3	MG/KG		=			
REG	Manganese	728	MG/KG	*	=			
REG	Mercury	0.04	MG/KG	U	U			
REG	Selenium	0.49	MG/KG	B	J	F06		
REG	Silver	0.22	MG/KG	U	U			
REG	Zinc	51.9	MG/KG		=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Organic Carbon	2420	MG/KG		=			

Location: Winklepeck Burning Ground
 Station : WBGsd-083 3 samples from north ditch & 2 samples from south

Northing: 16631.00
 Easting: 137901.00
 Elevation:

WBGsd-083-0548-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Cyanide	0.11	MG/KG	B	J	F06		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Aluminum	7460	MG/KG		=			
REG	Antimony	0.32	MG/KG	B	J	F06		
REG	Arsenic	12.1	MG/KG		=			
REG	Barium	85.2	MG/KG		=			
REG	Beryllium	0.45	MG/KG		=			
REG	Cadmium	0.04	MG/KG	U	U			
REG	Calcium	1080	MG/KG		=			
REG	Chromium	9.9	MG/KG		=			
REG	Cobalt	8.6	MG/KG		=			
REG	Copper	18.6	MG/KG		=			
REG	Iron	18200	MG/KG		=			
REG	Lead	10.2	MG/KG		=			
REG	Magnesium	2050	MG/KG		=			
REG	Manganese	318	MG/KG		=			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGsd-083 3 samples from north ditch & 2 samples from south

Northing: 16631.00
 Easting: 137901.00
 Elevation:

WBGsd-083-0548-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Mercury	0.03	MG/KG	U	U			
REG	Nickel	15.9	MG/KG	=				
REG	Potassium	665	MG/KG	=				
REG	Selenium	0.37	MG/KG	B	J	F06		
REG	Silver	0.19	MG/KG	U	U			
REG	Sodium	52.3	MG/KG	B	J	F06		
REG	Thallium	1.5	MG/KG	=				
REG	Vanadium	13	MG/KG	=				
REG	Zinc	51.9	MG/KG	=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U			
REG	1,3-Dinitrobenzene	250	UG/KG	U	U			
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U			
REG	2,4-Dinitrotoluene	250	UG/KG	U	U			
REG	2,6-Dinitrotoluene	260	UG/KG	U	U			
REG	2-Nitrotoluene	250	UG/KG	U	U			
REG	3-Nitrotoluene	250	UG/KG	U	U			
REG	4-Nitrotoluene	250	UG/KG	U	U			
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	4,4'-DDD	2.5	UG/KG	U	U			
REG	4,4'-DDE	2.5	UG/KG	U	U			
REG	4,4'-DDT	2.5	UG/KG	U	UJ	C08		
REG	Aldrin	1.3	UG/KG	U	U			
REG	Alpha Chlordane	1.3	UG/KG	U	UJ	C08		
REG	Alpha-BHC	1.3	UG/KG	U	U			
REG	Aroclor-1016	33	UG/KG	U	U			
REG	Aroclor-1221	33	UG/KG	U	U			
REG	Aroclor-1232	33	UG/KG	U	U			
REG	Aroclor-1242	33	UG/KG	U	U			
REG	Aroclor-1248	33	UG/KG	U	U			
REG	Aroclor-1254	68	UG/KG	U	U			
REG	Aroclor-1260	68	UG/KG	U	U			
REG	Beta-BHC	1.3	UG/KG	U	U			
REG	Delta-BHC	1.3	UG/KG	U	U			
REG	Dieldrin	2.5	UG/KG	U	U			
REG	Endosulfan I	1.3	UG/KG	U	UJ	C08		
REG	Endosulfan II	2.5	UG/KG	U	UJ	C08		
REG	Endosulfan Sulfate	2.5	UG/KG	U	U			
REG	Endrin	2.5	UG/KG	U	UJ	C08		
REG	Endrin Aldehyde	2.5	UG/KG	U	UJ	C08		
REG	Endrin Ketone	2.5	UG/KG	U	UJ	C08		
REG	Gamma Chlordane	1.3	UG/KG	U	UJ	C08		
REG	Gamma-BHC (Lindane)	1.3	UG/KG	U	U			
REG	Heptachlor	1.3	UG/KG	U	UJ	C08		
REG	Heptachlor Epoxide	1.3	UG/KG	U	U			
REG	Methoxychlor	13	UG/KG	U	UJ	C08		
REG	Toxaphene	84	UG/KG	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	330	UG/KG	U	U			
REG	1,2-Dichlorobenzene	330	UG/KG	U	U			

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGsd-083 3 samples from north ditch & 2 samples from south

Northing: 16631.00
 Easting: 137901.00
 Elevation:

WBGsd-083-0548-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F				
		Head Space	0.0	PPM				
		Organic Vapor	0.0	PPM				
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3-Dichlorobenzene	330	UG/KG	U	U			
REG	1,4-Dichlorobenzene	330	UG/KG	U	U			
REG	2,2'-oxybis (1-chloropropane)	330	UG/KG	U	U			
REG	2,4,5-Trichlorophenol	810	UG/KG	U	U			
REG	2,4,6-Trichlorophenol	330	UG/KG	U	U			
REG	2,4-Dichlorophenol	330	UG/KG	U	U			
REG	2,4-Dimethylphenol	330	UG/KG	U	U			
REG	2,4-Dinitrophenol	810	UG/KG	U	UJ	C05		
REG	2-Chloronaphthalene	330	UG/KG	U	U			
REG	2-Chlorophenol	330	UG/KG	U	U			
REG	2-Methylnaphthalene	330	UG/KG	U	U			
REG	2-Methylphenol	330	UG/KG	U	U			
REG	2-Nitroaniline	810	UG/KG	U	U			
REG	2-Nitrophenol	330	UG/KG	U	U			
REG	3,3'-Dichlorobenzidine	810	UG/KG	U	U			
REG	3-Nitroaniline	810	UG/KG	U	U			
REG	4,6-Dinitro-o-Cresol	330	UG/KG	U	U			
REG	4-Bromophenyl-phenyl Ether	330	UG/KG	U	U			
REG	4-Chloroaniline	330	UG/KG	U	U			
REG	4-Chlorophenyl-phenylether	330	UG/KG	U	U			
REG	4-Methylphenol	330	UG/KG	U	U			
REG	4-Nitroaniline	810	UG/KG	U	U			
REG	4-Nitrophenol	810	UG/KG	U	U			
REG	4-chloro-3-methylphenol	330	UG/KG	U	U			
REG	Acenaphthene	330	UG/KG	U	U			
REG	Acenaphthylene	330	UG/KG	U	U			
REG	Anthracene	330	UG/KG	U	U			
REG	Benzo(a)anthracene	330	UG/KG	U	U			
REG	Benzo(a)pyrene	330	UG/KG	U	U			
REG	Benzo(b)fluoranthene	330	UG/KG	U	U			
REG	Benzo(g,h,i)perylene	330	UG/KG	U	U			
REG	Benzo(k)fluoranthene	330	UG/KG	U	U			
REG	Bis(2-chloroethoxy)methane	330	UG/KG	U	U			
REG	Bis(2-chloroethyl)ether	330	UG/KG	U	U			
REG	Bis(2-ethylhexyl)phthalate	330	UG/KG	U	U			
REG	Butyl Benzyl Phthalate	330	UG/KG	U	U			
REG	Carbazole	330	UG/KG	U	U			
REG	Chrysene	330	UG/KG	U	U			
REG	Di-n-butyl Phthalate	330	UG/KG	U	U			
REG	Di-n-octyl Phthalate	330	UG/KG	U	U			
REG	Dibenzo(a,h)anthracene	330	UG/KG	U	U			
REG	Dibenzofuran	330	UG/KG	U	U			
REG	Diethyl Phthalate	330	UG/KG	U	U			
REG	Dimethyl Phthalate	330	UG/KG	U	U			
REG	Fluoranthene	330	UG/KG	U	U			
REG	Fluorene	330	UG/KG	U	U			
REG	Hexachlorobenzene	330	UG/KG	U	U			
REG	Hexachlorobutadiene	330	UG/KG	U	U			
REG	Hexachlorocyclopentadiene	330	UG/KG	U	UJ	C05		
REG	Hexachloroethane	330	UG/KG	U	U			
REG	Indeno(1,2,3-cd)pyrene	330	UG/KG	U	U			
REG	Isophorone	330	UG/KG	U	U			
REG	N-Nitroso-di-n-propylamine	330	UG/KG	U	U			
REG	N-Nitrosodiphenylamine	330	UG/KG	U	U			
REG	Naphthalene	330	UG/KG	U	U			
REG	Pentachlorophenol	810	UG/KG	U	U			
REG	Phenanthrene	330	UG/KG	U	U			
REG	Phenol	330	UG/KG	U	U			
REG	Pyrene	330	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGsd-083 3 samples from north ditch & 2 samples from south

Northing: 16631.00
 Easting: 137901.00
 Elevation:

WBGsd-083-0548-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Organic Carbon	2270	MG/KG	=		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab Data	Validation Code	
REG	1,1,1-Trichloroethane		5 UG/KG	U U		
REG	1,1,2,2-Tetrachloroethane		5 UG/KG	U U		
REG	1,1,2-Trichloroethane		5 UG/KG	U U		
REG	1,1-Dichloroethane		5 UG/KG	U U		
REG	1,1-Dichloroethene		5 UG/KG	U U		
REG	1,2-Dichloroethane		5 UG/KG	U U		
REG	1,2-Dichloropropane		5 UG/KG	U U		
REG	1,2-cis-Dichloroethene		5 UG/KG	U U		
REG	1,2-trans-Dichloroethene		5 UG/KG	U U		
REG	1,3-cis-Dichloropropene		5 UG/KG	U U		
REG	1,3-trans-Dichloropropene		5 UG/KG	U U		
REG	2-Butanone		5 UG/KG	U U		
REG	2-Hexanone		5 UG/KG	U U		
REG	4-Methyl-2-pentanone		5 UG/KG	U U		
REG	Acetone		5 UG/KG	U UJ		C05
REG	Benzene		5 UG/KG	U U		
REG	Bromodichloromethane		5 UG/KG	U U		
REG	Bromoform		5 UG/KG	U U		
REG	Bromomethane		5 UG/KG	U U		
REG	Carbon Disulfide		5 UG/KG	U U		
REG	Carbon Tetrachloride		5 UG/KG	U U		
REG	Chlorobenzene		5 UG/KG	U U		
REG	Chloroethane		5 UG/KG	U UJ		C02
REG	Chloroform		2 UG/KG	J J		
REG	Chloromethane		5 UG/KG	U U		
REG	Dibromochloromethane		5 UG/KG	U U		
REG	Ethylbenzene		5 UG/KG	U U		
REG	Methylene Chloride		5 UG/KG	JB U		F01,F06
REG	Styrene		5 UG/KG	U U		
REG	Tetrachloroethene		5 UG/KG	U U		
REG	Toluene		5 UG/KG	U U		
REG	Trichloroethene		5 UG/KG	U U		
REG	Vinyl Chloride		5 UG/KG	U U		
REG	Xylenes, Total		5 UG/KG	U U		
REG	o-Xylene		5 UG/KG	U U		

Location: Winklepeck Burning Ground
 Station: WBGsd-084 3 samples from north ditch & 2 samples from south

Northing: 16669.00
 Easting: 137901.00
 Elevation:

WBGsd-084-0549-SD 0.0 - 1.8 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code	
REG	Aluminum	9960	MG/KG	* =		
REG	Arsenic	14	MG/KG	N =		
REG	Barium	39.5	MG/KG	=		
REG	Cadmium	0.05	MG/KG	U U		
REG	Chromium	12.1	MG/KG	=		
REG	Lead	13.3	MG/KG	=		
REG	Manganese	242	MG/KG	* =		
REG	Mercury	0.04	MG/KG	U U		
REG	Selenium	0.38	MG/KG	B J		F06
REG	Silver	0.22	MG/KG	U U		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGsd-084 3 samples from north ditch & 2 samples from south

Northing: 16569.00
 Easting: 137901.00
 Elevation:

WBGsd-084-0549-SD 0.0 - 1.8 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F
		Head Space	0.0	PPM
		Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Zinc	38.3	MG/KG	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U U	
REG	1,3-Dinitrobenzene	250	UG/KG	U U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U U	
REG	2,4-Dinitrotoluene	250	UG/KG	U U	
REG	2,6-Dinitrotoluene	260	UG/KG	U U	
REG	2-Nitrotoluene	250	UG/KG	U U	
REG	3-Nitrotoluene	250	UG/KG	U U	
REG	4-Nitrotoluene	250	UG/KG	U U	
REG	HMX	2000	UG/KG	U U	
REG	Nitrobenzene	260	UG/KG	U U	
REG	RDX	1000	UG/KG	U U	
REG	Tetryl	650	UG/KG	U U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab Data	Validation Code
REG	Organic Carbon	5950	MG/KG	=	

WBGsd-084-0550-FD 0.0 - 1.8 FT Field Sample Type: Field Duplicate Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F
		Head Space	0.0	PPM
		Organic Vapor	0.0	PPM

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Aluminum	9280	MG/KG	* =	
REG	Arsenic	12.5	MG/KG	N =	
REG	Barium	41.1	MG/KG	=	
REG	Cadmium	0.05	MG/KG	U U	
REG	Chromium	10.1	MG/KG	=	
REG	Lead	12.2	MG/KG	=	
REG	Manganese	232	MG/KG	* =	
REG	Mercury	0.04	MG/KG	=	
REG	Selenium	0.35	MG/KG	U U	
REG	Silver	0.22	MG/KG	U U	
REG	Zinc	40.8	MG/KG	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U U	
REG	1,3-Dinitrobenzene	250	UG/KG	U U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U U	
REG	2,4-Dinitrotoluene	250	UG/KG	U U	
REG	2,6-Dinitrotoluene	260	UG/KG	U U	
REG	2-Nitrotoluene	250	UG/KG	U U	
REG	3-Nitrotoluene	250	UG/KG	U U	
REG	4-Nitrotoluene	250	UG/KG	U U	
REG	HMX	2000	UG/KG	U U	
REG	Nitrobenzene	260	UG/KG	U U	
REG	RDX	1000	UG/KG	U U	
REG	Tetryl	650	UG/KG	U U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGsd-085 3 samples from north ditch & 2 samples from south

Northing: 16636.00
 Easting: 138247.00
 Elevation:

WBGsd-085-0551-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14100	MG/KG	*	=	
REG	Arsenic	15.6	MG/KG	N	=	
REG	Barium	78.9	MG/KG		=	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Chromium	16.1	MG/KG		=	
REG	Lead	12.6	MG/KG		=	
REG	Manganese	225	MG/KG	*	=	
REG	Mercury	0.04	MG/KG	U	U	
REG	Selenium	0.34	MG/KG	U	U	
REG	Silver	0.21	MG/KG	U	U	
REG	Zinc	58.7	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	16200	MG/KG		=	

Location: Winklepeck Burning Ground
 Station : WBGsd-086 3 samples from north ditch & 2 samples from south

Northing: 16574.00
 Easting: 138247.00
 Elevation:

WBGsd-086-0552-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12100	MG/KG	*	=	
REG	Arsenic	13.2	MG/KG	N	=	
REG	Barium	236	MG/KG		=	
REG	Cadmium	0.17	MG/KG	B	J	F06
REG	Chromium	14.5	MG/KG		=	
REG	Lead	21.8	MG/KG		=	
REG	Manganese	183	MG/KG	*	=	
REG	Mercury	0.04	MG/KG		=	
REG	Selenium	1.7	MG/KG		=	
REG	Silver	0.22	MG/KG	U	U	
REG	Zinc	46.9	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGsd-086 3 samples from north ditch & 2 samples from south

Northing: 16574.00
 Easting: 138247.00
 Elevation:

WBGsd-086-0552-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	7380	MG/KG	=		

Location: Winklepeck Burning Ground
 Station : WBGsd-087 North drainage in center of buring ground

Northing: 16381.00
 Easting: 136331.00
 Elevation:

WBGsd-087-0553-SD 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10600	MG/KG	*	=	
REG	Arsenic	12.6	MG/KG	N	=	
REG	Barium	54.5	MG/KG		=	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Chromium	14.2	MG/KG		=	
REG	Lead	15.2	MG/KG		=	
REG	Manganese	338	MG/KG	*	=	
REG	Mercury	0.05	MG/KG	U	U	
REG	Selenium	0.44	MG/KG	B	J	F06
REG	Silver	0.26	MG/KG	U	U	
REG	Zinc	52.3	MG/KG		=	
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Organic Carbon	2240	MG/KG	=		

Location: Winklepeck Burning Ground
 Station : WBGsd-088 North drainage in east of buring ground

Northing: 16400.00
 Easting: 138983.00
 Elevation:

WBGsd-088-0554-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F		
		Head Space	0.0	PPM		
		Organic Vapor	0.0	PPM		

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	15100	MG/KG	*	=	F06
REG	Arsenic	8.1	MG/KG	N	=	
REG	Barium	226	MG/KG		=	
REG	Cadmium	0.56	MG/KG	B	J	
REG	Chromium	12.6	MG/KG		=	
REG	Lead	25	MG/KG		=	
REG	Manganese	350	MG/KG	*	=	
REG	Mercury	0.07	MG/KG	U	U	
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	0.37	MG/KG	U	U	
REG	Zinc	155	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Organic Carbon	25800	MG/KG		=	

WBGsd-088-0555-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements Air Temperature 75 DEG F

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11300	MG/KG	*	=	F06
REG	Arsenic	8.9	MG/KG	N	=	
REG	Barium	204	MG/KG		=	
REG	Cadmium	0.55	MG/KG	B	J	
REG	Chromium	13	MG/KG		=	
REG	Lead	24.8	MG/KG		=	
REG	Manganese	294	MG/KG	*	=	
REG	Mercury	0.07	MG/KG		=	
REG	Selenium	0.54	MG/KG	U	U	
REG	Silver	0.34	MG/KG	U	U	
REG	Zinc	187	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U	
REG	1,3-Dinitrobenzene	250	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U	
REG	2,4-Dinitrotoluene	250	UG/KG	U	U	
REG	2,6-Dinitrotoluene	260	UG/KG	U	U	
REG	2-Nitrotoluene	250	UG/KG	U	U	
REG	3-Nitrotoluene	250	UG/KG	U	U	
REG	4-Nitrotoluene	250	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	260	UG/KG	U	U	
REG	RDX	1000	UG/KG	U	U	
REG	Tetryl	650	UG/KG	U	U	

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGsd-089 South drainage in center of buring ground

Northing: 15673.00
 Easting: 136179.00
 Elevation:

WBGsd-089-0556-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F					
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Aluminum	14800	MG/KG	*	=				
REG	Arsenic	13.6	MG/KG	N	=				
REG	Barium	81.1	MG/KG		=				
REG	Cadmium	0.06	MG/KG	B	J	F06			
REG	Chromium	16.9	MG/KG		=				
REG	Lead	13.6	MG/KG		=				
REG	Manganese	548	MG/KG	*	=				
REG	Mercury	0.05	MG/KG		=				
REG	Selenium	0.59	MG/KG	B	J	F06			
REG	Silver	0.25	MG/KG	U	U				
REG	Zinc	90.1	MG/KG		=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U				
REG	1,3-Dinitrobenzene	250	UG/KG	U	U				
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U				
REG	2,4-Dinitrotoluene	250	UG/KG	U	U				
REG	2,6-Dinitrotoluene	260	UG/KG	U	U				
REG	2-Nitrotoluene	250	UG/KG	U	U				
REG	3-Nitrotoluene	250	UG/KG	U	U				
REG	4-Nitrotoluene	250	UG/KG	U	U				
REG	HMX	2000	UG/KG	U	U				
REG	Nitrobenzene	260	UG/KG	U	U				
REG	RDX	1000	UG/KG	U	U				
REG	Tetryl	650	UG/KG	U	U				
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Organic Carbon	5960	MG/KG		=				

Location: Winklepeck Burning Ground
 Station : WBGsd-090 South drainage in east of buring ground

Northing: 15354.00
 Easting: 138510.00
 Elevation:

WBGsd-090-0557-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F					
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	Aluminum	4740	MG/KG	*	=				
REG	Arsenic	10.4	MG/KG	N	=				
REG	Barium	36.8	MG/KG		=				
REG	Cadmium	0.18	MG/KG	B	J	F06			
REG	Chromium	7.2	MG/KG		=				
REG	Lead	14.6	MG/KG		=				
REG	Manganese	303	MG/KG	*	=				
REG	Mercury	0.05	MG/KG	U	U				
REG	Selenium	0.41	MG/KG	U	U				
REG	Silver	0.26	MG/KG	U	U				
REG	Zinc	148	MG/KG		=				
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code			
REG	1,3,5-Trinitrobenzene	250	UG/KG	U	U				
REG	1,3-Dinitrobenzene	250	UG/KG	U	U				
REG	2,4,6-Trinitrotoluene	250	UG/KG	U	U				
REG	2,4-Dinitrotoluene	250	UG/KG	U	U				
REG	2,6-Dinitrotoluene	260	UG/KG	U	U				
REG	2-Nitrotoluene	250	UG/KG	U	U				
REG	3-Nitrotoluene	250	UG/KG	U	U				
REG	4-Nitrotoluene	250	UG/KG	U	U				

Table APPENDIX G2

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGsd-090 South drainage in east of buring ground

Northing: 15354.00
 Easting: 138510.00
 Elevation:

WBGsd-090-0557-SD 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Drainage Sediment Collected: 08/11/96

Field Measurements		Air Temperature	75	DEG F		Qualifiers		Validation
Sample Type	Explosives	Result	Units	Lab	Data			Code
REG	HMX	2000	UG/KG	U	U			
REG	Nitrobenzene	260	UG/KG	U	U			
REG	RDX	1000	UG/KG	U	U			
REG	Tetryl	650	UG/KG	U	U			
Sample Type	Total Organic Carbon (TOC)	Result	Units	Lab	Data			Validation Code
REG	Organic Carbon	13000	MG/KG	=				

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APPENDIX G.3
GROUNDWATER RESULTS (BY LOCATION)

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
Station : LNWwp-019 Former landfill area well point

Northing: 17977.00
Easting: 137369.00
Elevation:

LNWwp-019-0438-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/27/96

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	2	UG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	19.3	UG/L	B	J	
REG	Antimony	3	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	14.6	UG/L		=	
REG	Beryllium	0.45	UG/L	B	U	F01
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	28900	UG/L		=	
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	0.82	UG/L	B	U	F01
REG	Copper	3.8	UG/L	U	U	
REG	Iron	19	UG/L	U	U	
REG	Lead	1.5	UG/L	B	J	
REG	Magnesium	8880	UG/L		=	
REG	Manganese	37.1	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	110	UG/L		=	
REG	Potassium	1410	UG/L	B	J	
REG	Selenium	3	UG/L	U	U	
REG	Silver	1.9	UG/L	U	U	
REG	Sodium	3250	UG/L		=	
REG	Thallium	0.9	UG/L	U	U	
REG	Vanadium	0.4	UG/L	U	U	
REG	Zinc	7.9	UG/L	U	U	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.08	UG/L	U	R	C08,G03
REG	4,4'-DDE	0.08	UG/L	U	R	G03
REG	4,4'-DDT	0.08	UG/L	U	R	G03
REG	Aldrin	0.04	UG/L	U	R	G03
REG	Alpha Chlordane	0.04	UG/L	U	R	G03
REG	Alpha-BHC	0.04	UG/L	U	R	G03
REG	Aroclor-1016	1	UG/L	U	R	G03
REG	Aroclor-1221	1	UG/L	U	R	G03
REG	Aroclor-1232	1	UG/L	U	R	G03
REG	Aroclor-1242	1	UG/L	U	R	G03
REG	Aroclor-1248	1	UG/L	U	R	G03
REG	Aroclor-1254	2	UG/L	U	R	G03
REG	Aroclor-1260	2	UG/L	U	R	G03
REG	Beta-BHC	0.04	UG/L	U	R	G03
REG	Delta-BHC	0.04	UG/L	U	R	G03
REG	Dieldrin	0.08	UG/L	U	R	G03
REG	Endosulfan I	0.04	UG/L	U	R	G03
REG	Endosulfan II	0.08	UG/L	U	R	G03
REG	Endosulfan Sulfate	0.08	UG/L	U	R	G03

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWwp-019 Former landfill area well point

Northing: 17977.00
 Easting: 137369.00
 Elevation:

LNWwp-019-0438-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/27/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Endrin	0.08	UG/L	U	R	G03		
REG	Endrin Aldehyde	0.08	UG/L	U	R	G03		
REG	Endrin Ketone	0.08	UG/L	U	R	G03		
REG	Gamma Chlordane	0.04	UG/L	U	R	G03		
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	R	G03		
REG	Heptachlor	0.04	UG/L	U	R	G03		
REG	Heptachlor Epoxide	0.06	UG/L		J	G03		
REG	Methoxychlor	0.38	UG/L	U	R	C08,G03		
REG	Toxaphene	2.5	UG/L	U	R	G03		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U			
REG	1,2-Dichlorobenzene	5	UG/L	U	U			
REG	1,3-Dichlorobenzene	5	UG/L	U	U			
REG	1,4-Dichlorobenzene	5	UG/L	U	U			
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U			
REG	2,4,5-Trichlorophenol	20	UG/L	U	U			
REG	2,4,6-Trichlorophenol	5	UG/L	U	U			
REG	2,4-Dichlorophenol	5	UG/L	U	U			
REG	2,4-Dimethylphenol	5	UG/L	U	U			
REG	2,4-Dinitrophenol	20	UG/L	U	U			
REG	2-Chloronaphthalene	5	UG/L	U	U			
REG	2-Chlorophenol	5	UG/L	U	U			
REG	2-Methylnaphthalene	5	UG/L	U	U			
REG	2-Methylphenol	5	UG/L	U	U			
REG	2-Nitroaniline	20	UG/L	U	U			
REG	2-Nitrophenol	5	UG/L	U	U			
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U			
REG	3-Nitroaniline	20	UG/L	U	U			
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U			
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U			
REG	4-Chloroaniline	5	UG/L	U	U			
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U			
REG	4-Methylphenol	5	UG/L	U	U			
REG	4-Nitroaniline	20	UG/L	U	U			
REG	4-Nitrophenol	20	UG/L	U	U			
REG	4-chloro-3-methylphenol	5	UG/L	U	U			
REG	Acenaphthene	5	UG/L	U	U			
REG	Acenaphthylene	5	UG/L	U	U			
REG	Anthracene	5	UG/L	U	U			
REG	Benzo(a)anthracene	5	UG/L	U	U			
REG	Benzo(a)pyrene	5	UG/L	U	U			
REG	Benzo(b)fluoranthene	5	UG/L	U	U			
REG	Benzo(g,h,i)perylene	5	UG/L	U	U			
REG	Benzo(k)fluoranthene	5	UG/L	U	U			
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U			
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U			
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	JB	U	F01,F06		
REG	Butyl Benzyl Phthalate	5	UG/L	U	U			
REG	Carbazole	5	UG/L	U	U			
REG	Chrysene	5	UG/L	U	U			
REG	Di-n-butyl Phthalate	5	UG/L	U	U			
REG	Di-n-octyl Phthalate	5	UG/L	U	U			
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U			
REG	Dibenzofuran	5	UG/L	U	U			
REG	Diethyl Phthalate	5	UG/L	U	U			
REG	Dimethyl Phthalate	5	UG/L	U	U			
REG	Fluoranthene	5	UG/L	U	U			
REG	Fluorene	5	UG/L	U	U			
REG	Hexachlorobenzene	5	UG/L	U	U			
REG	Hexachlorobutadiene	5	UG/L	U	U			
REG	Hexachlorocyclopentadiene	5	UG/L	U	U			

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWwp-019 Former landfill area well point

Northing: 17977.00
 Easting: 137369.00
 Elevation:

LNWwp-019-0438-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/27/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Hexachloroethane	5	UG/L	U	U		
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U		
REG	Isophorone	5	UG/L	U	U		
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U		
REG	N-Nitrosodiphenylamine	5	UG/L	U	U		
REG	Naphthalene	5	UG/L	U	U		
REG	Pentachlorophenol	20	UG/L	U	U		
REG	Phenanthrene	5	UG/L	U	U		
REG	Phenol	5	UG/L	U	U		
REG	Pyrene	5	UG/L	U	U		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	5	UG/L	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U		
REG	1,1,2-Trichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	R		C01
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	11	UG/L		J		C01,C02
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	11	UG/L		UJ		C02,C05,F04
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWwp-020 Former landfill area well point

Northing: 17955.00
 Easting: 137388.00
 Elevation:

LNWwp-020-0439-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/26/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	140	UG/L		=		
REG	Antimony	3.9	UG/L	B	J		F06
REG	Arsenic	9.2	UG/L		=		
REG	Barium	72.1	UG/L		=		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWwp-020 Former landfill area well point

Northing: 17955.00
 Easting: 137388.00
 Elevation:

LNWwp-020-0439-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/26/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Beryllium	0.35	UG/L	B	J	F06
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	73900	UG/L		=	
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	0.6	UG/L	U	U	
REG	Copper	3.8	UG/L	U	U	
REG	Iron	477	UG/L		=	
REG	Lead	1.4	UG/L	U	U	
REG	Magnesium	17800	UG/L		=	
REG	Manganese	187	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	3.5	UG/L	B	J	
REG	Potassium	2500	UG/L	B	J	
REG	Selenium	3	UG/L	U	U	
REG	Silver	1.9	UG/L	U	U	
REG	Sodium	7330	UG/L		=	
REG	Thallium	1	UG/L	U	U	
REG	Vanadium	0.4	UG/L	U	U	
REG	Zinc	23.1	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	C01 C01,C02
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	R	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	27	UG/L		J	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWwp-020 Former landfill area well point

Northing: 17955.00
 Easting: 137388.00
 Elevation:

LNWwp-020-0439-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/26/96

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Methylene Chloride	13	UG/L	UJ	U	C02C05F04F07
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWwp-021 Former landfill area well point

Northing: 18201.00
 Easting: 137216.00
 Elevation:

LNWwp-021-0440-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/26/96

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	R	C01
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	21	UG/L	UJ	UJ	C01,C02
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	10	UG/L	UJ	UJ	C02C05F04F07
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWwp-022 Former landfill area well point

Northing: 18423.00
 Easting: 137013.00
 Elevation:

LNWwp-022-0443-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/28/96

Field Measurements	Air Temperature	80	DEG F	Qualifiers Lab	Data	Validation Code
Sample Type	Volatile Organics	Result	Units	Lab	Data	Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWwp-022 Former landfill area well point

Northing: 18423.00
 Easting: 137013.00
 Elevation:

LNWwp-022-0443-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/28/96

Field Measurements		Air Temperature	75	DEG F	Qualifiers		Validation
Sample Type	Volatile Organics	Result	Units	Lab	Data		Code
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	R		C01
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	47	UG/L		J		C01,C02
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	11	UG/L		J		C02,C05
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1mw-063 Within load line complex adjacent to concrete sett

Northing: 16873.00
 Easting: 155252.00
 Elevation:

LL1mw-063-0073-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/12/96

Field Measurements		Air Temperature	75	DEG F		
Sample Type	Cyanide	Result	Units	Qualifiers Lab Data		Validation Code
REG	Cyanide	2.9	UG/L	B	J	F06
Sample Type	Metals	Result	Units	Qualifiers Lab Data		Validation Code
REG	Aluminum	84.1	UG/L	B	J	F06
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	2.5	UG/L	U	U	
REG	Barium	27.4	UG/L	=		
REG	Beryllium	0.33	UG/L	B	J	F06
REG	Cadmium	0.5	UG/L	U	U	
REG	Calcium	4050	UG/L	=		
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	27.5	UG/L	=		
REG	Copper	0.99	UG/L	B	J	F06
REG	Iron	37.3	UG/L	B	J	F06
REG	Lead	1.7	UG/L	U	U	
REG	Magnesium	2590	UG/L	=		
REG	Manganese	821	UG/L	N	J	I02
REG	Mercury	0.13	UG/L	B	J	F06
REG	Nickel	35.8	UG/L	=		
REG	Potassium	1690	UG/L	B	J	F06
REG	Selenium	2.8	UG/L	U	U	
REG	Silver	1.2	UG/L	U	U	
REG	Sodium	4850	UG/L	=		
REG	Thallium	0.9	UG/L	U	U	
REG	Vanadium	0.5	UG/L	U	U	
REG	Zinc	47	UG/L	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	UJ	A01
REG	1,3-Dinitrobenzene	3	UG/L	U	UJ	A01
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	A01
REG	2,4-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2,6-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2-Nitrotoluene	10	UG/L	U	UJ	A01
REG	3-Nitrotoluene	10	UG/L	U	UJ	A01
REG	4-Nitrotoluene	10	UG/L	U	UJ	A01
REG	HMX	20	UG/L	U	UJ	A01
REG	Nitrobenzene	10	UG/L	U	UJ	A01
REG	RDX	20	UG/L	U	UJ	A01
REG	Tetryl	50	UG/L	U	UJ	A01,P01
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab Data		Validation Code
REG	4,4'-DDD	0.08	UG/L	U	U	
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	
REG	Beta-BHC	0.04	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	U	U	
REG	Dieldrin	0.08	UG/L	U	U	
REG	Endosulfan I	0.04	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1mw-063 Within load line complex adjacent to concrete sett

Northing: 16873.00
 Easting: 155252.00
 Elevation:

LL1mw-063-0073-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab Data		Validation Code		
REG	Endosulfan II	0.08	UG/L	U	U			
REG	Endosulfan Sulfate	0.08	UG/L	U	U			
REG	Endrin	0.08	UG/L	U	U			
REG	Endrin Aldehyde	0.08	UG/L	U	U			
REG	Endrin Ketone	0.08	UG/L	U	U			
REG	Gamma Chlordane	0.04	UG/L	U	U			
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U			
REG	Heptachlor	0.04	UG/L	U	U			
REG	Heptachlor Epoxide	0.04	UG/L	U	U			
REG	Methoxychlor	0.38	UG/L	U	U			
REG	Toxaphene	2.5	UG/L	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab Data		Validation Code		
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U			
REG	1,2-Dichlorobenzene	5	UG/L	U	U			
REG	1,3-Dichlorobenzene	5	UG/L	U	U			
REG	1,4-Dichlorobenzene	5	UG/L	U	U			
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U			
REG	2,4,5-Trichlorophenol	20	UG/L	U	U			
REG	2,4,6-Trichlorophenol	5	UG/L	U	U			
REG	2,4-Dichlorophenol	5	UG/L	U	U			
REG	2,4-Dimethylphenol	5	UG/L	U	U			
REG	2,4-Dinitrophenol	20	UG/L	U	U			
REG	2-Chloronaphthalene	5	UG/L	U	U			
REG	2-Chlorophenol	5	UG/L	U	U			
REG	2-Methylnaphthalene	5	UG/L	U	U			
REG	2-Methylphenol	5	UG/L	U	U			
REG	2-Nitroaniline	20	UG/L	U	U			
REG	2-Nitrophenol	5	UG/L	U	U			
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U			
REG	3-Nitroaniline	20	UG/L	U	U			
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U			
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U			
REG	4-Chloroaniline	5	UG/L	U	U			
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U			
REG	4-Methylphenol	5	UG/L	U	U			
REG	4-Nitroaniline	20	UG/L	U	U			
REG	4-Nitrophenol	20	UG/L	U	U			
REG	4-chloro-3-methylphenol	5	UG/L	U	U			
REG	Acenaphthene	5	UG/L	U	U			
REG	Acenaphthylene	5	UG/L	U	U			
REG	Anthracene	5	UG/L	U	U			
REG	Benzo(a)anthracene	5	UG/L	U	U			
REG	Benzo(a)pyrene	5	UG/L	U	U			
REG	Benzo(b)fluoranthene	5	UG/L	U	U			
REG	Benzo(g,h,i)perylene	5	UG/L	U	U			
REG	Benzo(k)fluoranthene	5	UG/L	U	U			
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U			
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U			
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	JB	UJ	C05,F01,F06		
REG	Butyl Benzyl Phthalate	5	UG/L	U	U			
REG	Carbazole	5	UG/L	U	U			
REG	Chrysene	5	UG/L	U	U			
REG	Di-n-butyl Phthalate	5	UG/L	U	U			
REG	Di-n-octyl Phthalate	5	UG/L	U	U			
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U			
REG	Dibenzofuran	5	UG/L	U	U			
REG	Diethyl Phthalate	5	UG/L	U	U			
REG	Dimethyl Phthalate	5	UG/L	U	U			
REG	Fluoranthene	5	UG/L	U	U			
REG	Fluorene	5	UG/L	U	U			
REG	Hexachlorobenzene	5	UG/L	U	U			

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1mw-063 Within load line complex adjacent to concrete sett

Northing: 16873.00
 Easting: 155252.00
 Elevation:

LL1mw-063-0073-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/12/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Hexachlorobutadiene	5	UG/L	U	U		
REG	Hexachlorocyclopentadiene	5	UG/L	U	U		
REG	Hexachloroethane	5	UG/L	U	U		
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U		
REG	Isophorone	5	UG/L	U	U		
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U		
REG	N-Nitrosodiphenylamine	5	UG/L	U	U		
REG	Naphthalene	5	UG/L	U	U		
REG	Pentachlorophenol	20	UG/L	U	U		
REG	Phenanthrene	5	UG/L	U	U		
REG	Phenol	5	UG/L	U	U		
REG	Pyrene	5	UG/L	U	U		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	5	UG/L	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U		
REG	1,1,2-Trichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	U		
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	5	UG/L	U	UJ	C02	
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	7	UG/L	B	UJ	C02,F01,F07	
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

Location: Load Line 1
 Station : LL1mw-064 In crescent array downgradient from LL1 settling p

Northing: 16315.00
 Easting: 158694.00
 Elevation:

LL1mw-064-0074-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/10/96

Field Measurements		Air Temperature	70	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	2	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	27.8	UG/L	B	J	F06
REG	Antimony	2.8	UG/L	B	U	F01
REG	Arsenic	2.5	UG/L	U	U	
REG	Barium	67.3	UG/L	=		
REG	Beryllium	0.3	UG/L	U	U	
REG	Cadmium	0.5	UG/L	U	U	
REG	Calcium	54200	UG/L	=		
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	0.9	UG/L	U	U	
REG	Copper	7.4	UG/L	B	J	F06
REG	Iron	32	UG/L	U	U	
REG	Lead	1.7	UG/L	U	U	
REG	Magnesium	9240	UG/L	=		
REG	Manganese	130	UG/L	N	J	I02
REG	Mercury	0.1	UG/L	B	J	F06
REG	Nickel	1.6	UG/L	B	J	F06
REG	Potassium	1010	UG/L	B	J	F06
REG	Selenium	2.8	UG/L	U	U	
REG	Silver	1.2	UG/L	U	U	
REG	Sodium	6010	UG/L	=		
REG	Thallium	0.9	UG/L	U	U	
REG	Vanadium	0.5	UG/L	U	U	
REG	Zinc	82.5	UG/L	=		

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	UJ	A01
REG	1,3-Dinitrobenzene	3	UG/L	U	UJ	A01
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	A01
REG	2,4-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2,6-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2-Nitrotoluene	10	UG/L	U	UJ	A01
REG	3-Nitrotoluene	10	UG/L	U	UJ	A01
REG	4-Nitrotoluene	10	UG/L	U	UJ	A01
REG	HMX	20	UG/L	U	UJ	A01
REG	Nitrobenzene	10	UG/L	U	UJ	A01
REG	RDX	20	UG/L	U	UJ	A01
REG	Tetryl	50	UG/L	U	UJ	A01,P01

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.08	UG/L	U	U	
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	
REG	Beta-BHC	0.04	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	U	U	
REG	Dieldrin	0.08	UG/L	U	U	
REG	Endosulfan I	0.04	UG/L	U	U	
REG	Endosulfan II	0.08	UG/L	U	U	
REG	Endosulfan Sulfate	0.08	UG/L	U	U	
REG	Endrin	0.08	UG/L	U	U	
REG	Endrin Aldehyde	0.08	UG/L	U	U	
REG	Endrin Ketone	0.08	UG/L	U	U	
REG	Gamma Chlordane	0.04	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U	
REG	Heptachlor	0.04	UG/L	U	U	
REG	Heptachlor Epoxide	0.04	UG/L	U	U	
REG	Methoxychlor	0.38	UG/L	U	U	
REG	Toxaphene	2.5	UG/L	U	U	

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U	
REG	1,2-Dichlorobenzene	5	UG/L	U	U	
REG	1,3-Dichlorobenzene	5	UG/L	U	U	
REG	1,4-Dichlorobenzene	5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	20	UG/L	U	U	
REG	2,4,6-Trichlorophenol	5	UG/L	U	U	
REG	2,4-Dichlorophenol	5	UG/L	U	U	
REG	2,4-Dimethylphenol	5	UG/L	U	U	
REG	2,4-Dinitrophenol	20	UG/L	U	U	
REG	2-Chloronaphthalene	5	UG/L	U	U	
REG	2-Chlorophenol	5	UG/L	U	U	
REG	2-Methylnaphthalene	5	UG/L	U	U	
REG	2-Methylphenol	5	UG/L	U	U	
REG	2-Nitroaniline	20	UG/L	U	U	
REG	2-Nitrophenol	5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	20	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U	
REG	4-Chloroaniline	5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U	
REG	4-Methylphenol	5	UG/L	U	U	
REG	4-Nitroaniline	20	UG/L	U	U	
REG	4-Nitrophenol	20	UG/L	U	U	
REG	4-chloro-3-methylphenol	5	UG/L	U	U	
REG	Acenaphthene	5	UG/L	U	U	
REG	Acenaphthylene	5	UG/L	U	U	
REG	Anthracene	5	UG/L	U	U	
REG	Benzo(a)anthracene	5	UG/L	U	U	
REG	Benzo(a)pyrene	5	UG/L	U	U	
REG	Benzo(b)fluoranthene	5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	5	UG/L	U	U	
REG	Benzo(k)fluoranthene	5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	JB	UJ	C05,F01,F06
REG	Butyl Benzyl Phthalate	5	UG/L	U	U	
REG	Carbazole	5	UG/L	U	U	
REG	Chrysene	5	UG/L	U	U	
REG	Di-n-butyl Phthalate	5	UG/L	U	U	
REG	Di-n-octyl Phthalate	5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U	
REG	Dibenzofuran	5	UG/L	U	U	
REG	Diethyl Phthalate	5	UG/L	U	U	
REG	Dimethyl Phthalate	5	UG/L	U	U	
REG	Fluoranthene	5	UG/L	U	U	
REG	Fluorene	5	UG/L	U	U	
REG	Hexachlorobenzene	5	UG/L	U	U	
REG	Hexachlorobutadiene	5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	5	UG/L	U	U	
REG	Hexachloroethane	5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U	
REG	Isophorone	5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	5	UG/L	U	U	
REG	Naphthalene	5	UG/L	U	U	
REG	Pentachlorophenol	20	UG/L	U	U	
REG	Phenanthrene	5	UG/L	U	U	
REG	Phenol	5	UG/L	U	U	
REG	Pyrene	5	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1mw-064 In crescent array downgradient from LL1 settling p

Northing: 16315.00
 Easting: 158694.00
 Elevation:

LL1mw-064-0074-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/10/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	U		
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	5	UG/L	U	UJ	C02	
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	6	UG/L	B	UJ	C02,F01,F07	
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

LL1mw-064-0078-FD

Field Sample Type: Field Duplicate Matrix: Monitoring Well

Collected: 08/10/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	2	UG/L	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	22.5	UG/L	B	J	F06	
REG	Antimony	2.1	UG/L	U	U		
REG	Arsenic	2.5	UG/L	U	U		
REG	Barium	65.6	UG/L		=		
REG	Beryllium	0.3	UG/L	U	U		
REG	Cadmium	0.5	UG/L	U	U		
REG	Calcium	54400	UG/L		=		
REG	Chromium	0.8	UG/L	U	U		
REG	Cobalt	0.9	UG/L	U	U		
REG	Copper	5	UG/L	B	J	F06	
REG	Iron	32	UG/L	U	U		
REG	Lead	1.7	UG/L	U	U		
REG	Magnesium	9270	UG/L		=		
REG	Manganese	130	UG/L	N	J	I02	
REG	Mercury	0.1	UG/L	U	U		
REG	Nickel	1.2	UG/L	B	J	F06	
REG	Potassium	987	UG/L	B	J	F06	
REG	Selenium	2.8	UG/L	U	U		
REG	Silver	1.2	UG/L	U	U		
REG	Sodium	5770	UG/L		=		
REG	Thallium	0.9	UG/L	U	U		
REG	Vanadium	0.5	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1mw-064 In crescent array downgradient from LL1 settling p

Northing: 16315.00
 Easting: 158694.00
 Elevation:

LL1mw-064-0078-FD Field Sample Type: Field Duplicate Matrix: Monitoring Well Collected: 08/10/96

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Zinc	42.8	UG/L	U		F01

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	UJ	A01
REG	1,3-Dinitrobenzene	3	UG/L	U	UJ	A01
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	A01
REG	2,4-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2,6-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2-Nitrotoluene	10	UG/L	U	UJ	A01
REG	3-Nitrotoluene	10	UG/L	U	UJ	A01
REG	4-Nitrotoluene	10	UG/L	U	UJ	A01
REG	HMX	20	UG/L	U	UJ	A01
REG	Nitrobenzene	10	UG/L	U	UJ	A01
REG	RDX	20	UG/L	U	UJ	A01
REG	Tetryl	50	UG/L	U	UJ	A01,P01

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.08	UG/L	U	U	
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	
REG	Beta-BHC	0.04	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	U	U	
REG	Dieldrin	0.08	UG/L	U	U	
REG	Endosulfan I	0.04	UG/L	U	U	
REG	Endosulfan II	0.08	UG/L	U	U	
REG	Endosulfan Sulfate	0.08	UG/L	U	U	
REG	Endrin	0.08	UG/L	U	U	
REG	Endrin Aldehyde	0.08	UG/L	U	U	
REG	Endrin Ketone	0.08	UG/L	U	U	
REG	Gamma Chlordane	0.04	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U	
REG	Heptachlor	0.04	UG/L	U	U	
REG	Heptachlor Epoxide	0.04	UG/L	U	U	
REG	Methoxychlor	0.38	UG/L	U	U	
REG	Toxaphene	2.5	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U	
REG	1,2-Dichlorobenzene	5	UG/L	U	U	
REG	1,3-Dichlorobenzene	5	UG/L	U	U	
REG	1,4-Dichlorobenzene	5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	20	UG/L	U	U	
REG	2,4,6-Trichlorophenol	5	UG/L	U	U	
REG	2,4-Dichlorophenol	5	UG/L	U	U	
REG	2,4-Dimethylphenol	5	UG/L	U	U	
REG	2,4-Dinitrophenol	20	UG/L	U	U	
REG	2-Chloronaphthalene	5	UG/L	U	U	
REG	2-Chlorophenol	5	UG/L	U	U	
REG	2-Methylnaphthalene	5	UG/L	U	U	
REG	2-Methylphenol	5	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1mw-064 In crescent array downgradient from LL1 settling p

Northing: 16315.00
 Easting: 158694.00
 Elevation:

LL1mw-064-0078-FD

Field Sample Type: Field Duplicate

Matrix: Monitoring Well

Collected: 08/10/96

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2-Nitroaniline	20	UG/L	U	U	
REG	2-Nitrophenol	5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	20	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U	
REG	4-Chloroaniline	5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U	
REG	4-Methylphenol	5	UG/L	U	U	
REG	4-Nitroaniline	20	UG/L	U	U	
REG	4-Nitrophenol	20	UG/L	U	U	
REG	4-chloro-3-methylphenol	5	UG/L	U	U	
REG	Acenaphthene	5	UG/L	U	U	
REG	Acenaphthylene	5	UG/L	U	U	
REG	Anthracene	5	UG/L	U	U	
REG	Benzo(a)anthracene	5	UG/L	U	U	
REG	Benzo(a)pyrene	5	UG/L	U	U	
REG	Benzo(b)fluoranthene	5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	5	UG/L	U	U	
REG	Benzo(k)fluoranthene	5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	JB	UJ	C05,F01,F06
REG	Butyl Benzyl Phthalate	5	UG/L	U	U	
REG	Carbazole	5	UG/L	U	U	
REG	Chrysene	5	UG/L	U	U	
REG	Di-n-butyl Phthalate	5	UG/L	U	U	
REG	Di-n-octyl Phthalate	5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U	
REG	Dibenzofuran	5	UG/L	U	U	
REG	Diethyl Phthalate	5	UG/L	U	U	
REG	Dimethyl Phthalate	5	UG/L	U	U	
REG	Fluoranthene	5	UG/L	U	U	
REG	Fluorene	5	UG/L	U	U	
REG	Hexachlorobenzene	5	UG/L	U	U	
REG	Hexachlorobutadiene	5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	5	UG/L	U	U	
REG	Hexachloroethane	5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U	
REG	Isophorone	5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	5	UG/L	U	U	
REG	Naphthalene	5	UG/L	U	U	
REG	Pentachlorophenol	20	UG/L	U	U	
REG	Phenanthrene	5	UG/L	U	U	
REG	Phenol	5	UG/L	U	U	
REG	Pyrene	5	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	UJ	C02

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1mw-064 In crescent array downgradient from LL1 settling p

Northing: 16315.00
 Easting: 158694.00
 Elevation:

LL1mw-064-0078-FD Field Sample Type: Field Duplicate Matrix: Monitoring Well Collected: 08/10/96

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	6	UG/L	B	UJ	C02,F01,F07
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Location: Load Line 1
 Station : LL1mw-065 In crescent array downgradient from LL1 settling p

Northing: 14656.00
 Easting: 158769.00
 Elevation:

LL1mw-065-0077-GW Field Sample Type: Grab Matrix: Monitoring Well Collected: 08/10/96

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	2	UG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	235	UG/L	=		
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	2.5	UG/L	U	U	
REG	Barium	51.7	UG/L	=		
REG	Beryllium	0.3	UG/L	U	U	
REG	Cadmium	0.5	UG/L	U	U	
REG	Calcium	70400	UG/L	=		
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	1.4	UG/L	B	J	F06
REG	Copper	0.93	UG/L	B	J	F06
REG	Iron	370	UG/L	=		
REG	Lead	1.7	UG/L	U	U	
REG	Magnesium	21200	UG/L	=		
REG	Manganese	807	UG/L	N	J	I02
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	2.8	UG/L	B	J	F06
REG	Potassium	2140	UG/L	B	J	F06
REG	Selenium	2.8	UG/L	U	U	
REG	Silver	1.2	UG/L	U	U	
REG	Sodium	18100	UG/L	=		
REG	Thallium	0.9	UG/L	U	U	
REG	Vanadium	0.5	UG/L	U	U	
REG	Zinc	13.1	UG/L	B	U	F01

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	UJ	A01
REG	1,3-Dinitrobenzene	3	UG/L	U	UJ	A01
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	A01
REG	2,4-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2,6-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2-Nitrotoluene	10	UG/L	U	UJ	A01

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1mw-065 In crescent array downgradient from LL1 settling p

Northing: 14656.00
 Easting: 158769.00
 Elevation:

LL1mw-065-0077-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/10/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	3-Nitrotoluene	10	UG/L	U	UJ	A01	
REG	4-Nitrotoluene	10	UG/L	U	UJ	A01	
REG	HMX	20	UG/L	U	UJ	A01	
REG	Nitrobenzene	10	UG/L	U	UJ	A01	
REG	RDX	20	UG/L	U	UJ	A01	
REG	Tetryl	50	UG/L	U	UJ	A01,P01	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.08	UG/L	U	U		
REG	4,4'-DDE	0.08	UG/L	U	U		
REG	4,4'-DDT	0.08	UG/L	U	U		
REG	Aldrin	0.04	UG/L	U	U		
REG	Alpha Chlordane	0.04	UG/L	U	U		
REG	Alpha-BHC	0.04	UG/L	U	U		
REG	Aroclor-1016	1	UG/L	U	U		
REG	Aroclor-1221	1	UG/L	U	U		
REG	Aroclor-1232	1	UG/L	U	U		
REG	Aroclor-1242	1	UG/L	U	U		
REG	Aroclor-1248	1	UG/L	U	U		
REG	Aroclor-1254	2	UG/L	U	U		
REG	Aroclor-1260	2	UG/L	U	U		
REG	Beta-BHC	0.04	UG/L	U	U		
REG	Delta-BHC	0.04	UG/L	U	U		
REG	Dieldrin	0.08	UG/L	U	U		
REG	Endosulfan I	0.04	UG/L	U	U		
REG	Endosulfan II	0.08	UG/L	U	U		
REG	Endosulfan Sulfate	0.08	UG/L	U	U		
REG	Endrin	0.08	UG/L	U	U		
REG	Endrin Aldehyde	0.08	UG/L	U	U		
REG	Endrin Ketone	0.08	UG/L	U	U		
REG	Gamma Chlordane	0.04	UG/L	U	U		
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U		
REG	Heptachlor	0.04	UG/L	U	U		
REG	Heptachlor Epoxide	0.04	UG/L	U	U		
REG	Methoxychlor	0.38	UG/L	U	U		
REG	Toxaphene	2.5	UG/L	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U		
REG	1,2-Dichlorobenzene	5	UG/L	U	U		
REG	1,3-Dichlorobenzene	5	UG/L	U	U		
REG	1,4-Dichlorobenzene	5	UG/L	U	U		
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U		
REG	2,4,5-Trichlorophenol	20	UG/L	U	U		
REG	2,4,6-Trichlorophenol	5	UG/L	U	U		
REG	2,4-Dichlorophenol	5	UG/L	U	U		
REG	2,4-Dimethylphenol	5	UG/L	U	U		
REG	2,4-Dinitrophenol	20	UG/L	U	U		
REG	2-Chloronaphthalene	5	UG/L	U	U		
REG	2-Chlorophenol	5	UG/L	U	U		
REG	2-Methylnaphthalene	5	UG/L	U	U		
REG	2-Methylphenol	5	UG/L	U	U		
REG	2-Nitroaniline	20	UG/L	U	U		
REG	2-Nitrophenol	5	UG/L	U	U		
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U		
REG	3-Nitroaniline	20	UG/L	U	U		
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U		
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U		
REG	4-Chloroaniline	5	UG/L	U	U		
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1mw-065 In crescent array downgradient from LL1 settling p

Northing: 14656.00
 Easting: 158769.00
 Elevation:

LL1mw-065-0077-GW Field Sample Type: Grab Matrix: Monitoring Well Collected: 08/10/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	4-Methylphenol	5	UG/L	U	U		
REG	4-Nitroaniline	20	UG/L	U	U		
REG	4-Nitrophenol	20	UG/L	U	U		
REG	4-chloro-3-methylphenol	5	UG/L	U	U		
REG	Acenaphthene	5	UG/L	U	U		
REG	Acenaphthylene	5	UG/L	U	U		
REG	Anthracene	5	UG/L	U	U		
REG	Benzo(a)anthracene	5	UG/L	U	U		
REG	Benzo(a)pyrene	5	UG/L	U	U		
REG	Benzo(b)fluoranthene	5	UG/L	U	U		
REG	Benzo(g,h,i)perylene	5	UG/L	U	U		
REG	Benzo(k)fluoranthene	5	UG/L	U	U		
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U		
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U		
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	JB	UJ	C05,F01,F06	
REG	Butyl Benzyl Phthalate	5	UG/L	U	U		
REG	Carbazole	5	UG/L	U	U		
REG	Chrysene	5	UG/L	U	U		
REG	Di-n-butyl Phthalate	5	UG/L	U	U		
REG	Di-n-octyl Phthalate	5	UG/L	U	U		
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U		
REG	Dibenzofuran	5	UG/L	U	U		
REG	Diethyl Phthalate	5	UG/L	U	U		
REG	Dimethyl Phthalate	5	UG/L	U	U		
REG	Fluoranthene	5	UG/L	U	U		
REG	Fluorene	5	UG/L	U	U		
REG	Hexachlorobenzene	5	UG/L	U	U		
REG	Hexachlorobutadiene	5	UG/L	U	U		
REG	Hexachlorocyclopentadiene	5	UG/L	U	U		
REG	Hexachloroethane	5	UG/L	U	U		
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U		
REG	Isophorone	5	UG/L	U	U		
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U		
REG	N-Nitrosodiphenylamine	5	UG/L	U	U		
REG	Naphthalene	5	UG/L	U	U		
REG	Pentachlorophenol	20	UG/L	U	U		
REG	Phenanthrene	5	UG/L	U	U		
REG	Phenol	5	UG/L	U	U		
REG	Pyrene	5	UG/L	U	U		
Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	1,1,1-Trichloroethane	5	UG/L	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U		
REG	1,1,2-Trichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	U		
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	5	UG/L	U	UJ	C02	
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1mw-065 In crescent array downgradient from LL1 settling p

Northing: 14656.00
 Easting: 158769.00
 Elevation:

LL1mw-065-0077-GW Field Sample Type: Grab Matrix: Monitoring Well Collected: 08/10/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Chlorobenzene		5 UG/L	U	U		
REG	Chloroethane		5 UG/L	U	U		
REG	Chloroform		5 UG/L	U	U		
REG	Chloromethane		5 UG/L	U	U		
REG	Dibromochloromethane		5 UG/L	U	U		
REG	Ethylbenzene		5 UG/L	U	U		
REG	Methylene Chloride		5 UG/L	JB	UJ		C02,F01,F06
REG	Styrene		5 UG/L	U	U		
REG	Tetrachloroethene		5 UG/L	U	U		
REG	Toluene		5 UG/L	U	U		
REG	Trichloroethene		5 UG/L	U	U		
REG	Vinyl Chloride		5 UG/L	U	U		
REG	Xylenes, Total		5 UG/L	U	U		
REG	o-Xylene		5 UG/L	U	U		

Location: Load Line 1
 Station: LL1mw-067 LL1

Northing: 18421.00
 Easting: 154966.00
 Elevation:

LL1mw-067-0669-GW Field Sample Type: Grab Matrix: Monitoring Well Collected: 08/21/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Cyanide		2 UG/L	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab Data		Validation Code	
REG	Aluminum		45.8 UG/L	B	=		
REG	Antimony		2.1 UG/L	U	U		
REG	Arsenic		2.5 UG/L	U	U		
REG	Barium		20.3 UG/L		=		
REG	Beryllium		0.3 UG/L	U	U		
REG	Cadmium		0.5 UG/L	U	U		
REG	Calcium		32900 UG/L		=		
REG	Chromium		0.8 UG/L	U	U		
REG	Cobalt		19.3 UG/L	B	J		F06
REG	Copper		1.2 UG/L	B	U		
REG	Iron		32 UG/L	U	U		
REG	Lead		1.7 UG/L	U	U		
REG	Magnesium		22900 UG/L		=		
REG	Manganese		1050 UG/L		=		
REG	Mercury		0.1 UG/L	U	U		
REG	Nickel		73.2 UG/L		=		
REG	Potassium		1940 UG/L	B	J		F06
REG	Selenium		2.8 UG/L	U	U		
REG	Silver		1.2 UG/L	U	U		
REG	Sodium		4360 UG/L		=		
REG	Thallium		0.9 UG/L	U	U		
REG	Vanadium		0.5 UG/L	U	U		
REG	Zinc		9.1 UG/L	B	J		F06
Sample Type	Explosives	Result	Units	Qualifiers Lab Data		Validation Code	
REG	1,3,5-Trinitrobenzene		2 UG/L	U	U		
REG	1,3-Dinitrobenzene		3 UG/L	U	U		
REG	2,4,6-Trinitrotoluene		3 UG/L	U	U		
REG	2,4-Dinitrotoluene		0.1 UG/L	U	U		
REG	2,6-Dinitrotoluene		0.1 UG/L	U	U		
REG	2-Nitrotoluene		10 UG/L	U	U		
REG	3-Nitrotoluene		10 UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1mw-067 LL1

Northing: 18421.00
Easting: 154966.00
Elevation:

LL1mw-067-0669-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/21/96

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	UJ	P01

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.08	UG/L	U	U	
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	
REG	Beta-BHC	0.04	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	U	U	
REG	Dieldrin	0.08	UG/L	U	U	
REG	Endosulfan I	0.04	UG/L	U	U	
REG	Endosulfan II	0.08	UG/L	U	U	
REG	Endosulfan Sulfate	0.08	UG/L	U	U	
REG	Endrin	0.08	UG/L	U	U	
REG	Endrin Aldehyde	0.08	UG/L	U	U	
REG	Endrin Ketone	0.08	UG/L	U	U	
REG	Gamma Chlordane	0.04	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U	
REG	Heptachlor	0.04	UG/L	U	U	
REG	Heptachlor Epoxide	0.04	UG/L	U	U	
REG	Methoxychlor	0.38	UG/L	U	U	
REG	Toxaphene	2.5	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U	
REG	1,2-Dichlorobenzene	5	UG/L	U	U	
REG	1,3-Dichlorobenzene	5	UG/L	U	U	
REG	1,4-Dichlorobenzene	5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	20	UG/L	U	R	G03
REG	2,4,6-Trichlorophenol	5	UG/L	U	R	G03
REG	2,4-Dichlorophenol	5	UG/L	U	R	G03
REG	2,4-Dimethylphenol	5	UG/L	U	R	G03
REG	2,4-Dinitrophenol	20	UG/L	U	R	G03
REG	2-Chloronaphthalene	5	UG/L	U	U	
REG	2-Chlorophenol	5	UG/L	U	R	G03
REG	2-Methylnaphthalene	5	UG/L	U	U	
REG	2-Methylphenol	5	UG/L	U	R	G03
REG	2-Nitroaniline	20	UG/L	U	U	
REG	2-Nitrophenol	5	UG/L	U	R	G03
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	20	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	R	G03
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U	
REG	4-Chloroaniline	5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U	
REG	4-Methylphenol	5	UG/L	U	R	G03
REG	4-Nitroaniline	20	UG/L	U	U	
REG	4-Nitrophenol	20	UG/L	U	R	G03

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1mw-067 LL1Northing: 18421.00
Easting: 154966.00
Elevation:

LL1mw-067-0669-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/21/96

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4-chloro-3-methylphenol	5	UG/L	U	R	G03
REG	Acenaphthene	5	UG/L	U	U	
REG	Acenaphthylene	5	UG/L	U	U	
REG	Anthracene	5	UG/L	U	U	
REG	Benzo(a)anthracene	5	UG/L	U	U	
REG	Benzo(a)pyrene	5	UG/L	U	U	
REG	Benzo(b)fluoranthene	5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	5	UG/L	U	U	
REG	Benzo(k)fluoranthene	5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	U	U	
REG	Butyl Benzyl Phthalate	5	UG/L	U	U	
REG	Carbazole	5	UG/L	U	U	
REG	Chrysene	5	UG/L	U	U	
REG	Di-n-butyl Phthalate	5	UG/L	U	U	
REG	Di-n-octyl Phthalate	5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U	
REG	Dibenzofuran	5	UG/L	U	U	
REG	Diethyl Phthalate	5	UG/L	U	U	
REG	Dimethyl Phthalate	5	UG/L	U	U	
REG	Fluoranthene	5	UG/L	U	U	
REG	Fluorene	5	UG/L	U	U	
REG	Hexachlorobenzene	5	UG/L	U	U	
REG	Hexachlorobutadiene	5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	5	UG/L	U	U	
REG	Hexachloroethane	5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U	
REG	Isophorone	5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	5	UG/L	U	U	
REG	Naphthalene	5	UG/L	U	U	
REG	Pentachlorophenol	20	UG/L	U	R	G03
REG	Phenanthrene	5	UG/L	U	U	
REG	Phenol	5	UG/L	U	R	G03
REG	Pyrene	5	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C02,C04,C05
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1mw-067 LL1

Northing: 18421.00
Easting: 154966.00
Elevation:

LL1mw-067-0669-GW Field Sample Type: Grab Matrix: Monitoring Well Collected: 08/21/96

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Ethylbenzene	5	UG/L	U	U	C02,F01,F07
REG	Methylene Chloride	6	UG/L	B	UJ	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Location: Load Line 1
Station : LL1wp-067 LL1

Northing: 15335.00
Easting: 158786.00
Elevation:

LL1wp-067-0436-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/29/96

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	2	UG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L		=	
REG	Arsenic	22.4	UG/L		=	
REG	Barium	105	UG/L		=	
REG	Cadmium	0.4	UG/L	U	U	
REG	Chromium	0.8	UG/L	U	U	
REG	Lead	1.4	UG/L	U	U	
REG	Manganese	361	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Selenium	3	UG/L	U	U	
REG	Silver	1.9	UG/L	U	U	
REG	Zinc	7.9	UG/L	U	U	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.08	UG/L	U	U	
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1wp-067 LL1

Northing: 15335.00
Easting: 158786.00
Elevation:

LL1wp-067-0436-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/29/96

Field Measurements		Air Temperature	75	DEG F	Qualifiers		Validation
Sample Type	Pesticides and/or PCBs	Result	Units	Lab	Data		Code
REG	Beta-BHC	0.04	UG/L	U	U		
REG	Delta-BHC	0.04	UG/L	U	U		
REG	Dieldrin	0.08	UG/L	U	U		
REG	Endosulfan I	0.04	UG/L	U	U		
REG	Endosulfan II	0.08	UG/L	U	U		
REG	Endosulfan Sulfate	0.08	UG/L	U	U		
REG	Endrin	0.08	UG/L	U	U		
REG	Endrin Aldehyde	0.08	UG/L	U	U		
REG	Endrin Ketone	0.08	UG/L	U	U		
REG	Gamma Chlordane	0.04	UG/L	U	U		
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U		
REG	Heptachlor	0.04	UG/L	U	U		
REG	Heptachlor Epoxide	0.04	UG/L	U	U		
REG	Methoxychlor	0.38	UG/L	U	U		
REG	Toxaphene	2.5	UG/L	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Lab	Data		Validation Code
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U		
REG	1,2-Dichlorobenzene	5	UG/L	U	U		
REG	1,3-Dichlorobenzene	5	UG/L	U	U		
REG	1,4-Dichlorobenzene	5	UG/L	U	U		
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U		
REG	2,4,5-Trichlorophenol	20	UG/L	U	U		
REG	2,4,6-Trichlorophenol	5	UG/L	U	U		
REG	2,4-Dichlorophenol	5	UG/L	U	U		
REG	2,4-Dimethylphenol	5	UG/L	U	U		
REG	2,4-Dinitrophenol	20	UG/L	U	U		
REG	2-Chloronaphthalene	5	UG/L	U	U		
REG	2-Chlorophenol	5	UG/L	U	U		
REG	2-Methylnaphthalene	5	UG/L	U	U		
REG	2-Methylphenol	5	UG/L	U	U		
REG	2-Nitroaniline	20	UG/L	U	U		
REG	2-Nitrophenol	5	UG/L	U	U		
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U		
REG	3-Nitroaniline	20	UG/L	U	U		
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U		
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U		
REG	4-Chloroaniline	5	UG/L	U	U		
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U		
REG	4-Methylphenol	5	UG/L	U	U		
REG	4-Nitroaniline	20	UG/L	U	U		
REG	4-Nitrophenol	20	UG/L	U	U		
REG	4-chloro-3-methylphenol	5	UG/L	U	U		
REG	Acenaphthene	5	UG/L	U	U		
REG	Acenaphthylene	5	UG/L	U	U		
REG	Anthracene	5	UG/L	U	U		
REG	Benzo(a)anthracene	5	UG/L	U	U		
REG	Benzo(a)pyrene	5	UG/L	U	U		
REG	Benzo(b)fluoranthene	5	UG/L	U	U		
REG	Benzo(g,h,i)perylene	5	UG/L	U	U		
REG	Benzo(k)fluoranthene	5	UG/L	U	U		
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U		
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U		
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	U	U		
REG	Butyl Benzyl Phthalate	5	UG/L	U	U		
REG	Carbazole	5	UG/L	U	U		
REG	Chrysene	5	UG/L	U	U		
REG	Di-n-butyl Phthalate	5	UG/L	U	U		
REG	Di-n-octyl Phthalate	5	UG/L	U	U		
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U		
REG	Dibenzofuran	5	UG/L	U	U		
REG	Diethyl Phthalate	5	UG/L	U	U		
REG	Dimethyl Phthalate	5	UG/L	U	U		

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1wp-067 LL1

Northing: 15335.00
Easting: 158786.00
Elevation:

LL1wp-067-0436-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/29/96

Field Measurements		Air Temperature	75	DEG F	Qualifiers		Validation
Sample Type	Semi-Volatile Organics	Result	Units	Lab	Data		Code
REG	Fluoranthene	5	UG/L	U	U		
REG	Fluorene	5	UG/L	U	U		
REG	Hexachlorobenzene	5	UG/L	U	U		
REG	Hexachlorobutadiene	5	UG/L	U	U		
REG	Hexachlorocyclopentadiene	5	UG/L	U	U		
REG	Hexachloroethane	5	UG/L	U	U		
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U		
REG	Isophorone	5	UG/L	U	U		
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U		
REG	N-Nitrosodiphenylamine	5	UG/L	U	U		
REG	Naphthalene	5	UG/L	U	U		
REG	Pentachlorophenol	20	UG/L	U	U		
REG	Phenanthrene	5	UG/L	U	U		
REG	Phenol	5	UG/L	U	U		
REG	Pyrene	5	UG/L	U	U		

Sample Type	Volatile Organics	Result	Units	Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	R	C01
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	7	UG/L		UJ	C02,C05,F04
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Location: Load Line 1
Station : LL1wp-068 LL1

Northing: 15723.00
Easting: 158785.00
Elevation:

LL1wp-068-0437-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/28/96

Field Measurements		Air Temperature	75	DEG F	Qualifiers		Validation
Sample Type	Cyanide	Result	Units	Lab	Data		Code
REG	Cyanide	2	UG/L	U	U		

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	41.9	UG/L	B	J	F06
REG	Antimony	3	UG/L	U	U	
REG	Arsenic	64.1	UG/L		=	
REG	Barium	55.7	UG/L		=	
REG	Beryllium	0.43	UG/L	B	J	F06
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	118000	UG/L		=	
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	9	UG/L	B	J	F06
REG	Copper	3.8	UG/L	U	U	
REG	Iron	822	UG/L		=	
REG	Lead	1.4	UG/L	U	U	
REG	Magnesium	28800	UG/L		=	
REG	Manganese	3120	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	51.8	UG/L		=	
REG	Potassium	2940	UG/L	B	J	F06
REG	Selenium	3	UG/L	U	U	
REG	Silver	1.9	UG/L	U	U	
REG	Sodium	7860	UG/L		=	
REG	Thallium	1	UG/L	U	U	
REG	Vanadium	0.4	UG/L	U	U	
REG	Zinc	12.5	UG/L	B	J	F06

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.08	UG/L	U	UJ	C08
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	
REG	Beta-BHC	0.04	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	U	U	
REG	Dieldrin	0.08	UG/L	U	UJ	C08
REG	Endosulfan I	0.04	UG/L	U	UJ	C08
REG	Endosulfan II	0.08	UG/L	U	U	
REG	Endosulfan Sulfate	0.08	UG/L	U	U	
REG	Endrin	0.08	UG/L	U	U	
REG	Endrin Aldehyde	0.08	UG/L	U	UJ	C08
REG	Endrin Ketone	0.08	UG/L	U	U	
REG	Gamma Chlordane	0.04	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U	
REG	Heptachlor	0.05	UG/L		=	
REG	Heptachlor Epoxide	0.04	UG/L	U	U	
REG	Methoxychlor	0.38	UG/L	U	U	
REG	Toxaphene	2.5	UG/L	U	U	

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U	
REG	1,2-Dichlorobenzene	5	UG/L	U	U	
REG	1,3-Dichlorobenzene	5	UG/L	U	U	
REG	1,4-Dichlorobenzene	5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	20	UG/L	U	U	
REG	2,4,6-Trichlorophenol	5	UG/L	U	U	
REG	2,4-Dichlorophenol	5	UG/L	U	U	
REG	2,4-Dimethylphenol	1	UG/L	J	J	
REG	2,4-Dinitrophenol	20	UG/L	U	U	
REG	2-Chloronaphthalene	5	UG/L	U	U	
REG	2-Chlorophenol	5	UG/L	U	U	
REG	2-Methylnaphthalene	5	UG/L	U	U	
REG	2-Methylphenol	5	UG/L	U	U	
REG	2-Nitroaniline	20	UG/L	U	U	
REG	2-Nitrophenol	5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	20	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U	
REG	4-Chloroaniline	5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U	
REG	4-Methylphenol	5	UG/L	U	U	
REG	4-Nitroaniline	20	UG/L	U	U	
REG	4-Nitrophenol	20	UG/L	U	U	
REG	4-chloro-3-methylphenol	5	UG/L	U	U	
REG	Acenaphthene	5	UG/L	U	U	
REG	Acenaphthylene	5	UG/L	U	U	
REG	Anthracene	5	UG/L	U	U	
REG	Benzo(a)anthracene	5	UG/L	U	U	
REG	Benzo(a)pyrene	5	UG/L	U	U	
REG	Benzo(b)fluoranthene	5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	5	UG/L	U	U	
REG	Benzo(k)fluoranthene	5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	JB	U	F01,F06
REG	Butyl Benzyl Phthalate	5	UG/L	U	U	
REG	Carbazole	5	UG/L	U	U	
REG	Chrysene	5	UG/L	U	U	
REG	Di-n-butyl Phthalate	5	UG/L	U	U	
REG	Di-n-octyl Phthalate	5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U	
REG	Dibenzofuran	5	UG/L	U	U	
REG	Diethyl Phthalate	1	UG/L	J	J	
REG	Dimethyl Phthalate	5	UG/L	U	U	
REG	Fluoranthene	5	UG/L	U	U	
REG	Fluorene	5	UG/L	U	U	
REG	Hexachlorobenzene	5	UG/L	U	U	
REG	Hexachlorobutadiene	5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	5	UG/L	U	U	
REG	Hexachloroethane	5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U	
REG	Isophorone	5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	5	UG/L	U	U	
REG	Naphthalene	5	UG/L	U	U	
REG	Pentachlorophenol	20	UG/L	U	U	
REG	Phenanthrene	5	UG/L	U	U	
REG	Phenol	5	UG/L	U	U	
REG	Pyrene	5	UG/L	U	U	
Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1wp-068 LL1

Northing: 15723.00
Easting: 158785.00
Elevation:

LL1wp-068-0437-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/28/96

Field Measurements		Air Temperature	80	DEG F	Qualifiers		Validation
Sample Type	Volatile Organics	Result	Units	Lab	Data	Code	
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	R		C01
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	18	UG/L		J		C01,C05
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	11	UG/L		J		C02,C05
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2mw-059 LL2 Monitoring Well

Northing: 11249.00
Easting: 153821.00
Elevation:

LL2mw-059-0667-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/19/96

Field Measurements		Air Temperature	80	DEG F			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	2	UG/L	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	18	UG/L	U	U		
REG	Antimony	2.1	UG/L	U	U		
REG	Arsenic	2.6	UG/L	B	J	F06	
REG	Barium	13.3	UG/L		=		
REG	Beryllium	0.3	UG/L	U	U		
REG	Cadmium	0.5	UG/L	U	U		
REG	Calcium	28800	UG/L		=		
REG	Chromium	0.8	UG/L	U	U		
REG	Cobalt	14.7	UG/L	B	J	F06	
REG	Copper	0.87	UG/L	B	U	F01	
REG	Iron	32	UG/L	U	U		
REG	Lead	1.7	UG/L	U	U		
REG	Magnesium	7510	UG/L		=		
REG	Manganese	642	UG/L		=		
REG	Mercury	0.1	UG/L	U	U		
REG	Nickel	17.9	UG/L	B	J	F06	
REG	Potassium	1470	UG/L	B	J	F06	
REG	Selenium	2.8	UG/L	U	U		
REG	Silver	1.2	UG/L	U	U		
REG	Sodium	6200	UG/L		=		
REG	Thallium	0.9	UG/L	U	U		
REG	Vanadium	0.5	UG/L	U	U		
REG	Zinc	7.8	UG/L	B	J	F06	
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U		
REG	1,3-Dinitrobenzene	3	UG/L	U	U		
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U		
REG	2,4-Dinitrotoluene	0.34	UG/L		=		
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U		
REG	2-Nitrotoluene	10	UG/L	U	U		
REG	3-Nitrotoluene	10	UG/L	U	U		
REG	4-Nitrotoluene	10	UG/L	U	U		
REG	HMX	20	UG/L	U	U		
REG	Nitrobenzene	10	UG/L	U	U		
REG	RDX	20	UG/L	U	U		
REG	Tetryl	50	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.08	UG/L	U	U		
REG	4,4'-DDE	0.08	UG/L	U	U		
REG	4,4'-DDT	0.08	UG/L	U	U		
REG	Aldrin	0.04	UG/L	U	U		
REG	Alpha Chlordane	0.04	UG/L	U	U		
REG	Alpha-BHC	0.04	UG/L	U	U		
REG	Aroclor-1016	1	UG/L	U	U		
REG	Aroclor-1221	1	UG/L	U	U		
REG	Aroclor-1232	1	UG/L	U	U		
REG	Aroclor-1242	1	UG/L	U	U		
REG	Aroclor-1248	1	UG/L	U	U		
REG	Aroclor-1254	2	UG/L	U	U		
REG	Aroclor-1260	2	UG/L	U	U		
REG	Beta-BHC	0.04	UG/L	U	U		
REG	Delta-BHC	0.04	UG/L	U	U		
REG	Dieldrin	0.08	UG/L	U	U		
REG	Endosulfan I	0.04	UG/L	U	U		

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2mw-059 LL2 Monitoring Well

Northing: 11249.00
Easting: 153821.00
Elevation:

LL2mw-059-0667-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/19/96

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Endosulfan II	0.08	UG/L	U	U	
REG	Endosulfan Sulfate	0.08	UG/L	U	U	
REG	Endrin	0.08	UG/L	U	U	
REG	Endrin Aldehyde	0.08	UG/L	U	U	
REG	Endrin Ketone	0.08	UG/L	U	U	
REG	Gamma Chlordane	0.04	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U	
REG	Heptachlor	0.04	UG/L	U	U	
REG	Heptachlor Epoxide	0.04	UG/L	U	U	
REG	Methoxychlor	0.38	UG/L	U	U	
REG	Toxaphene	2.5	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U	
REG	1,2-Dichlorobenzene	5	UG/L	U	U	
REG	1,3-Dichlorobenzene	5	UG/L	U	U	
REG	1,4-Dichlorobenzene	5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	20	UG/L	U	U	
REG	2,4,6-Trichlorophenol	5	UG/L	U	U	
REG	2,4-Dichlorophenol	5	UG/L	U	U	
REG	2,4-Dimethylphenol	5	UG/L	U	U	
REG	2,4-Dinitrophenol	20	UG/L	U	UJ	C05
REG	2-Chloronaphthalene	5	UG/L	U	U	
REG	2-Chlorophenol	5	UG/L	U	U	
REG	2-Methylnaphthalene	5	UG/L	U	U	
REG	2-Methylphenol	5	UG/L	U	U	
REG	2-Nitroaniline	20	UG/L	U	U	
REG	2-Nitrophenol	5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	20	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U	
REG	4-Chloroaniline	5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U	
REG	4-Methylphenol	5	UG/L	U	U	
REG	4-Nitroaniline	20	UG/L	U	U	
REG	4-Nitrophenol	20	UG/L	U	U	
REG	4-chloro-3-methylphenol	5	UG/L	U	U	
REG	Acenaphthene	5	UG/L	U	U	
REG	Acenaphthylene	5	UG/L	U	U	
REG	Anthracene	5	UG/L	U	U	
REG	Benzo(a)anthracene	5	UG/L	U	U	
REG	Benzo(a)pyrene	5	UG/L	U	U	
REG	Benzo(b)fluoranthene	5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	5	UG/L	U	U	
REG	Benzo(k)fluoranthene	5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	U	U	
REG	Butyl Benzyl Phthalate	5	UG/L	U	U	
REG	Carbazole	5	UG/L	U	U	
REG	Chrysene	5	UG/L	U	U	
REG	Di-n-butyl Phthalate	5	UG/L	U	U	
REG	Di-n-octyl Phthalate	5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U	
REG	Dibenzofuran	5	UG/L	U	U	
REG	Diethyl Phthalate	5	UG/L	U	U	
REG	Dimethyl Phthalate	5	UG/L	U	U	
REG	Fluoranthene	5	UG/L	U	U	
REG	Fluorene	5	UG/L	U	U	
REG	Hexachlorobenzene	5	UG/L	U	U	
REG	Hexachlorobutadiene	5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	5	UG/L	U	UJ	C05

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2mw-059 LL2 Monitoring Well

Northing: 11249.00
Easting: 153821.00
Elevation:

LL2mw-059-0667-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/19/96

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Hexachloroethane	5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U	
REG	Isophorone	5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	5	UG/L	U	U	
REG	Naphthalene	5	UG/L	U	U	
REG	Pentachlorophenol	20	UG/L	U	U	
REG	Phenanthrene	5	UG/L	U	U	
REG	Phenol	5	UG/L	U	U	
REG	Pyrene	5	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C02,C04
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	7	UG/L	B	UJ	C02,C05,F01,
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Location: Load Line 2
Station : LL2mw-060 LL2 Monitoring Well

Northing: 11386.00
Easting: 154624.00
Elevation:

LL2mw-060-0668-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/19/96

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	8.7	UG/L	B	J	F06

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	27.4	UG/L	B	J	F12
REG	Antimony	3	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	18.7	UG/L	=		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2mw-060 LL2 Monitoring Well

Northing: 11386.00
Easting: 154624.00
Elevation:

LL2mw-060-0668-GW

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 08/19/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Beryllium	0.3	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	34600	UG/L	=		
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	0.87	UG/L	B	J	F06
REG	Copper	3.8	UG/L	U	U	
REG	Iron	26.4	UG/L	B	J	F06
REG	Lead	1.4	UG/L	U	U	
REG	Magnesium	9900	UG/L	=		
REG	Manganese	106	UG/L	=		
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	3.8	UG/L	B	J	F06
REG	Potassium	831	UG/L	B	J	F06
REG	Selenium	3	UG/L	U	U	
REG	Silver	1.9	UG/L	U	U	
REG	Sodium	3050	UG/L	=		
REG	Thallium	0.9	UG/L	U	U	
REG	Vanadium	0.4	UG/L	U	U	
REG	Zinc	8.4	UG/L	B	J	F06

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.08	UG/L	U	U	
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	
REG	Beta-BHC	0.04	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	U	U	
REG	Dieldrin	0.08	UG/L	U	U	
REG	Endosulfan I	0.04	UG/L	U	U	
REG	Endosulfan II	0.08	UG/L	U	U	
REG	Endosulfan Sulfate	0.08	UG/L	U	U	
REG	Endrin	0.08	UG/L	U	U	
REG	Endrin Aldehyde	0.08	UG/L	U	U	
REG	Endrin Ketone	0.08	UG/L	U	U	
REG	Gamma Chlordane	0.04	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U	
REG	Heptachlor	0.04	UG/L	U	U	
REG	Heptachlor Epoxide	0.04	UG/L	U	U	
REG	Methoxychlor	0.38	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2mw-060 LL2 Monitoring Well

Northing: 11386.00
Easting: 154624.00
Elevation:

LL2mw-060-0668-GW Field Sample Type: Grab Matrix: Monitoring Well Collected: 08/19/96

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Toxaphene	2.5	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U	
REG	1,2-Dichlorobenzene	5	UG/L	U	U	
REG	1,3-Dichlorobenzene	5	UG/L	U	U	
REG	1,4-Dichlorobenzene	5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	20	UG/L	U	U	
REG	2,4,6-Trichlorophenol	5	UG/L	U	U	
REG	2,4-Dichlorophenol	5	UG/L	U	U	
REG	2,4-Dimethylphenol	5	UG/L	U	U	
REG	2,4-Dinitrophenol	20	UG/L	U	U	
REG	2-Chloronaphthalene	5	UG/L	U	U	
REG	2-Chlorophenol	5	UG/L	U	U	
REG	2-Methylnaphthalene	5	UG/L	U	U	
REG	2-Methylphenol	5	UG/L	U	U	
REG	2-Nitroaniline	20	UG/L	U	U	
REG	2-Nitrophenol	5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	20	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U	
REG	4-Chloroaniline	5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U	
REG	4-Methylphenol	5	UG/L	U	U	
REG	4-Nitroaniline	20	UG/L	U	U	
REG	4-Nitrophenol	20	UG/L	U	U	
REG	4-chloro-3-methylphenol	5	UG/L	U	U	
REG	Acenaphthene	5	UG/L	U	U	
REG	Acenaphthylene	5	UG/L	U	U	
REG	Anthracene	5	UG/L	U	U	
REG	Benzo(a)anthracene	5	UG/L	U	U	
REG	Benzo(a)pyrene	5	UG/L	U	U	
REG	Benzo(b)fluoranthene	5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	5	UG/L	U	U	
REG	Benzo(k)fluoranthene	5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	2	UG/L	J	J	
REG	Butyl Benzyl Phthalate	5	UG/L	U	U	
REG	Carbazole	5	UG/L	U	U	
REG	Chrysene	5	UG/L	U	U	
REG	Di-n-butyl Phthalate	5	UG/L	U	U	
REG	Di-n-octyl Phthalate	5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U	
REG	Dibenzofuran	5	UG/L	U	U	
REG	Diethyl Phthalate	5	UG/L	U	U	
REG	Dimethyl Phthalate	5	UG/L	U	U	
REG	Fluoranthene	5	UG/L	U	U	
REG	Fluorene	5	UG/L	U	U	
REG	Hexachlorobenzene	5	UG/L	U	U	
REG	Hexachlorobutadiene	5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	5	UG/L	U	U	
REG	Hexachloroethane	5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U	
REG	Isophorone	5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	5	UG/L	U	U	
REG	Naphthalene	5	UG/L	U	U	
REG	Pentachlorophenol	20	UG/L	U	U	
REG	Phenanthrene	5	UG/L	U	U	
REG	Phenol	5	UG/L	U	U	
REG	Pyrene	5	UG/L	U	U	

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane		5 UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane		5 UG/L	U	U	
REG	1,1,2-Trichloroethane		5 UG/L	U	U	
REG	1,1-Dichloroethane		5 UG/L	U	U	
REG	1,1-Dichloroethene		5 UG/L	U	U	
REG	1,2-Dichloroethane		5 UG/L	U	U	
REG	1,2-Dichloropropane		5 UG/L	U	U	
REG	1,2-cis-Dichloroethene		5 UG/L	U	U	
REG	1,2-trans-Dichloroethene		5 UG/L	U	U	
REG	1,3-cis-Dichloropropene		5 UG/L	U	U	
REG	1,3-trans-Dichloropropene		5 UG/L	U	U	
REG	2-Butanone		5 UG/L	U	U	
REG	2-Hexanone		5 UG/L	U	U	
REG	4-Methyl-2-pentanone		5 UG/L	U	U	
REG	Acetone		5 UG/L	U	R	C02,C04
REG	Benzene		5 UG/L	U	U	
REG	Bromodichloromethane		5 UG/L	U	U	
REG	Bromoform		5 UG/L	U	U	
REG	Bromomethane		5 UG/L	U	U	
REG	Carbon Disulfide		5 UG/L	U	U	
REG	Carbon Tetrachloride		5 UG/L	U	U	
REG	Chlorobenzene		5 UG/L	U	U	
REG	Chloroethane		5 UG/L	U	U	
REG	Chloroform		5 UG/L	U	U	
REG	Chloromethane		5 UG/L	U	U	
REG	Dibromochloromethane		5 UG/L	U	U	
REG	Ethylbenzene		5 UG/L	U	U	
REG	Methylene Chloride		7 UG/L	B	UJ	C02,C05,F01
REG	Styrene		5 UG/L	U	U	
REG	Tetrachloroethene		5 UG/L	U	U	
REG	Toluene		5 UG/L	U	U	
REG	Trichloroethene		5 UG/L	U	U	
REG	Vinyl Chloride		5 UG/L	U	U	
REG	Xylenes, Total		5 UG/L	U	U	
REG	o-Xylene		5 UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4wp-059 Well point at LL4 settling pond

Northing: 8413.00
Easting: 143599.00
Elevation:

LL4wp-059-0298-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/24/96

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	3.1	UG/L	B	J	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	28.3	UG/L	B	J	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	5.1	UG/L		=	
REG	Barium	36.1	UG/L		=	
REG	Beryllium	0.34	UG/L	B	J	
REG	Cadmium	0.5	UG/L	U	U	
REG	Calcium	176000	UG/L		=	
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	1.6	UG/L	B	J	
REG	Copper	0.6	UG/L	U	U	
REG	Iron	10600	UG/L		=	
REG	Lead	1.9	UG/L	B	J	
REG	Magnesium	50400	UG/L		=	
REG	Manganese	1790	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	3.9	UG/L	B	J	
REG	Potassium	1360	UG/L	B	J	
REG	Selenium	2.8	UG/L	U	U	
REG	Silver	1.2	UG/L	U	U	
REG	Sodium	7780	UG/L		=	
REG	Thallium	0.9	UG/L	U	U	
REG	Vanadium	0.5	UG/L	U	U	
REG	Zinc	14.2	UG/L	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	P02
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.08	UG/L	U	UJ	C08
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	
REG	Beta-BHC	0.04	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	U	U	
REG	Dieldrin	0.08	UG/L	U	UJ	C08
REG	Endosulfan I	0.04	UG/L	U	UJ	C08
REG	Endosulfan II	0.08	UG/L	U	U	
REG	Endosulfan Sulfate	0.08	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4wp-059 Well point at LL4 settling pond

Northing: 8413.00
Easting: 143599.00
Elevation:

LL4wp-059-0298-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/24/96

Field Measurements		Air Temperature	75	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Endrin	0.08	UG/L	U	U			
REG	Endrin Aldehyde	0.08	UG/L	U	UJ	C08		
REG	Endrin Ketone	0.08	UG/L	U	U			
REG	Gamma Chlordane	0.04	UG/L	U	U			
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U			
REG	Heptachlor	0.04	UG/L	U	U			
REG	Heptachlor Epoxide	0.04	UG/L	U	U			
REG	Methoxychlor	0.38	UG/L	U	U			
REG	Toxaphene	2.5	UG/L	U	U			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,1,1-Trichloroethane	5	UG/L	U	U			
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U			
REG	1,1,2-Trichloroethane	5	UG/L	U	U			
REG	1,1-Dichloroethane	5	UG/L	U	U			
REG	1,1-Dichloroethene	5	UG/L	U	U			
REG	1,2-Dichloroethane	5	UG/L	U	U			
REG	1,2-Dichloropropane	5	UG/L	U	U			
REG	1,2-cis-Dichloroethene	5	UG/L	U	U			
REG	1,2-trans-Dichloroethene	5	UG/L	U	U			
REG	1,3-cis-Dichloropropene	5	UG/L	U	U			
REG	1,3-trans-Dichloropropene	5	UG/L	U	U			
REG	2-Butanone	5	UG/L	U	R	C01		
REG	2-Hexanone	5	UG/L	U	U			
REG	4-Methyl-2-pentanone	5	UG/L	U	U			
REG	Acetone	5	UG/L	U	R	C01		
REG	Benzene	5	UG/L	U	U			
REG	Bromodichloromethane	5	UG/L	U	U			
REG	Bromoform	5	UG/L	U	U			
REG	Bromomethane	5	UG/L	U	U			
REG	Carbon Disulfide	5	UG/L	U	U			
REG	Carbon Tetrachloride	5	UG/L	U	U			
REG	Chlorobenzene	5	UG/L	U	U			
REG	Chloroethane	5	UG/L	U	U			
REG	Chloroform	5	UG/L	U	U			
REG	Chloromethane	5	UG/L	U	U			
REG	Dibromochloromethane	5	UG/L	U	U			
REG	Ethylbenzene	5	UG/L	U	U			
REG	Methylene Chloride	3	UG/L	JB	UJ	C02,F01,F06		
REG	Styrene	5	UG/L	U	U			
REG	Tetrachloroethene	5	UG/L	U	U			
REG	Toluene	5	UG/L	U	U			
REG	Trichloroethene	5	UG/L	U	U			
REG	Vinyl Chloride	5	UG/L	U	U			
REG	Xylenes, Total	5	UG/L	U	U			
REG	o-Xylene	5	UG/L	U	U			

Location: Load Line 4
Station : LL4wp-060 Well point at LL4 settling pond

Northing: 8000.00
Easting: 143699.00
Elevation:

LL4wp-060-0299-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/23/96

Field Measurements		Air Temperature	75	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Cyanide	7.7	UG/L	B	J			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4wp-060 Well point at LL4 settling pond

Northing: 8000.00
 Easting: 143699.00
 Elevation:

LL4wp-060-0299-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/23/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	271	UG/L		=		
REG	Antimony	2.1	UG/L	U	U		
REG	Arsenic	11.8	UG/L		=		
REG	Barium	36.4	UG/L		=		
REG	Beryllium	0.33	UG/L	B	J		
REG	Cadmium	0.5	UG/L	U	U		
REG	Calcium	44600	UG/L		=		
REG	Chromium	0.8	UG/L	U	U		
REG	Cobalt	1	UG/L	B	J		
REG	Copper	0.6	UG/L	U	=		
REG	Iron	29600	UG/L		=		
REG	Lead	1.7	UG/L	U	U		
REG	Magnesium	22800	UG/L		=		
REG	Manganese	2670	UG/L		=		
REG	Mercury	0.1	UG/L	U	U		
REG	Nickel	3.2	UG/L	B	J		
REG	Potassium	1280	UG/L	B	J		
REG	Selenium	2.8	UG/L	U	U		
REG	Silver	1.2	UG/L	U	U		
REG	Sodium	7540	UG/L		=		
REG	Thallium	0.9	UG/L	U	U		
REG	Vanadium	0.67	UG/L	B	J		
REG	Zinc	10.1	UG/L	B	J		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U		
REG	1,3-Dinitrobenzene	3	UG/L	U	U		
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	P02	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U		
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U		
REG	2-Nitrotoluene	10	UG/L	U	U		
REG	3-Nitrotoluene	10	UG/L	U	U		
REG	4-Nitrotoluene	10	UG/L	U	U		
REG	HMX	20	UG/L	U	U		
REG	Nitrobenzene	10	UG/L	U	U		
REG	RDX	20	UG/L	U	U		
REG	Tetryl	50	UG/L	U	UJ	C08	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.16	UG/L	U	UJ	C08	
REG	4,4'-DDE	0.16	UG/L	U	U		
REG	4,4'-DDT	0.16	UG/L	U	U		
REG	Aldrin	0.08	UG/L	U	U		
REG	Alpha Chlordane	0.08	UG/L	U	U		
REG	Alpha-BHC	0.08	UG/L	U	U		
REG	Aroclor-1016	2	UG/L	U	U		
REG	Aroclor-1221	2	UG/L	U	U		
REG	Aroclor-1232	2	UG/L	U	U		
REG	Aroclor-1242	2	UG/L	U	U		
REG	Aroclor-1248	2	UG/L	U	U		
REG	Aroclor-1254	4	UG/L	U	U		
REG	Aroclor-1260	4	UG/L	U	U		
REG	Beta-BHC	0.08	UG/L	U	U		
REG	Delta-BHC	0.08	UG/L	U	U		
REG	Dieldrin	0.16	UG/L	U	U		
REG	Endosulfan I	0.08	UG/L	U	U		
REG	Endosulfan II	0.16	UG/L	U	U		
REG	Endosulfan Sulfate	0.16	UG/L	U	U		
REG	Endrin	0.16	UG/L	U	U		
REG	Endrin Aldehyde	0.16	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4wp-060 Well point at LL4 settling pond

Northing: 8000.00
 Easting: 143699.00
 Elevation:

LL4wp-060-0299-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/23/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Endrin Ketone	0.16	UG/L	U	U			
REG	Gamma Chlordane	0.08	UG/L	U	U			
REG	Gamma-BHC (Lindane)	0.08	UG/L	U	U			
REG	Heptachlor	0.08	UG/L	U	U			
REG	Heptachlor Epoxide	0.08	UG/L	U	U			
REG	Methoxychlor	0.76	UG/L	U	U			
REG	Toxaphene	5	UG/L	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	12	UG/L	U	U			
REG	1,2-Dichlorobenzene	12	UG/L	U	U			
REG	1,3-Dichlorobenzene	12	UG/L	U	U			
REG	1,4-Dichlorobenzene	12	UG/L	U	U			
REG	2,2'-oxybis (1-chloropropane)	12	UG/L	U	U			
REG	2,4,5-Trichlorophenol	50	UG/L	U	U			
REG	2,4,6-Trichlorophenol	12	UG/L	U	U			
REG	2,4-Dichlorophenol	12	UG/L	U	U			
REG	2,4-Dimethylphenol	12	UG/L	U	U			
REG	2,4-Dinitrophenol	50	UG/L	U	U			
REG	2-Chloronaphthalene	12	UG/L	U	U			
REG	2-Chlorophenol	12	UG/L	U	U			
REG	2-Methylnaphthalene	12	UG/L	U	U			
REG	2-Methylphenol	12	UG/L	U	U			
REG	2-Nitroaniline	50	UG/L	U	U			
REG	2-Nitrophenol	12	UG/L	U	U			
REG	3,3'-Dichlorobenzidine	25	UG/L	U	U			
REG	3-Nitroaniline	50	UG/L	U	U			
REG	4,6-Dinitro-o-Cresol	50	UG/L	U	U			
REG	4-Bromophenyl-phenyl Ether	12	UG/L	U	U			
REG	4-Chloroaniline	12	UG/L	U	U			
REG	4-Chlorophenyl-phenylether	12	UG/L	U	U			
REG	4-Methylphenol	12	UG/L	U	U			
REG	4-Nitroaniline	50	UG/L	U	U			
REG	4-Nitrophenol	50	UG/L	U	U			
REG	4-chloro-3-methylphenol	12	UG/L	U	U			
REG	Acenaphthene	12	UG/L	U	U			
REG	Acenaphthylene	12	UG/L	U	U			
REG	Anthracene	12	UG/L	U	U			
REG	Benzo(a)anthracene	12	UG/L	U	U			
REG	Benzo(a)pyrene	12	UG/L	U	U			
REG	Benzo(b)fluoranthene	12	UG/L	U	U			
REG	Benzo(g,h,i)perylene	12	UG/L	U	U			
REG	Benzo(k)fluoranthene	12	UG/L	U	U			
REG	Bis(2-chloroethoxy)methane	12	UG/L	U	U			
REG	Bis(2-chloroethyl)ether	12	UG/L	U	U			
REG	Bis(2-ethylhexyl)phthalate	12	UG/L	JB	U	F01,F06		
REG	Butyl Benzyl Phthalate	12	UG/L	U	U			
REG	Carbazole	12	UG/L	U	U			
REG	Chrysene	12	UG/L	U	U			
REG	Di-n-butyl Phthalate	12	UG/L	U	U			
REG	Di-n-octyl Phthalate	12	UG/L	U	U			
REG	Dibenzo(a,h)anthracene	12	UG/L	U	U			
REG	Dibenzofuran	12	UG/L	U	U			
REG	Diethyl Phthalate	12	UG/L	U	U			
REG	Dimethyl Phthalate	12	UG/L	U	U			
REG	Fluoranthene	12	UG/L	U	U			
REG	Fluorene	12	UG/L	U	U			
REG	Hexachlorobenzene	12	UG/L	U	U			
REG	Hexachlorobutadiene	12	UG/L	U	U			
REG	Hexachlorocyclopentadiene	12	UG/L	U	U			
REG	Hexachloroethane	12	UG/L	U	U			
REG	Indeno(1,2,3-cd)pyrene	12	UG/L	U	U			

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4wp-060 Well point at LL4 settling pond

Northing: 8000.00
Easting: 143699.00
Elevation:

LL4wp-060-0299-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/23/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Isophorone	12	UG/L	U	U		
REG	N-Nitroso-di-n-propylamine	12	UG/L	U	U		
REG	N-Nitrosodiphenylamine	12	UG/L	U	U		
REG	Naphthalene	12	UG/L	U	U		
REG	Pentachlorophenol	50	UG/L	U	U		
REG	Phenanthrene	12	UG/L	U	U		
REG	Phenol	12	UG/L	U	U		
REG	Pyrene	12	UG/L	U	U		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	5	UG/L	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U		
REG	1,1,2-Trichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	R		C01
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	5	UG/L	U	R		C01,C02
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	5	UG/L	U	UJ		C02
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

Location: Load Line 4
Station : LL4wp-061 Well point at LL4 settling pond

Northing: 8064.00
Easting: 143750.00
Elevation:

LL4wp-061-0300-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/24/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	2.7	UG/L	B	J		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	23.7	UG/L	B	J		

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4wp-061 Well point at LL4 settling pond

Northing: 8064.00
Easting: 143750.00
Elevation:

LL4wp-061-0300-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/24/96

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	12	UG/L	=	=	
REG	Barium	80	UG/L	=	=	
REG	Beryllium	0.34	UG/L	B	J	
REG	Cadmium	0.5	UG/L	U	U	
REG	Calcium	65000	UG/L	=	=	
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	0.9	UG/L	U	U	
REG	Copper	0.6	UG/L	U	U	
REG	Iron	1910	UG/L	=	=	
REG	Lead	1.7	UG/L	U	U	
REG	Magnesium	18500	UG/L	=	=	
REG	Manganese	183	UG/L	=	=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	0.85	UG/L	B	J	
REG	Potassium	1390	UG/L	B	J	
REG	Selenium	2.8	UG/L	U	U	
REG	Silver	1.2	UG/L	U	U	
REG	Sodium	7310	UG/L	=	=	
REG	Thallium	0.9	UG/L	U	U	
REG	Vanadium	0.5	UG/L	U	U	
REG	Zinc	5.3	UG/L	U	U	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	P02
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.08	UG/L	U	UJ	C08
REG	4,4'-DDE	0.08	UG/L	U	U	
REG	4,4'-DDT	0.08	UG/L	U	U	
REG	Aldrin	0.04	UG/L	U	U	
REG	Alpha Chlordane	0.04	UG/L	U	U	
REG	Alpha-BHC	0.04	UG/L	U	U	
REG	Aroclor-1016	1	UG/L	U	U	
REG	Aroclor-1221	1	UG/L	U	U	
REG	Aroclor-1232	1	UG/L	U	U	
REG	Aroclor-1242	1	UG/L	U	U	
REG	Aroclor-1248	1	UG/L	U	U	
REG	Aroclor-1254	2	UG/L	U	U	
REG	Aroclor-1260	2	UG/L	U	U	
REG	Beta-BHC	0.04	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	U	U	
REG	Dieldrin	0.08	UG/L	U	UJ	C08
REG	Endosulfan I	0.04	UG/L	U	UJ	C08
REG	Endosulfan II	0.08	UG/L	U	U	
REG	Endosulfan Sulfate	0.08	UG/L	U	U	
REG	Endrin	0.08	UG/L	U	U	
REG	Endrin Aldehyde	0.08	UG/L	U	UJ	C08
REG	Endrin Ketone	0.08	UG/L	U	U	
REG	Gamma Chlordane	0.04	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4wp-061 Well point at LL4 settling pond

Northing: 8064.00
 Easting: 143750.00
 Elevation:

LL4wp-061-0300-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/24/96

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Heptachlor	0.04	UG/L	U	U	
REG	Heptachlor Epoxide	0.04	UG/L	U	U	
REG	Methoxychlor	0.38	UG/L	U	U	
REG	Toxaphene	2.5	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U	
REG	1,2-Dichlorobenzene	5	UG/L	U	U	
REG	1,3-Dichlorobenzene	5	UG/L	U	U	
REG	1,4-Dichlorobenzene	5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	20	UG/L	U	U	
REG	2,4,6-Trichlorophenol	5	UG/L	U	U	
REG	2,4-Dichlorophenol	5	UG/L	U	U	
REG	2,4-Dimethylphenol	5	UG/L	U	U	
REG	2,4-Dinitrophenol	20	UG/L	U	U	
REG	2-Chloronaphthalene	5	UG/L	U	U	
REG	2-Chlorophenol	5	UG/L	U	U	
REG	2-Methylnaphthalene	5	UG/L	U	U	
REG	2-Methylphenol	5	UG/L	U	U	
REG	2-Nitroaniline	20	UG/L	U	U	
REG	2-Nitrophenol	5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	20	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U	
REG	4-Chloroaniline	5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U	
REG	4-Methylphenol	5	UG/L	U	U	
REG	4-Nitroaniline	20	UG/L	U	U	
REG	4-Nitrophenol	20	UG/L	U	U	
REG	4-chloro-3-methylphenol	5	UG/L	U	U	
REG	Acenaphthene	5	UG/L	U	U	
REG	Acenaphthylene	5	UG/L	U	U	
REG	Anthracene	5	UG/L	U	U	
REG	Benzo(a)anthracene	5	UG/L	U	U	
REG	Benzo(a)pyrene	5	UG/L	U	U	
REG	Benzo(b)fluoranthene	5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	5	UG/L	U	U	
REG	Benzo(k)fluoranthene	5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	U	U	
REG	Butyl Benzyl Phthalate	5	UG/L	U	U	
REG	Carbazole	5	UG/L	U	U	
REG	Chrysene	5	UG/L	U	U	
REG	Di-n-butyl Phthalate	5	UG/L	U	U	
REG	Di-n-octyl Phthalate	5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U	
REG	Dibenzofuran	5	UG/L	U	U	
REG	Diethyl Phthalate	5	UG/L	U	U	
REG	Dimethyl Phthalate	5	UG/L	U	U	
REG	Fluoranthene	5	UG/L	U	U	
REG	Fluorene	5	UG/L	U	U	
REG	Hexachlorobenzene	5	UG/L	U	U	
REG	Hexachlorobutadiene	5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	5	UG/L	U	U	
REG	Hexachloroethane	5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	U	
REG	Isophorone	5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	5	UG/L	U	U	
REG	Naphthalene	5	UG/L	U	U	
REG	Pentachlorophenol	20	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4wp-061 Well point at LL4 settling pond

Northing: 8064.00
 Easting: 143750.00
 Elevation:

LL4wp-061-0300-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/24/96

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Phenanthrene	5	UG/L	U	U	
REG	Phenol	5	UG/L	U	U	
REG	Pyrene	5	UG/L	U	U	
Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	R	C01
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	UJ	C02
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1wp-069 LL1

Northing: 13746.00
Easting: 158547.00
Elevation:

LL1wp-069-0441-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/29/96

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	2	UG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	91.4	UG/L	B	J	F06
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	8.4	UG/L		=	
REG	Barium	36.7	UG/L		=	
REG	Beryllium	0.3	UG/L	U	U	
REG	Cadmium	0.5	UG/L	U	U	
REG	Calcium	196000	UG/L		=	
REG	Chromium	0.8	UG/L	U	U	
REG	Cobalt	1.8	UG/L	B	J	F06
REG	Copper	1.2	UG/L	B	J	F06
REG	Iron	70.1	UG/L	B	J	F06
REG	Lead	1.7	UG/L	U	U	
REG	Magnesium	80700	UG/L		=	
REG	Manganese	431	UG/L		=	
REG	Mercury	0.1	UG/L	B	J	F06
REG	Nickel	5.9	UG/L	B	J	F06
REG	Potassium	5090	UG/L		=	
REG	Selenium	2.8	UG/L	U	U	
REG	Silver	1.2	UG/L	U	U	
REG	Sodium	18100	UG/L		=	
REG	Thallium	0.9	UG/L	U	U	
REG	Vanadium	0.5	UG/L	U	U	
REG	Zinc	19.9	UG/L	B	U	F01

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	UJ	P01

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	R	C01
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1wp-069 LL1

Northing: 13746.00
Easting: 158547.00
Elevation:

LL1wp-069-0441-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/29/96

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	10	UG/L	UJ	UJ	C02,C05,F04
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12wp-057 Well point at LL12 settling pond

Northing: 11124.00
 Easting: 146683.00
 Elevation:

L12wp-057-0371-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/28/96

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	R	C01
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	25	UG/L		J	C02,C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	5	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	5	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	13	UG/L		J	C02,C05
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	5	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
REG	o-Xylene	5	UG/L	U	U	

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
Station: CPCwp-011 Upper Cobbs Pond

Northing: 15996.00
Easting: 146251.00
Elevation:

CPCwp-011-0221-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/25/96

Field Measurements		Air Temperature	80	DEG F			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	3.8	UG/L	B	J	F06	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	11	UG/L	U	U		
REG	Antimony	3	UG/L	U	U		
REG	Arsenic	15	UG/L	=	=		
REG	Barium	36	UG/L	=	=		
REG	Beryllium	0.35	UG/L	B	J	F06	
REG	Cadmium	0.4	UG/L	U	U		
REG	Calcium	67400	UG/L	=	=		
REG	Chromium	0.8	UG/L	U	U		
REG	Cobalt	1.1	UG/L	B	U		
REG	Copper	3.8	UG/L	U	U		
REG	Iron	8760	UG/L	=	=		
REG	Lead	1.4	UG/L	U	U		
REG	Magnesium	6690	UG/L	=	=		
REG	Manganese	798	UG/L	=	=		
REG	Mercury	0.2	UG/L	U	U		
REG	Nickel	1.4	UG/L	B	J	F06	
REG	Potassium	3260	UG/L	B	J	F06	
REG	Selenium	3	UG/L	U	U		
REG	Silver	1.9	UG/L	U	U		
REG	Sodium	48000	UG/L	E	J	E07	
REG	Thallium	0.9	UG/L	U	U		
REG	Vanadium	0.4	UG/L	U	U		
REG	Zinc	7.9	UG/L	U	U		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U		
REG	1,3-Dinitrobenzene	3	UG/L	U	U		
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U		
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U		
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U		
REG	2-Nitrotoluene	10	UG/L	U	U		
REG	3-Nitrotoluene	10	UG/L	U	U		
REG	4-Nitrotoluene	10	UG/L	U	U		
REG	HMX	20	UG/L	U	U		
REG	Nitrobenzene	10	UG/L	U	U		
REG	RDX	20	UG/L	U	U		
REG	Tetryl	50	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.08	UG/L	U	UJ	C08	
REG	4,4'-DDE	0.08	UG/L	U	U		
REG	4,4'-DDT	0.08	UG/L	U	U		
REG	Aldrin	0.04	UG/L	U	U		
REG	Alpha Chlordane	0.04	UG/L	U	U		
REG	Alpha-BHC	0.04	UG/L	U	U		
REG	Aroclor-1016	1	UG/L	U	U		
REG	Aroclor-1221	1	UG/L	U	U		
REG	Aroclor-1232	1	UG/L	U	U		
REG	Aroclor-1242	1	UG/L	U	U		
REG	Aroclor-1248	1	UG/L	U	U		
REG	Aroclor-1254	2	UG/L	U	U		
REG	Aroclor-1260	2	UG/L	U	U		
REG	Beta-BHC	0.04	UG/L	U	U		
REG	Delta-BHC	0.04	UG/L	U	U		
REG	Dieldrin	0.08	UG/L	U	U		
REG	Endosulfan I	0.04	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCwp-011 Upper Cobbs Pond

Northing: 15996.00
 Easting: 146251.00
 Elevation:

CPCwp-011-0221-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/25/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Endosulfan II	0.08	UG/L	U	U			
REG	Endosulfan Sulfate	0.08	UG/L	U	U			
REG	Endrin	0.08	UG/L	U	U			
REG	Endrin Aldehyde	0.08	UG/L	U	UJ	C08		
REG	Endrin Ketone	0.08	UG/L	U	U			
REG	Gamma Chlordane	0.04	UG/L	U	U			
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U			
REG	Heptachlor	0.04	UG/L	U	U			
REG	Heptachlor Epoxide	0.04	UG/L	U	U			
REG	Methoxychlor	0.38	UG/L	U	U			
REG	Toxaphene	2.5	UG/L	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	5	UG/L	U	U			
REG	1,2-Dichlorobenzene	5	UG/L	U	U			
REG	1,3-Dichlorobenzene	5	UG/L	U	U			
REG	1,4-Dichlorobenzene	5	UG/L	U	U			
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	U			
REG	2,4,5-Trichlorophenol	20	UG/L	U	U			
REG	2,4,6-Trichlorophenol	5	UG/L	U	U			
REG	2,4-Dichlorophenol	5	UG/L	U	U			
REG	2,4-Dimethylphenol	5	UG/L	U	U			
REG	2,4-Dinitrophenol	20	UG/L	U	U			
REG	2-Chloronaphthalene	5	UG/L	U	U			
REG	2-Chlorophenol	5	UG/L	U	U			
REG	2-Methylnaphthalene	5	UG/L	U	U			
REG	2-Methylphenol	5	UG/L	U	U			
REG	2-Nitroaniline	20	UG/L	U	U			
REG	2-Nitrophenol	5	UG/L	U	U			
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U			
REG	3-Nitroaniline	20	UG/L	U	U			
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U			
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	U			
REG	4-Chloroaniline	5	UG/L	U	U			
REG	4-Chlorophenyl-phenylether	5	UG/L	U	U			
REG	4-Methylphenol	5	UG/L	U	U			
REG	4-Nitroaniline	20	UG/L	U	U			
REG	4-Nitrophenol	20	UG/L	U	U			
REG	4-chloro-3-methylphenol	5	UG/L	U	U			
REG	Acenaphthene	5	UG/L	U	U			
REG	Acenaphthylene	5	UG/L	U	U			
REG	Anthracene	5	UG/L	U	U			
REG	Benzo(a)anthracene	5	UG/L	U	U			
REG	Benzo(a)pyrene	5	UG/L	U	U			
REG	Benzo(b)fluoranthene	5	UG/L	U	U			
REG	Benzo(g,h,i)perylene	5	UG/L	U	U			
REG	Benzo(k)fluoranthene	5	UG/L	U	U			
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	U			
REG	Bis(2-chloroethyl)ether	5	UG/L	U	U			
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	JB	U	F01,F06		
REG	Butyl Benzyl Phthalate	5	UG/L	U	U			
REG	Carbazole	5	UG/L	U	U			
REG	Chrysene	5	UG/L	U	U			
REG	Di-n-butyl Phthalate	5	UG/L	U	U			
REG	Di-n-octyl Phthalate	5	UG/L	U	U			
REG	Dibenzo(a,h)anthracene	5	UG/L	U	U			
REG	Dibenzofuran	5	UG/L	U	U			
REG	Diethyl Phthalate	5	UG/L	U	U			
REG	Dimethyl Phthalate	5	UG/L	U	U			
REG	Fluoranthene	5	UG/L	U	U			
REG	Fluorene	5	UG/L	U	U			
REG	Hexachlorobenzene	5	UG/L	U	U			

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
Station: CPCwp-011 Upper Cobbs Pond

Northing: 15996.00
Easting: 146251.00
Elevation:

CPCwp-011-0221-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/25/96

Field Measurements		Air Temperature	80	DEG F		
		Organic Vapor	0.0	PPM		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Hexachlorobutadiene		5 UG/L	U	U	
REG	Hexachlorocyclopentadiene		5 UG/L	U	U	
REG	Hexachloroethane		5 UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene		5 UG/L	U	U	
REG	Isophorone		5 UG/L	U	U	
REG	N-Nitroso-di-n-propylamine		5 UG/L	U	U	
REG	N-Nitrosodiphenylamine		5 UG/L	U	U	
REG	Naphthalene		5 UG/L	U	U	
REG	Pentachlorophenol		20 UG/L	U	U	
REG	Phenanthrene		5 UG/L	U	U	
REG	Phenol		5 UG/L	U	U	
REG	Pyrene		5 UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane		5 UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane		5 UG/L	U	U	
REG	1,1,2-Trichloroethane		5 UG/L	U	U	
REG	1,1-Dichloroethane		5 UG/L	U	U	
REG	1,1-Dichloroethene		5 UG/L	U	U	
REG	1,2-Dichloroethane		5 UG/L	U	U	
REG	1,2-Dichloropropane		5 UG/L	U	U	
REG	1,2-cis-Dichloroethene		5 UG/L	U	U	
REG	1,2-trans-Dichloroethene		5 UG/L	U	U	
REG	1,3-cis-Dichloropropene		5 UG/L	U	U	
REG	1,3-trans-Dichloropropene		5 UG/L	U	U	
REG	2-Butanone		5 UG/L	U	R	C01
REG	2-Hexanone		5 UG/L	U	U	
REG	4-Methyl-2-pentanone		5 UG/L	U	U	
REG	Acetone		5 UG/L	U	R	C01,C02
REG	Benzene		5 UG/L	U	U	
REG	Bromodichloromethane		5 UG/L	U	U	
REG	Bromoform		5 UG/L	U	U	
REG	Bromomethane		5 UG/L	U	U	
REG	Carbon Disulfide		5 UG/L	U	U	
REG	Carbon Tetrachloride		5 UG/L	U	U	
REG	Chlorobenzene		5 UG/L	U	U	
REG	Chloroethane		5 UG/L	U	U	
REG	Chloroform		5 UG/L	U	U	
REG	Chloromethane		5 UG/L	U	U	
REG	Dibromochloromethane		5 UG/L	U	U	
REG	Ethylbenzene		5 UG/L	U	U	
REG	Methylene Chloride		5 UG/L	U	UJ	C02
REG	Styrene		5 UG/L	U	U	
REG	Tetrachloroethene		5 UG/L	U	U	
REG	Toluene		5 UG/L	U	U	
REG	Trichloroethene		5 UG/L	U	U	
REG	Vinyl Chloride		5 UG/L	U	U	
REG	Xylenes, Total		5 UG/L	U	U	
REG	o-Xylene		5 UG/L	U	U	

CPCwp-011-0224-FD

Field Sample Type: Field Duplicate Matrix: Well Point

Collected: 07/25/96

Field Measurements		Air Temperature	80	DEG F		
		Organic Vapor	0.0	PPM		
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide		2 UG/L	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum		11 UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCwp-011 Upper Cobbs Pond

Northing: 15996.00
 Easting: 146251.00
 Elevation:

CPCwp-011-0224-FD

Field Sample Type: Field Duplicate

Matrix: Well Point

Collected: 07/25/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Antimony		3 UG/L	U	U		
REG	Arsenic		17.3 UG/L	=	=		
REG	Barium		35 UG/L	=	=		
REG	Beryllium		0.34 UG/L	B	J	F06	
REG	Cadmium		0.4 UG/L	U	U		
REG	Calcium		67200 UG/L	=	=		
REG	Chromium		0.8 UG/L	U	U		
REG	Cobalt		1.1 UG/L	B	U		
REG	Copper		3.8 UG/L	U	U		
REG	Iron		8580 UG/L	=	=		
REG	Lead		1.4 UG/L	U	U		
REG	Magnesium		6680 UG/L	=	=		
REG	Manganese		795 UG/L	=	=		
REG	Mercury		0.2 UG/L	U	U		
REG	Nickel		1.1 UG/L	U	U		
REG	Potassium		3230 UG/L	B	J	F06	
REG	Selenium		3 UG/L	U	U		
REG	Silver		1.9 UG/L	U	U		
REG	Sodium		47700 UG/L	E	J	E07	
REG	Thallium		0.9 UG/L	U	U		
REG	Vanadium		0.4 UG/L	U	U		
REG	Zinc		7.9 UG/L	U	U		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3,5-Trinitrobenzene		2 UG/L	U	U		
REG	1,3-Dinitrobenzene		3 UG/L	U	U		
REG	2,4,6-Trinitrotoluene		3 UG/L	U	U		
REG	2,4-Dinitrotoluene		0.1 UG/L	U	U		
REG	2,6-Dinitrotoluene		0.1 UG/L	U	U		
REG	2-Nitrotoluene		10 UG/L	U	U		
REG	3-Nitrotoluene		10 UG/L	U	U		
REG	4-Nitrotoluene		10 UG/L	U	U		
REG	HMX		20 UG/L	U	U		
REG	Nitrobenzene		10 UG/L	U	U		
REG	RDX		20 UG/L	U	U		
REG	Tetryl		50 UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD		0.08 UG/L	U	UJ	C08	
REG	4,4'-DDE		0.08 UG/L	U	U		
REG	4,4'-DDT		0.08 UG/L	U	U		
REG	Aldrin		0.04 UG/L	U	U		
REG	Alpha Chlordane		0.04 UG/L	U	U		
REG	Alpha-BHC		0.04 UG/L	U	U		
REG	Aroclor-1016		1 UG/L	U	U		
REG	Aroclor-1221		1 UG/L	U	U		
REG	Aroclor-1232		1 UG/L	U	U		
REG	Aroclor-1242		1 UG/L	U	U		
REG	Aroclor-1248		1 UG/L	U	U		
REG	Aroclor-1254		2 UG/L	U	U		
REG	Aroclor-1260		2 UG/L	U	U		
REG	Beta-BHC		0.04 UG/L	U	U		
REG	Delta-BHC		0.04 UG/L	U	U		
REG	Dieldrin		0.08 UG/L	U	U		
REG	Endosulfan I		0.04 UG/L	U	U		
REG	Endosulfan II		0.08 UG/L	U	U		
REG	Endosulfan Sulfate		0.08 UG/L	U	U		
REG	Endrin		0.08 UG/L	U	U		
REG	Endrin Aldehyde		0.08 UG/L	U	UJ	C08	
REG	Endrin Ketone		0.08 UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station: CPCwp-011 Upper Cobbs Pond

Northing: 15996.00
 Easting: 146251.00
 Elevation:

CPCwp-011-0224-FD

Field Sample Type: Field Duplicate

Matrix: Well Point

Collected: 07/25/96

Field Measurements		Air Temperature	80	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Gamma Chlordane	0.04	UG/L	U	U			
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U			
REG	Heptachlor	0.04	UG/L	U	U			
REG	Heptachlor Epoxide	0.04	UG/L	U	U			
REG	Methoxychlor	0.38	UG/L	U	U			
REG	Toxaphene	2.5	UG/L	U	U			

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,2,4-Trichlorobenzene	5	UG/L	U	R	G03		
REG	1,2-Dichlorobenzene	5	UG/L	U	R	G03		
REG	1,3-Dichlorobenzene	5	UG/L	U	R	G03		
REG	1,4-Dichlorobenzene	5	UG/L	U	R	G03		
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	R	G03		
REG	2,4,5-Trichlorophenol	20	UG/L	U	R	G03		
REG	2,4,6-Trichlorophenol	5	UG/L	U	R	G03		
REG	2,4-Dichlorophenol	5	UG/L	U	R	G03		
REG	2,4-Dimethylphenol	5	UG/L	U	R	G03		
REG	2,4-Dinitrophenol	20	UG/L	U	R	G03		
REG	2-Chloronaphthalene	5	UG/L	U	R	G03		
REG	2-Chlorophenol	5	UG/L	U	R	G03		
REG	2-Methylnaphthalene	5	UG/L	U	R	G03		
REG	2-Methylphenol	5	UG/L	U	R	G03		
REG	2-Nitroaniline	20	UG/L	U	R	G03		
REG	2-Nitrophenol	5	UG/L	U	R	G03		
REG	3,3'-Dichlorobenzidine	10	UG/L	U	R	G03		
REG	3-Nitroaniline	20	UG/L	U	R	G03		
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	R	G03		
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	R	G03		
REG	4-Chloroaniline	5	UG/L	U	R	G03		
REG	4-Chlorophenyl-phenylether	5	UG/L	U	R	G03		
REG	4-Methylphenol	5	UG/L	U	R	G03		
REG	4-Nitroaniline	20	UG/L	U	R	G03		
REG	4-Nitrophenol	20	UG/L	U	R	G03		
REG	4-chloro-3-methylphenol	5	UG/L	U	R	G03		
REG	Acenaphthene	5	UG/L	U	R	G03		
REG	Acenaphthylene	5	UG/L	U	R	G03		
REG	Anthracene	5	UG/L	U	R	G03		
REG	Benzo(a)anthracene	5	UG/L	U	R	G03		
REG	Benzo(a)pyrene	5	UG/L	U	R	G03		
REG	Benzo(b)fluoranthene	5	UG/L	U	R	G03		
REG	Benzo(g,h,i)perylene	5	UG/L	U	R	G03		
REG	Benzo(k)fluoranthene	5	UG/L	U	R	G03		
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	R	G03		
REG	Bis(2-chloroethyl)ether	5	UG/L	U	R	G03		
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	JB	U	F01,F06,G03		
REG	Butyl Benzyl Phthalate	5	UG/L	U	R	G03		
REG	Carbazole	5	UG/L	U	R	G03		
REG	Chrysene	5	UG/L	U	R	G03		
REG	Di-n-butyl Phthalate	5	UG/L	U	R	G03		
REG	Di-n-octyl Phthalate	5	UG/L	U	R	G03		
REG	Dibenzo(a,h)anthracene	5	UG/L	U	R	G03		
REG	Dibenzofuran	5	UG/L	U	R	G03		
REG	Diethyl Phthalate	5	UG/L	U	R	G03		
REG	Dimethyl Phthalate	5	UG/L	U	R	G03		
REG	Fluoranthene	1	UG/L	J	J	G03		
REG	Fluorene	5	UG/L	U	R	G03		
REG	Hexachlorobenzene	5	UG/L	U	R	G03		
REG	Hexachlorobutadiene	5	UG/L	U	R	G03		
REG	Hexachlorocyclopentadiene	5	UG/L	U	R	G03		
REG	Hexachloroethane	5	UG/L	U	R	G03		
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	R	G03		
REG	Isophorone	5	UG/L	U	R	G03		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCwp-011 Upper Cobbs Pond

Northing: 15996.00
 Easting: 146251.00
 Elevation:

CPCwp-011-0224-FD Field Sample Type: Field Duplicate Matrix: Well Point Collected: 07/25/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	R	G03	
REG	N-Nitrosodiphenylamine	5	UG/L	U	R	G03	
REG	Naphthalene	5	UG/L	U	R	G03	
REG	Pentachlorophenol	20	UG/L	U	R	G03	
REG	Phenanthrene	5	UG/L	U	R	G03	
REG	Phenol	5	UG/L	U	R	G03	
REG	Pyrene	5	UG/L	U	R	G03	
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	5	UG/L	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U		
REG	1,1,2-Trichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	R	C01	
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	5	UG/L	U	R	C01,C02	
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	5	UG/L	U	UJ	C02	
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

Location: Upper and Lower Cobbs Pond
 Station : CPCwp-012 Upper Cobbs Pond

Northing: 15385.00
 Easting: 146650.00
 Elevation:

CPCwp-012-0222-GW Field Sample Type: Grab Matrix: Well Point Collected: 07/28/96

Field Measurements		Air Temperature	80	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Cyanide	2	UG/L	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Aluminum	21	UG/L	B	J	F06	
REG	Antimony	2.1	UG/L	U	U		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station: CPCwp-012 Upper Cobbs Pond

Northing: 15385.00
 Easting: 146650.00
 Elevation:

CPCwp-012-0222-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/28/96

Field Measurements		Air Temperature	70	DEG F				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Arsenic	2.8	UG/L	B	J	F06		
REG	Barium	81.7	UG/L	=				
REG	Beryllium	0.36	UG/L	B	J	F06		
REG	Cadmium	0.5	UG/L	U	U			
REG	Calcium	118000	UG/L	=				
REG	Chromium	0.8	UG/L	U	U			
REG	Cobalt	1.7	UG/L	B	U			
REG	Copper	0.6	UG/L	U	U			
REG	Iron	1200	UG/L	=				
REG	Lead	1.7	UG/L	U	U			
REG	Magnesium	40200	UG/L	=				
REG	Manganese	332	UG/L	=				
REG	Mercury	0.1	UG/L	U	U			
REG	Nickel	13.8	UG/L	B	J	F06		
REG	Potassium	1800	UG/L	B	J	F06		
REG	Selenium	2.8	UG/L	U	U			
REG	Silver	1.2	UG/L	U	U			
REG	Sodium	22300	UG/L	=				
REG	Thallium	0.9	UG/L	U	U			
REG	Vanadium	0.5	UG/L	U	U			
REG	Zinc	7.6	UG/L	B	J	F06		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U			
REG	1,3-Dinitrobenzene	3	UG/L	U	U			
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U			
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U			
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U			
REG	2-Nitrotoluene	10	UG/L	U	U			
REG	3-Nitrotoluene	10	UG/L	U	U			
REG	4-Nitrotoluene	10	UG/L	U	U			
REG	HMX	20	UG/L	U	U			
REG	Nitrobenzene	10	UG/L	U	U			
REG	RDX	20	UG/L	U	U			
REG	Tetryl	50	UG/L	U	U			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	4,4'-DDD	0.08	UG/L	U	UJ	C08		
REG	4,4'-DDE	0.08	UG/L	U	U			
REG	4,4'-DDT	0.08	UG/L	U	U			
REG	Aldrin	0.04	UG/L	U	U			
REG	Alpha Chlordane	0.04	UG/L	U	U			
REG	Alpha-BHC	0.04	UG/L	U	U			
REG	Aroclor-1016	1	UG/L	U	U			
REG	Aroclor-1221	1	UG/L	U	U			
REG	Aroclor-1232	1	UG/L	U	U			
REG	Aroclor-1242	1	UG/L	U	U			
REG	Aroclor-1248	1	UG/L	U	U			
REG	Aroclor-1254	2	UG/L	U	U			
REG	Aroclor-1260	2	UG/L	U	U			
REG	Beta-BHC	0.04	UG/L	U	U			
REG	Delta-BHC	0.04	UG/L	U	U			
REG	Dieldrin	0.08	UG/L	U	U			
REG	Endosulfan I	0.04	UG/L	U	U			
REG	Endosulfan II	0.08	UG/L	U	U			
REG	Endosulfan Sulfate	0.08	UG/L	U	U			
REG	Endrin	0.08	UG/L	U	U			
REG	Endrin Aldehyde	0.08	UG/L	U	U			
REG	Endrin Ketone	0.08	UG/L	U	U			
REG	Gamma Chlordane	0.04	UG/L	U	U			
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	U			

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCwp-012 Upper Cobbs Pond

Northing: 15385.00
 Easting: 146650.00
 Elevation:

CPCwp-012-0222-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/28/96

Field Measurements		Air Temperature	70	DEG F		Qualifiers		Validation
Sample Type	Pesticides and/or PCBs	Result	Units	Lab	Data	Lab	Data	Code
REG	Heptachlor	0.04	UG/L	U	U			
REG	Heptachlor Epoxide	0.04	UG/L	U	U			
REG	Methoxychlor	0.38	UG/L	U	UJ			C08
REG	Toxaphene	2.5	UG/L	U	U			
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation		Code
REG	1,2,4-Trichlorobenzene	5	UG/L	U	UJ			G02
REG	1,2-Dichlorobenzene	5	UG/L	U	UJ			G02
REG	1,3-Dichlorobenzene	5	UG/L	U	UJ			G02
REG	1,4-Dichlorobenzene	5	UG/L	U	UJ			G02
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	UJ			G02
REG	2,4,5-Trichlorophenol	20	UG/L	U	U			
REG	2,4,6-Trichlorophenol	5	UG/L	U	U			
REG	2,4-Dichlorophenol	5	UG/L	U	U			
REG	2,4-Dimethylphenol	5	UG/L	U	U			
REG	2,4-Dinitrophenol	20	UG/L	U	U			
REG	2-Chloronaphthalene	5	UG/L	U	UJ			G02
REG	2-Chlorophenol	5	UG/L	U	U			
REG	2-Methylnaphthalene	5	UG/L	U	UJ			G02
REG	2-Methylphenol	5	UG/L	U	U			
REG	2-Nitroaniline	20	UG/L	U	UJ			G02
REG	2-Nitrophenol	5	UG/L	U	U			
REG	3,3'-Dichlorobenzidine	10	UG/L	U	UJ			G02
REG	3-Nitroaniline	20	UG/L	U	UJ			G02
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U			
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	UJ			G02
REG	4-Chloroaniline	5	UG/L	U	UJ			G02
REG	4-Chlorophenyl-phenylether	5	UG/L	U	UJ			G02
REG	4-Methylphenol	5	UG/L	U	U			
REG	4-Nitroaniline	20	UG/L	U	UJ			G02
REG	4-Nitrophenol	20	UG/L	U	U			
REG	4-chloro-3-methylphenol	5	UG/L	U	U			
REG	Acenaphthene	5	UG/L	U	UJ			G02
REG	Acenaphthylene	5	UG/L	U	UJ			G02
REG	Anthracene	5	UG/L	U	UJ			G02
REG	Benzo(a)anthracene	5	UG/L	U	UJ			G02
REG	Benzo(a)pyrene	5	UG/L	U	UJ			G02
REG	Benzo(b)fluoranthene	5	UG/L	U	UJ			G02
REG	Benzo(g,h,i)perylene	5	UG/L	U	UJ			G02
REG	Benzo(k)fluoranthene	5	UG/L	U	UJ			G02
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	UJ			G02
REG	Bis(2-chloroethyl)ether	5	UG/L	U	UJ			G02
REG	Bis(2-ethylhexyl)phthalate	6	UG/L	B	U			F01,F07,G02
REG	Butyl Benzyl Phthalate	5	UG/L	U	UJ			G02
REG	Carbazole	5	UG/L	U	UJ			G02
REG	Chrysene	5	UG/L	U	UJ			G02
REG	Di-n-butyl Phthalate	5	UG/L	U	UJ			G02
REG	Di-n-octyl Phthalate	5	UG/L	U	UJ			G02
REG	Dibenzo(a,h)anthracene	5	UG/L	U	UJ			G02
REG	Dibenzofuran	5	UG/L	U	UJ			G02
REG	Diethyl Phthalate	5	UG/L	U	UJ			G02
REG	Dimethyl Phthalate	5	UG/L	U	UJ			G02
REG	Fluoranthene	5	UG/L	U	UJ			G02
REG	Fluorene	5	UG/L	U	UJ			G02
REG	Hexachlorobenzene	5	UG/L	U	UJ			G02
REG	Hexachlorobutadiene	5	UG/L	U	UJ			G02
REG	Hexachlorocyclopentadiene	5	UG/L	U	U			
REG	Hexachloroethane	5	UG/L	U	UJ			G02
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	UJ			G02
REG	Isophorone	5	UG/L	U	UJ			G02
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	UJ			G02
REG	N-Nitrosodiphenylamine	5	UG/L	U	UJ			G02
REG	Naphthalene	5	UG/L	U	UJ			G02

Table APPENDIX G3

Ravenna Army Annunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
Station : CPCwp-012 Upper Cobbs Pond

Northing: 15385.00
Easting: 146650.00
Elevation:

CPCwp-012-0222-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/28/96

Field Measurements		Air Temperature	70	DEG F	Qualifiers		Validation
Sample Type	Semi-Volatile Organics	Result	Units	Lab	Data		Code
REG	Pentachlorophenol	20	UG/L	U	U		
REG	Phenanthrene	5	UG/L	U	UJ		G02
REG	Phenol	5	UG/L	U	U		
REG	Pyrene	5	UG/L	U	UJ		G02
Sample Type	Volatile Organics	Result	Units	Lab	Data		Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U		
REG	1,1,2-Trichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	R		C01
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	5	UG/L	U	R		C01,C02
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	11	UG/L	UJ	UJ		C02,C05,F03
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

Location: Upper and Lower Cobbs Pond
Station : CPCwp-013 Upper Cobbs Pond

Northing: 16153.00
Easting: 146277.00
Elevation:

CPCwp-013-0223-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/26/96

Field Measurements		Air Temperature	70	DEG F	Qualifiers		Validation
Sample Type	Cyanide	Result	Units	Lab	Data		Code
REG	Cyanide	2	UG/L	U	U		
Sample Type	Metals	Result	Units	Lab	Data		Validation Code
REG	Aluminum	17.6	UG/L	B	J		
REG	Antimony	3	UG/L	U	U		
REG	Arsenic	3.3	UG/L	B	J		
REG	Barium	115	UG/L	=	=		
REG	Beryllium	0.33	UG/L	B	U		F01
REG	Cadmium	0.4	UG/L	U	U		
REG	Calcium	68100	UG/L	=	=		

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCwp-013 Upper Cobbs Pond

Northing: 16153.00
 Easting: 146277.00
 Elevation:

CPCwp-013-0223-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/26/96

Field Measurements		Air Temperature	75	DEG F				
		Organic Vapor	0.0	PPM				
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	Chromium	0.8	UG/L	U	U			
REG	Cobalt	3.1	UG/L	B	U	F01		
REG	Copper	3.8	UG/L	U	U			
REG	Iron	8300	UG/L		=			
REG	Lead	1.4	UG/L	U	U			
REG	Magnesium	39200	UG/L		=			
REG	Manganese	3020	UG/L		=			
REG	Mercury	0.2	UG/L	U	U			
REG	Nickel	7.1	UG/L	B	J			
REG	Potassium	3860	UG/L	B	J			
REG	Selenium	3	UG/L	U	U			
REG	Silver	1.9	UG/L	U	U			
REG	Sodium	15700	UG/L		=			
REG	Thallium	1.1	UG/L	B	J			
REG	Vanadium	0.4	UG/L	U	U			
REG	Zinc	67.1	UG/L		=			
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U			
REG	1,3-Dinitrobenzene	3	UG/L	U	U			
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U			
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U			
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U			
REG	2-Nitrotoluene	10	UG/L	U	U			
REG	3-Nitrotoluene	10	UG/L	U	U			
REG	4-Nitrotoluene	10	UG/L	U	U			
REG	HMX	20	UG/L	U	U			
REG	Nitrobenzene	10	UG/L	U	U			
REG	RDX	20	UG/L	U	U			
REG	Tetryl	50	UG/L	U	U			
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code		
REG	4,4'-DDD	0.08	UG/L	U	UJ	C08,G02		
REG	4,4'-DDE	0.08	UG/L	U	UJ	G02		
REG	4,4'-DDT	0.08	UG/L	U	UJ	G02		
REG	Aldrin	0.04	UG/L	U	UJ	G02		
REG	Alpha Chlordane	0.04	UG/L	U	UJ	G02		
REG	Alpha-BHC	0.04	UG/L	U	UJ	G02		
REG	Aroclor-1016	1	UG/L	U	UJ	G02		
REG	Aroclor-1221	1	UG/L	U	UJ	G02		
REG	Aroclor-1232	1	UG/L	U	UJ	G02		
REG	Aroclor-1242	1	UG/L	U	UJ	G02		
REG	Aroclor-1248	1	UG/L	U	UJ	G02		
REG	Aroclor-1254	2	UG/L	U	UJ	G02		
REG	Aroclor-1260	2	UG/L	U	UJ	G02		
REG	Beta-BHC	0.04	UG/L	U	UJ	G02		
REG	Delta-BHC	0.04	UG/L	U	UJ	G02		
REG	Dieldrin	0.08	UG/L	U	UJ	G02		
REG	Endosulfan I	0.04	UG/L	U	UJ	G02		
REG	Endosulfan II	0.08	UG/L	U	UJ	G02		
REG	Endosulfan Sulfate	0.08	UG/L	U	UJ	G02		
REG	Endrin	0.08	UG/L	U	UJ	G02		
REG	Endrin Aldehyde	0.08	UG/L	U	UJ	G02		
REG	Endrin Ketone	0.08	UG/L	U	UJ	G02		
REG	Gamma Chlordane	0.04	UG/L	U	UJ	G02		
REG	Gamma-BHC (Lindane)	0.04	UG/L	U	UJ	G02		
REG	Heptachlor	0.04	UG/L	U	UJ	G02		
REG	Heptachlor Epoxide	0.04	UG/L	U	UJ	G02		
REG	Methoxychlor	0.38	UG/L	U	UJ	C08,G02		
REG	Toxaphene	2.5	UG/L	U	UJ	G02		

Table APPENDIX G3
Ravenna Army Ammunition Plant Phase 1 RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	5	UG/L	U	UJ	G02
REG	1,2-Dichlorobenzene	5	UG/L	U	UJ	G02
REG	1,3-Dichlorobenzene	5	UG/L	U	UJ	G02
REG	1,4-Dichlorobenzene	5	UG/L	U	UJ	G02
REG	2,2'-oxybis (1-chloropropane)	5	UG/L	U	UJ	G02
REG	2,4,5-Trichlorophenol	20	UG/L	U	U	
REG	2,4,6-Trichlorophenol	5	UG/L	U	U	
REG	2,4-Dichlorophenol	5	UG/L	U	U	
REG	2,4-Dimethylphenol	5	UG/L	U	U	
REG	2,4-Dinitrophenol	20	UG/L	U	U	
REG	2-Chloronaphthalene	5	UG/L	U	UJ	G02
REG	2-Chlorophenol	5	UG/L	U	U	
REG	2-Methylnaphthalene	5	UG/L	U	UJ	G02
REG	2-Methylphenol	5	UG/L	U	U	
REG	2-Nitroaniline	20	UG/L	U	UJ	G02
REG	2-Nitrophenol	5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	UJ	G02
REG	3-Nitroaniline	20	UG/L	U	UJ	G02
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	5	UG/L	U	UJ	G02
REG	4-Chloroaniline	5	UG/L	U	UJ	G02
REG	4-Chlorophenyl-phenylether	5	UG/L	U	UJ	G02
REG	4-Methylphenol	5	UG/L	U	U	
REG	4-Nitroaniline	20	UG/L	U	UJ	G02
REG	4-Nitrophenol	20	UG/L	U	U	
REG	4-chloro-3-methylphenol	2	UG/L	J	J	
REG	Acenaphthene	5	UG/L	U	UJ	G02
REG	Acenaphthylene	5	UG/L	U	UJ	G02
REG	Anthracene	5	UG/L	U	UJ	G02
REG	Benzo(a)anthracene	5	UG/L	U	UJ	G02
REG	Benzo(a)pyrene	5	UG/L	U	UJ	G02
REG	Benzo(b)fluoranthene	5	UG/L	U	UJ	G02
REG	Benzo(g,h,i)perylene	5	UG/L	U	UJ	G02
REG	Benzo(k)fluoranthene	5	UG/L	U	UJ	G02
REG	Bis(2-chloroethoxy)methane	5	UG/L	U	UJ	G02
REG	Bis(2-chloroethyl)ether	5	UG/L	U	UJ	G02
REG	Bis(2-ethylhexyl)phthalate	5	UG/L	U	UJ	G02
REG	Butyl Benzyl Phthalate	5	UG/L	U	UJ	G02
REG	Carbazole	5	UG/L	U	UJ	G02
REG	Chrysene	5	UG/L	U	UJ	G02
REG	Di-n-butyl Phthalate	5	UG/L	U	UJ	G02
REG	Di-n-octyl Phthalate	5	UG/L	U	UJ	G02
REG	Dibenzo(a,h)anthracene	5	UG/L	U	UJ	G02
REG	Dibenzofuran	5	UG/L	U	UJ	G02
REG	Diethyl Phthalate	5	UG/L	U	UJ	G02
REG	Dimethyl Phthalate	5	UG/L	U	UJ	G02
REG	Fluoranthene	5	UG/L	U	UJ	G02
REG	Fluorene	5	UG/L	U	UJ	G02
REG	Hexachlorobenzene	5	UG/L	U	UJ	G02
REG	Hexachlorobutadiene	5	UG/L	U	UJ	G02
REG	Hexachlorocyclopentadiene	5	UG/L	U	UJ	G02
REG	Hexachloroethane	5	UG/L	U	UJ	G02
REG	Indeno(1,2,3-cd)pyrene	5	UG/L	U	UJ	G02
REG	Isophorone	5	UG/L	U	UJ	G02
REG	N-Nitroso-di-n-propylamine	5	UG/L	U	UJ	G02
REG	N-Nitrosodiphenylamine	5	UG/L	U	UJ	G02
REG	Naphthalene	5	UG/L	U	UJ	G02
REG	Pentachlorophenol	20	UG/L	U	U	
REG	Phenanthrene	5	UG/L	U	UJ	G02
REG	Phenol	5	UG/L	U	U	
REG	Pyrene	5	UG/L	U	UJ	G02

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	

Table APPENDIX G3

Ravenna Army Ammunition Plant Phase 1 RI

Location: Upper and Lower Cobbs Pond
 Station : CPCwp-013 Upper Cobbs Pond

Northing: 16153.00
 Easting: 146277.00
 Elevation:

CPCwp-013-0223-GW

Field Sample Type: Grab Matrix: Well Point

Collected: 07/26/96

Field Measurements		Air Temperature	75	DEG F			
		Organic Vapor	0.0	PPM			
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	5	UG/L	U	R	C01	
REG	2-Hexanone	5	UG/L	U	U		
REG	4-Methyl-2-pentanone	5	UG/L	U	U		
REG	Acetone	5	UG/L	U	R	C01,C02	
REG	Benzene	5	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	5	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	5	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	5	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	10	UG/L		UJ	C02C05F04F07	
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	o-Xylene	5	UG/L	U	U		

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