

APPENDIX F
ANALYTICAL RESULTS

APPENDIX F1
BACKGROUND SAMPLES

LABORATORY DATA

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-004

Northing: 569464.76
Easting: 2368852.97
Elevation: 965.16

BKGmw-004(r)-0839-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	48000	UG/L		=	
REG	Antimony	4.3	UG/L	B	J	I02
REG	Arsenic	215	UG/L		=	
REG	Barium	215	UG/L		=	
REG	Beryllium	1.7	UG/L	B	U	F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	17200	UG/L		=	
REG	Chromium	85.2	UG/L		=	
REG	Cobalt	46.3	UG/L	B	J	
REG	Copper	289	UG/L		=	
REG	Iron	195000	UG/L		=	
REG	Lead	183	UG/L		=	
REG	Magnesium	14000	UG/L		=	
REG	Manganese	2860	UG/L		=	
REG	Mercury	0.25	UG/L		=	
REG	Nickel	117	UG/L		=	
REG	Potassium	6740	UG/L		=	
REG	Selenium	5.7	UG/L		=	
REG	Silver	10	UG/L	U	U	
REG	Sodium	20000	UG/L		=	
REG	Thallium	2.4	UG/L		=	
REG	Vanadium	98.1	UG/L		=	
REG	Zinc	888	UG/L		J	I02,E07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	17.7	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	15200	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	4900	UG/L	B	J	
REG	Manganese	1020	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1310	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	20100	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	41.4	UG/L		J	I01,E07

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.05	UG/L	U	U	
REG	4,4'-DDE	0.05	UG/L	U	U	
REG	4,4'-DDT	0.05	UG/L	U	U	
REG	Aldrin	0.025	UG/L	U	U	
REG	Alpha-Chlordane	0.025	UG/L	U	U	
REG	Alpha-BHC	0.025	UG/L	U	U	
REG	Aroclor-1016	0.26	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
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BKGmw-004(r)-0839-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aroclor-1221	0.25	UG/L	U	U	
REG	Aroclor-1232	0.25	UG/L	U	U	
REG	Aroclor-1242	0.25	UG/L	U	U	
REG	Aroclor-1248	0.25	UG/L	U	U	
REG	Aroclor-1254	0.5	UG/L	U	U	
REG	Aroclor-1260	0.5	UG/L	U	U	
REG	Beta-BHC	0.025	UG/L	U	U	
REG	Delta-BHC	0.025	UG/L	U	U	
REG	Dieldrin	0.05	UG/L	U	U	
REG	Endosulfan I	0.025	UG/L	U	U	
REG	Endosulfan II	0.05	UG/L	U	U	
REG	Endosulfan Sulfate	0.05	UG/L	U	U	
REG	Endrin	0.06	UG/L	U	U	
REG	Endrin Aldehyde	0.05	UG/L	U	U	
REG	Endrin Ketone	0.05	UG/L	U	U	
REG	Gamma Chlordane	0.025	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.025	UG/L	U	U	
REG	Heptachlor	0.025	UG/L	U	U	
REG	Heptachlor Epoxide	0.025	UG/L	U	U	
REG	Methoxychlor	0.25	UG/L	U	U	
REG	Toxaphene	1.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	1,2,4-Trichlorobenzene	10	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	10	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	10	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	25	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	10	UG/L	U	UJ	A01
REA	2-Chlorophenol	10	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	10	UG/L	U	UJ	A01
REA	2-Methylphenol	10	UG/L	U	UJ	A01
REA	2-Nitroaniline	25	UG/L	U	UJ	A01
REA	2-Nitrophenol	10	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	10	UG/L	U	UJ	A01
REA	3-Nitroaniline	25	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	10	UG/L	U	UJ	A01
REA	4-Chloroaniline	10	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	10	UG/L	U	UJ	A01
REA	4-Methylphenol	10	UG/L	U	UJ	A01
REA	4-Nitroaniline	25	UG/L	U	UJ	A01
REA	4-Nitrophenol	25	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	10	UG/L	U	UJ	A01
REA	Acenaphthene	10	UG/L	U	UJ	A01
REA	Acenaphthylene	10	UG/L	U	UJ	A01
REA	Anthracene	10	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	10	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	10	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	10	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	10	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	10	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	1.7	UG/L	J	J	A01
REA	Butyl Benzyl Phthalate	10	UG/L	U	UJ	A01
REA	Carbazole	10	UG/L	U	UJ	A01
REA	Chrysene	10	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	10	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	10	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	10	UG/L	U	UJ	A01

Ravenna Army Ammunition Plant Phase II RI

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Elevation: 965.16

BKGmw-004(r)-0839-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	Dibenzofuran	10	UG/L	U	UJ	A01
REA	Diethyl Phthalate	10	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	10	UG/L	U	UJ	A01
REA	Fluoranthene	10	UG/L	U	UJ	A01
REA	Fluorene	10	UG/L	U	UJ	A01
REA	Hexachlorobenzene	10	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	10	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	10	UG/L	U	UJ	A01
REA	Hexachloroethane	10	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	10	UG/L	U	UJ	A01
REA	Isophorone	10	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	10	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	10	UG/L	U	UJ	A01
REA	Naphthalene	10	UG/L	U	UJ	A01
REA	Nitrobenzene	10	UG/L	U	UJ	A01
REA	Pentachlorophenol	10	UG/L	U	UJ	A01
REA	Phenanthrene	10	UG/L	U	UJ	A01
REA	Phenol	10	UG/L	U	UJ	A01
REA	Pyrene	10	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	

Ravenna Army Annunition Plant Phase II RI

Location: BACKGROUND
Station : BKGmw-004

Northing: 569464.76
Eastng: 236852.87
Elevation: 986.18

BKGmw-004(r)-0839-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 06/19/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	UJ	P01
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	0.74	UG/L	J	J	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

BKGmw-004(u)-0946-F

Field Sample Type: Field Duplicate

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	59700	UG/L		=	
REG	Antimony	3.9	UG/L	B	J	102

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-004

Northing: 569454.76
Easting: 2388852.97
Elevation: 985.18

BKGmw-004(u)-0946-F

Field Sample Type: Field Duplicate

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Arsenic	233	UG/L	=		
REG	Barium	252	UG/L	=		
REG	Beryllium	2.1	UG/L	B	U	F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	18500	UG/L	=		
REG	Chromium	102	UG/L	=		
REG	Cobalt	50	UG/L	=		
REG	Copper	321	UG/L	=		
REG	Iron	217000	UG/L	=		
REG	Lead	205	UG/L	=		
REG	Magnesium	16100	UG/L	=		
REG	Manganese	3020	UG/L	=		
REG	Mercury	0.27	UG/L	=		
REG	Nickel	132	UG/L	=		
REG	Potassium	8300	UG/L	=		
REG	Selenium	4.6	UG/L	B	J	
REG	Silver	10	UG/L	U	U	
REG	Sodium	21900	UG/L	=		
REG	Thallium	2	UG/L	=		
REG	Vanadium	120	UG/L	=		
REG	Zinc	986	UG/L	J		102,E07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	17.4	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	15100	UG/L	=		
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	187	UG/L	=		
REG	Lead	3	UG/L	U	U	
REG	Magnesium	4900	UG/L	B	J	
REG	Manganese	1040	UG/L	=		
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1300	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	20200	UG/L	=		
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	43.6	UG/L	J		101,E07

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.05	UG/L	U	U	
REG	4,4'-DDE	0.05	UG/L	U	U	
REG	4,4'-DDT	0.05	UG/L	U	U	
REG	Aldrin	0.025	UG/L	U	U	
REG	Alpha Chlordane	0.025	UG/L	U	U	
REG	Alpha-BHC	0.025	UG/L	U	U	
REG	Aroclor-1016	0.25	UG/L	U	U	
REG	Aroclor-1221	0.25	UG/L	U	U	
REG	Aroclor-1232	0.25	UG/L	U	U	
REG	Aroclor-1242	0.25	UG/L	U	U	
REG	Aroclor-1248	0.25	UG/L	U	U	
REG	Aroclor-1254	0.5	UG/L	U	U	
REG	Aroclor-1260	0.5	UG/L	U	U	
REG	Beta-BHC	0.025	UG/L	U	U	
REG	Delta-BHC	0.025	UG/L	U	U	
REG	Dieldrin	0.05	UG/L	U	U	
REG	Endosulfan I	0.025	UG/L	U	U	
REG	Endosulfan II	0.05	UG/L	U	U	

Location: BACKGROUND
Station: BKGmw-004

Northing: 569464.76
Easting: 2368852.97
Elevation: 965.16

BKGmw-004(u)-0546-F

Field Sample Type: Field Duplicate

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Endosulfan Sulfate	0.05	UG/L	U	U	
REG	Endrin	0.05	UG/L	U	U	
REG	Endrin Aldehyde	0.05	UG/L	U	U	
REG	Endrin Ketone	0.05	UG/L	U	U	
REG	Gamma Chlordane	0.025	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.025	UG/L	U	U	
REG	Heptachlor	0.025	UG/L	U	U	
REG	Heptachlor Epoxide	0.025	UG/L	U	U	
REG	Methoxychlor	0.25	UG/L	U	U	
REG	Toxaphene	1.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	1,2,4-Trichlorobenzene	10	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	10	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	10	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	25	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	10	UG/L	U	UJ	A01
REA	2-Chlorophenol	10	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	10	UG/L	U	UJ	A01
REA	2-Methylphenol	10	UG/L	U	UJ	A01
REA	2-Nitroaniline	25	UG/L	U	UJ	A01
REA	2-Nitrophenol	10	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	10	UG/L	U	UJ	A01
REA	3-Nitroaniline	25	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	10	UG/L	U	UJ	A01
REA	4-Chloroaniline	10	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	10	UG/L	U	UJ	A01
REA	4-Methylphenol	10	UG/L	U	UJ	A01
REA	4-Nitroaniline	25	UG/L	U	UJ	A01
REA	4-Nitrophenol	25	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	10	UG/L	U	UJ	A01
REA	Acenaphthene	10	UG/L	U	UJ	A01
REA	Acenaphthylene	10	UG/L	U	UJ	A01
REA	Anthracene	10	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	10	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	10	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	10	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	10	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	10	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	10	UG/L	U	UJ	A01
REA	Butyl Benzyl Phthalate	10	UG/L	U	UJ	A01
REA	Carbazole	10	UG/L	U	UJ	A01
REA	Chrysene	10	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	10	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	10	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	10	UG/L	U	UJ	A01
REA	Dibenzofuran	10	UG/L	U	UJ	A01
REA	Diethyl Phthalate	10	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	10	UG/L	U	UJ	A01
REA	Fluoranthene	10	UG/L	U	UJ	A01
REA	Fluorene	10	UG/L	U	UJ	A01
REA	Hexachlorobenzene	10	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	10	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	10	UG/L	U	UJ	A01
REA	Hexachloroethane	10	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	10	UG/L	U	UJ	A01
REA	Isophorone	10	UG/L	U	UJ	A01

Ravenna Army Annunition Plant Phase II RI

Location: BACKGROUND
Station : BKGmw-004

Northing: 589484.78
Easting: 2368852.97
Elevation: 986.16

BKGmw-004(u)-0946-F

Field Sample Type: Field Duplicate

Matrix: Monitoring Well

Collected: 06/19/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	N-Nitroso-di-n-propylamine	10	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	10	UG/L	U	UJ	A01
REA	Naphthalene	10	UG/L	U	UJ	A01
REA	Nitrobenzene	10	UG/L	U	UJ	A01
REA	Pentachlorophenol	10	UG/L	U	UJ	A01
REA	Phenanthrene	10	UG/L	U	UJ	A01
REA	Phenol	10	UG/L	U	UJ	A01
REA	Pyrene	10	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-004

Northing: 569464.76
Easting: 2368862.97
Elevation: 965.16

BKGmw-004(u)-0946-F

Field Sample Type: Field Duplicate

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	UJ	P01
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	0.7	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	0.33	UG/L	J	J	
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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

BKGmw-004(u)-0950-T

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 05/19/98

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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGmw-004

Northing: 569464.76
Easting: 238862.97
Elevation: 965.16

BKGmw-004(u)-0950-T

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 05/19/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: BACKGROUND
Station : BKGmw-005

Northing: 582288.45
Easting: 2340835.86
Elevation: 1149.44

BKGmw-005(u)-0840-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	8570	UG/L		J	F10
REG	Antimony	5	UG/L	U	UJ	I02
REG	Arsenic	14.1	UG/L		=	
REG	Barium	59.6	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	91800	UG/L		=	
REG	Chromium	15.5	UG/L		=	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	37.7	UG/L		=	
REG	Iron	27500	UG/L		=	
REG	Lead	17.6	UG/L		=	
REG	Magnesium	21300	UG/L		=	
REG	Manganese	876	UG/L		=	
REG	Mercury	0.081	UG/L	B	J	
REG	Nickel	27.1	UG/L	B	J	
REG	Potassium	3290	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	6440	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	17.1	UG/L	B	J	
REG	Zinc	131	UG/L		J	I02,E07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	13.8	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	115000	UG/L		=	
REG	Chromium	7.3	UG/L	B	J	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	208	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	22600	UG/L		=	
REG	Manganese	428	UG/L		=	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-005

Northing: 562288.45
Easting: 2340835.86
Elevation: 1149.44

BKGmw-005(u)-0840-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1480	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	6820	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	60.9	UG/L		J	101,E07

Location: BACKGROUND
Station: BKGmw-006

Northing: 571910.47
Easting: 2358643.86
Elevation: 1026.38

BKGmw-006(r)-0841-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1100	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	13.5	UG/L	B	U	F01,F08
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	48200	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	7.5	UG/L	B	J	F10
REG	Iron	2620	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	13700	UG/L		=	
REG	Manganese	121	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1230	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	17500	UG/L		=	
REG	Thallium	1.3	UG/L	BWa	U	F06
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	50.7	UG/L	MBD	U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	7	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	53100	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	R	F10
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	15000	UG/L		=	
REG	Manganese	98.8	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGmw-006

Northing: 571910.47
Easting: 2358643.96
Elevation: 1026.38

BKGmw-006(r)-0841-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Potassium	1090	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	18200	UG/L		=	
REG	Thallium	1.1	UG/L	BWa	U	F06
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	51.2	UG/L	MBD	U	F01,F07

Northing: 569654.23
Easting: 2372741.08
Elevation: 970.40

Location: BACKGROUND
Station : BKGmw-008

BKGmw-008(r)-0843-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	9410	UG/L		J	F10
REG	Antimony	5	UG/L	U	UJ	I02
REG	Arsenic	19.1	UG/L		=	
REG	Barium	48.3	UG/L	B	J	
REG	Beryllium	0.86	UG/L	B	U	F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	28500	UG/L		=	
REG	Chromium	19.5	UG/L		=	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	16.2	UG/L	B	J	
REG	Iron	21500	UG/L		=	
REG	Lead	23	UG/L		=	
REG	Magnesium	12700	UG/L		=	
REG	Manganese	380	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	23.5	UG/L	B	J	
REG	Potassium	3210	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	12200	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	15.5	UG/L	B	J	
REG	Zinc	193	UG/L		J	I02,E07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	5.8	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	29900	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	152	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	11800	UG/L		=	
REG	Manganese	21.2	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	809	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-008

Northing: 569854.23
Easting: 2372741.08
Elevation: 970.40

BKGmw-008(r)-0843-G Field Sample Type: Grab Matrix: Monitoring Well Collected: 05/19/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Silver	10	UG/L	U	U	
REG	Sodium	11800	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	46.8	UG/L		J	101,E07

Location: BACKGROUND
Station: BKGmw-010

Northing: 565540.71
Easting: 2371372.95
Elevation: 1006.29

BKGmw-010(r)-0845-G Field Sample Type: Grab Matrix: Monitoring Well Collected: 05/18/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2790	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	4.8	UG/L	B	U	F06
REG	Barium	35.1	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	12800	UG/L		=	
REG	Chromium	7.9	UG/L	B	J	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	9	UG/L	B	U	F01,F06
REG	Iron	4100	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	13600	UG/L		=	
REG	Manganese	1260	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	85.3	UG/L		=	
REG	Potassium	2190	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	4850	UG/L	B	J	
REG	Thallium	1.1	UG/L	BWa	U	F01,F06
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	81.7	UG/L		U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	97	UG/L	B	R	F06,F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	19.9	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	12700	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	105	UG/L	U	U	F01,F07
REG	Lead	3	UG/L	U	U	
REG	Magnesium	14200	UG/L		=	
REG	Manganese	1340	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	83.4	UG/L		=	
REG	Potassium	1540	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	4480	UG/L	B	J	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-010

Northing: 565540.71
Easting: 2371372.95
Elevation: 1006.29

BKGmw-010(r)-0845-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/18/98

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	74.7	UG/L		U	F01,F07

Location: BACKGROUND
Station: BKGmw-012

Northing: 563918.86
Easting: 2367795.23
Elevation: 997.57

BKGmw-012(r)-0847-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/18/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	1890	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	4.1	UG/L	B	U	F08
REG	Barium	192	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	19900	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	5.6	UG/L	B	U	F01,F06
REG	Iron	2150	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	6950	UG/L		=	
REG	Manganese	121	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	4280	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	49700	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	43.6	UG/L		U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	173	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	19500	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	6670	UG/L		=	
REG	Manganese	77.9	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	3820	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	51400	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-012

Northing: 563918.86
Easting: 2367795.23
Elevation: 997.57

BKGmw-012(r)-0847-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/16/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Zinc	22.1	UG/L	U		F01,F07

Location: BACKGROUND
Station: BKGmw-013

Northing: 566268.16
Easting: 2361627.39
Elevation: 986.59

BKGmw-013(u)-0848-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/16/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14300	UG/L		=	
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	19.7	UG/L		=	
REG	Barium	159	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	100000	UG/L		=	
REG	Chromium	21.7	UG/L		=	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	23.8	UG/L	B	U	F01,F06
REG	Iron	21600	UG/L		=	
REG	Lead	10.1	UG/L		=	
REG	Magnesium	30900	UG/L		=	
REG	Manganese	809	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	24.4	UG/L	B	J	
REG	Potassium	6470	UG/L		J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	11900	UG/L		=	
REG	Thallium	1.3	UG/L	B	U	F01,F06
REG	Vanadium	24.3	UG/L	B	J	
REG	Zinc	129	UG/L		U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	11.6	UG/L		U	F07
REG	Barium	82.1	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	74800	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	5.4	UG/L	B	U	F01,F06
REG	Iron	279	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	23800	UG/L		=	
REG	Manganese	413	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1990	UG/L	BL	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	10600	UG/L		=	
REG	Thallium	1	UG/L	BWa	U	F01,F06
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	56.6	UG/L	L	U	F01,F07

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.05	UG/L	U	U	
REG	4,4'-DDE	0.05	UG/L	U	U	
REG	4,4'-DDT	0.05	UG/L	U	U	
REG	Aldrin	0.025	UG/L	U	U	
REG	Alpha Chlordane	0.025	UG/L	U	U	
REG	Alpha-BHC	0.025	UG/L	U	U	
REG	Aroclor-1018	0.25	UG/L	U	U	
REG	Aroclor-1221	0.25	UG/L	U	U	
REG	Aroclor-1232	0.25	UG/L	U	U	
REG	Aroclor-1242	0.25	UG/L	U	U	
REG	Aroclor-1248	0.25	UG/L	U	U	
REG	Aroclor-1254	0.5	UG/L	U	U	
REG	Aroclor-1260	0.5	UG/L	U	U	
REG	Beta-BHC	0.025	UG/L	U	U	
REG	Delta-BHC	0.025	UG/L	U	U	
REG	Dieldrin	0.05	UG/L	U	U	
REG	Endosulfan I	0.025	UG/L	U	U	
REG	Endosulfan II	0.05	UG/L	U	U	
REG	Endosulfan Sulfate	0.05	UG/L	U	U	
REG	Endrin	0.05	UG/L	U	U	
REG	Endrin Aldehyde	0.05	UG/L	U	U	
REG	Endrin Ketone	0.05	UG/L	U	U	
REG	Gamma Chlordane	0.025	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.025	UG/L	U	U	
REG	Heptachlor	0.025	UG/L	U	U	
REG	Heptachlor Epoxide	0.025	UG/L	U	U	
REG	Methoxychlor	0.25	UG/L	U	U	
REG	Toxaphene	1.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	1,2,4-Trichlorobenzene	10	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	10	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	10	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	25	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	10	UG/L	U	UJ	A01
REA	2-Chlorophenol	10	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	10	UG/L	U	UJ	A01
REA	2-Methylphenol	10	UG/L	U	UJ	A01
REA	2-Nitroaniline	25	UG/L	U	UJ	A01
REA	2-Nitrophenol	10	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	10	UG/L	U	UJ	A01
REA	3-Nitroaniline	25	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	10	UG/L	U	UJ	A01
REA	4-Chloroaniline	10	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	10	UG/L	U	UJ	A01
REA	4-Methylphenol	10	UG/L	U	UJ	A01
REA	4-Nitroaniline	25	UG/L	U	UJ	A01
REA	4-Nitrophenol	25	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	10	UG/L	U	UJ	A01
REA	Acenaphthene	10	UG/L	U	UJ	A01
REA	Acenaphthylene	10	UG/L	U	UJ	A01
REA	Anthracene	10	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	10	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	10	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	10	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	10	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	10	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	10	UG/L	U	UJ	A01
REA	Butyl Benzyl Phthalate	10	UG/L	U	UJ	A01
REA	Carbazole	10	UG/L	U	UJ	A01
REA	Chrysene	10	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	10	UG/L	U	UJ	A01

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-013

Northing: 558269.16
Easting: 2381627.39
Elevation: 986.59

BKGmw-013(u)-0648-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/16/88

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	Di-n-octyl Phthalate	10	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	10	UG/L	U	UJ	A01
REA	Dibenzofuran	10	UG/L	U	UJ	A01
REA	Diethyl Phthalate	10	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	10	UG/L	U	UJ	A01
REA	Fluoranthene	10	UG/L	U	UJ	A01
REA	Fluorene	10	UG/L	U	UJ	A01
REA	Hexachlorobenzene	10	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	10	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	10	UG/L	U	UJ	A01
REA	Hexachloroethane	10	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	10	UG/L	U	UJ	A01
REA	Isophorone	10	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	10	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	10	UG/L	U	UJ	A01
REA	Naphthalene	10	UG/L	U	UJ	A01
REA	Nitrobenzene	10	UG/L	U	UJ	A01
REA	Pentachlorophenol	10	UG/L	U	UJ	A01
REA	Phenanthrene	10	UG/L	U	UJ	A01
REA	Phenol	10	UG/L	U	UJ	A01
REA	Pyrene	10	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGmw-013

Northing: 558269.16
Easting: 2361627.39
Elevation: 986.59

BKGmw-013(u)-0848-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/16/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	UJ	P01
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	U	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

BKGmw-013(u)-0948-F

Field Sample Type: Field Duplicate Matrix: Monitoring Well

Collected: 05/18/98

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	12.3	UG/L	U	U	F07
REG	Barium	78.2	UG/L	B	J	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-013

Northing: 558289.16
Easting: 2361627.39
Elevation: 886.59

BKGmw-013(u)-0948-F

Field Sample Type: Field Duplicate

Matrix: Monitoring Well

Collected: 06/18/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	74700	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	132	UG/L	U	U	F01,F07
REG	Lead	3	UG/L	U	U	
REG	Magnesium	23700	UG/L		=	
REG	Manganese	400	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1890	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	11300	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	27.8	UG/L	U	U	F01,F07

BKGmw-013(u)-0948-T

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 05/18/98

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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	U	F01,F08
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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: BACKGROUND
Station: BKGmw-015

Northing: 569339.87
Easting: 2361482.22
Elevation: 1037.90

BKGmw-015(u)-0850-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.015	MG/L	=		

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	2840	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5.2	UG/L		U	F07
REG	Barium	241	UG/L		=	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	30900	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	11.3	UG/L	B	U	F01,F06
REG	Iron	6170	UG/L		=	
REG	Lead	4.8	UG/L		=	
REG	Magnesium	13000	UG/L		=	
REG	Manganese	183	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	22.4	UG/L	B	J	
REG	Potassium	6060	UG/L		=	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	14300	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	57.7	UG/L		U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	256	UG/L		=	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	32000	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	13000	UG/L		=	
REG	Manganese	32.6	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	5770	UG/L		=	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	14300	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	32.6	UG/L		U	F01,F07

BKGmw-015(R)-0963-E

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 05/20/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	200	UG/L	U	U	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGmw-015

Northing: 569339.87
Easting: 2361482.22
Elevation: 1037.90

BKGmw-016(R)-0963-E

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 05/20/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Calcium	5000	UG/L	U	U	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	R	F10
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	5000	UG/L	U	U	
REG	Manganese	15	UG/L	U	U	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	5000	UG/L	U	U	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	5000	UG/L	U	U	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	20	UG/L	MBE	U	

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	200	UG/L	U	U	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	229	UG/L	B	U	F01,F06
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	R	F10
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	5000	UG/L	U	U	
REG	Manganese	15	UG/L	U	U	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	5000	UG/L	U	U	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	347	UG/L	B	U	F01,F06
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	21.6	UG/L	MBD	U	F01,F07

Location: BACKGROUND
Station : BKGmw-016

Northing: 553983.50
Easting: 2342407.08
Elevation: 1098.42

BKGmw-016(u)-0842-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/18/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	31500	UG/L		=	
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	46.4	UG/L		=	
REG	Barium	177	UG/L	B	J	
REG	Beryllium	1.4	UG/L	B	U	F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	52900	UG/L		=	
REG	Chromium	47.9	UG/L		=	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGmw-016

Northing: 553983.50
Easting: 2342407.08
Elevation: 1098.42

BKGmw-016(u)-0842-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/18/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cobalt	32.8	UG/L	B	J	
REG	Copper	110	UG/L	=	=	
REG	Iron	79900	UG/L	=	=	
REG	Lead	55.8	UG/L	=	=	
REG	Magnesium	22200	UG/L	=	=	
REG	Manganese	1410	UG/L	=	=	
REG	Mercury	0.11	UG/L	B	J	
REG	Nickel	83.6	UG/L	=	=	
REG	Potassium	7480	UG/L	J	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	4710	UG/L	B	J	
REG	Thallium	1.9	UG/L	BWa	U	F01,F06
REG	Vanadium	57.1	UG/L	=	=	
REG	Zinc	282	UG/L	J	J	E07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	25.4	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	30400	UG/L	=	=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	6150	UG/L	=	=	
REG	Manganese	302	UG/L	=	=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	726	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	2530	UG/L	B	J	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	39.1	UG/L	U	U	F01,F07

Location: BACKGROUND
Station : BKGmw-017

Northing: 562452.04
Easting: 2346115.35
Elevation: 1132.80

BKGmw-017(u)-0846-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	22800	UG/L	=	=	
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	49.3	UG/L	=	=	
REG	Barium	135	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	148000	UG/L	=	=	
REG	Chromium	35.3	UG/L	=	=	
REG	Cobalt	24.6	UG/L	B	J	
REG	Copper	58	UG/L	J	J	F10

Ravenna Army Ammunition Plant Phase I/RI

Location: BACKGROUND
Station : BKGmw-017

Northing: 562452.04
Easting: 2346115.35
Elevation: 1132.80

BKGmw-017(u)-0846-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Iron	60100	UG/L	=		
REG	Lead	29.4	UG/L	=		
REG	Magnesium	58100	UG/L	=		
REG	Manganese	1210	UG/L	=		
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	58.4	UG/L	=		
REG	Potassium	7460	UG/L	J		E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	25800	UG/L	=		
REG	Thallium	2	UG/L	U		F07
REG	Vanadium	38.7	UG/L	B	J	
REG	Zinc	204	UG/L	MBD	J	E07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	11.7	UG/L	=		
REG	Barium	36.3	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	111000	UG/L	=		
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	R	F10
REG	Iron	278	UG/L	=		
REG	Lead	3	UG/L	U	U	
REG	Magnesium	43300	UG/L	=		
REG	Manganese	273	UG/L	=		
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	2890	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	24600	UG/L	=		
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	16.4	UG/L	B,MBE	U	F01,F06

Location: BACKGROUND
Station : BKGmw-018

Northing: 570873.35
Easting: 2354993.91
Elevation: 1043.06

BKGmw-018(r)-0836-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	3960	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	32.3	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	39500	UG/L	=		
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	17	UG/L	B	J	F10
REG	Iron	6170	UG/L	=		
REG	Lead	7.5	UG/L	=		

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-018

Northing: 570873.36
Easting: 2354993.91
Elevation: 1043.06

BKGmw-018(r)-0836-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Magnesium	3830	UG/L	B	J	
REG	Manganese	51	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1280	UG/L	B,L	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	3240	UG/L	B	U	F01,F06
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	7.7	UG/L	B	J	
REG	Zinc	113	UG/L	MBDL	U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	14.8	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	39600	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	60	UG/L	U	U	
REG	Copper	25	UG/L	U	R	F10
REG	Iron	83.4	UG/L	B	U	F06
REG	Lead	3	UG/L	U	U	
REG	Magnesium	3630	UG/L	B	J	
REG	Manganese	8.5	UG/L	B	U	F01,F06
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	699	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	1910	UG/L	B	U	F01,F06
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	58.2	UG/L	MBD	U	F01,F07

Location: BACKGROUND
Station: BKGmw-019

Northing: 559864.66
Easting: 2349882.14
Elevation: 1108.24

BKGmw-019(u)-0837-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	31200	UG/L		=	
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	90.2	UG/L		=	
REG	Barium	327	UG/L		=	
REG	Beryllium	1.2	UG/L	B	U	F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	194000	UG/L		=	
REG	Chromium	53.7	UG/L		=	
REG	Cobalt	40.8	UG/L	B	J	
REG	Copper	138	UG/L		J	F10
REG	Iron	121000	UG/L		=	
REG	Lead	72.8	UG/L		=	
REG	Magnesium	58400	UG/L		=	
REG	Manganese	2430	UG/L		=	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-019

Northing: 559864.55
Easting: 2349882.14
Elevation: 1108.24

BKGmw-019(u)-0837-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Mercury	0.094	UG/L	B	J	
REG	Nickel	93.6	UG/L	=		
REG	Potassium	7170	UG/L	J		E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	11100	UG/L	=		
REG	Thallium	3	UG/L	U		F07
REG	Vanadium	63.3	UG/L	=		
REG	Zinc	536	UG/L	MBD	J	E07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	29	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	104000	UG/L	=		
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	26	UG/L	U	R	F10
REG	Iron	78	UG/L	B	U	F06
REG	Lead	3	UG/L	U	U	
REG	Magnesium	29500	UG/L	=		
REG	Manganese	458	UG/L	=		
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1970	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	8750	UG/L	=		
REG	Thallium	1.1	UG/L	B	U	F06
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	21.6	UG/L	MBD	U	F01,F07

Location: BACKGROUND
Station: BKGmw-020

Northing: 558756.24
Easting: 2357856.24
Elevation: 1065.00

BKGmw-020(r)-0838-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	1810	UG/L		J	F10
REG	Antimony	6	UG/L	U	UJ	I02
REG	Arsenic	5	UG/L	U	U	
REG	Barium	149	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	43900	UG/L	=		
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	7.6	UG/L	B	J	
REG	Iron	4380	UG/L	=		
REG	Lead	2.2	UG/L	B	J	
REG	Magnesium	12800	UG/L	=		
REG	Manganese	511	UG/L	=		
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-020

Northing: 558756.24
Easting: 2357856.24
Elevation: 1066.00

BKGmw-020(r)-0838-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Potassium	3210	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	9770	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	72.8	UG/L		J	102,E07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	95.8	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	47700	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	1430	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	13700	UG/L		=	
REG	Manganese	478	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	2830	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	7750	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	52.3	UG/L		J	101,E07

Location: BACKGROUND
Station: BKGmw-021

Northing: 571016.75
Easting: 2387822.95
Elevation: 972.16

BKGmw-021(u)-0844-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	5180	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	7.9	UG/L		=	
REG	Barium	71.9	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	97100	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	16	UG/L	B	J	F10
REG	Iron	10700	UG/L		=	
REG	Lead	8	UG/L		=	
REG	Magnesium	40400	UG/L		=	
REG	Manganese	308	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	2290	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGmw-021

Northing: 571016.75
Easting: 2367622.95
Elevation: 972.16

BKGmw-021(u)-0844-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Silver	10	UG/L	U	U	
REG	Sodium	44700	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	7.9	UG/L	B	J	
REG	Zinc	66.7	UG/L	MBD	U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	59.1	UG/L	B	R	F06,F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	40.1	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	97400	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	R	F10
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	41200	UG/L		=	
REG	Manganese	5	UG/L	B	U	F01,F06
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1100	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	45700	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	28.1	UG/L	MBD	U	F01,F07

Location: BACKGROUND
Station: BKGsd-001

BKGsd-001(d)-0799-SD 0.0 - 0.5 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	1	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13900	MG/KG		=	
REG	Antimony	1	MG/KG	U	UJ	I02
REG	Arsenic	11.2	MG/KG		=	
REG	Barium	104	MG/KG		=	
REG	Beryllium	0.61	MG/KG	B	U	F07
REG	Cadmium	1	MG/KG	U	U	
REG	Calcium	4690	MG/KG		=	
REG	Chromium	18.1	MG/KG		=	
REG	Cobalt	9.1	MG/KG	B	J	
REG	Copper	27.6	MG/KG		=	
REG	Iron	23600	MG/KG		=	
REG	Lead	20.8	MG/KG		=	
REG	Magnesium	2760	MG/KG		=	
REG	Manganese	583	MG/KG		J	I01
REG	Mercury	0.042	MG/KG	B	J	
REG	Nickel	17.7	MG/KG		=	
REG	Potassium	1950	MG/KG		=	
REG	Selenium	1	MG/KG	U	U	
REG	Silver	2	MG/KG	U	U	
REG	Sodium	112	MG/KG	B	J	
REG	Thallium	1	MG/KG	U	U	
REG	Vanadium	26.1	MG/KG		=	
REG	Zinc	532	MG/KG	MBB	=	

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	670	UG/KG	U	U	
REG	1,2-Dichlorobenzene	670	UG/KG	U	U	
REG	1,3-Dichlorobenzene	670	UG/KG	U	U	
REG	1,4-Dichlorobenzene	670	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	670	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	670	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	670	UG/KG	U	U	
REG	2,4-Dichlorophenol	670	UG/KG	U	U	
REG	2,4-Dimethylphenol	670	UG/KG	U	U	
REG	2,4-Dinitrophenol	1600	UG/KG	U	U	
REG	2,4-Dinitrotoluene	670	UG/KG	U	U	
REG	2,6-Dinitrotoluene	670	UG/KG	U	U	
REG	2-Chloronaphthalene	670	UG/KG	U	U	
REG	2-Chlorophenol	670	UG/KG	U	U	
REG	2-Methylnaphthalene	670	UG/KG	U	U	
REG	2-Methylphenol	670	UG/KG	U	U	
REG	2-Nitroaniline	1600	UG/KG	U	U	
REG	2-Nitrophenol	670	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	670	UG/KG	U	U	
REG	3-Nitroaniline	1600	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1800	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	670	UG/KG	U	U	
REG	4-Chloroaniline	670	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	670	UG/KG	U	U	
REG	4-Methylphenol	670	UG/KG	U	U	
REG	4-Nitroaniline	1600	UG/KG	U	U	
REG	4-Nitrophenol	1600	UG/KG	U	U	
REG	4-chloro-3-methylphenol	670	UG/KG	U	U	
REG	Acenaphthene	670	UG/KG	U	U	
REG	Acenaphthylene	670	UG/KG	U	U	
REG	Anthracene	670	UG/KG	U	U	
REG	Benzo(a)anthracene	73	UG/KG	J	J	
REG	Benzo(a)pyrene	670	UG/KG	U	U	
REG	Benzo(b)fluoranthene	670	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	670	UG/KG	U	U	
REG	Benzo(k)fluoranthene	670	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	670	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	670	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	670	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	670	UG/KG	U	U	
REG	Carbazole	670	UG/KG	U	U	
REG	Chrysene	670	UG/KG	U	U	
REG	Di-n-butyl Phthalate	670	UG/KG	U	U	
REG	Di-n-octyl Phthalate	670	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	670	UG/KG	U	U	
REG	Dibenzofuran	670	UG/KG	U	U	
REG	Diethyl Phthalate	670	UG/KG	U	U	
REG	Dimethyl Phthalate	670	UG/KG	U	U	
REG	Fluoranthene	91	UG/KG	J	J	
REG	Fluorene	670	UG/KG	U	U	
REG	Hexachlorobenzene	670	UG/KG	U	U	
REG	Hexachlorobutadiene	670	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	670	UG/KG	U	U	
REG	Hexachloroethane	670	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	670	UG/KG	U	U	
REG	Isophorone	670	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	670	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	670	UG/KG	U	U	
REG	Naphthalene	670	UG/KG	U	U	
REG	Nitrobenzene	670	UG/KG	U	U	
REG	Pentachlorophenol	670	UG/KG	U	U	
REG	Phenanthrene	670	UG/KG	U	U	
REG	Phenol	670	UG/KG	U	U	
REG	Pyrene	88	UG/KG	J	J	

BKGad-001(d)-0898-FD 0.0 - 0.5 FT

Field Sample Type: Field Duplicate

Matrix: Sediment

Collected: 04/27/98

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

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13800	MG/KG	=		

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGsd-001

BKGsd-001(d)-0898-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Sediment Collected: 04/27/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Antimony	1.1	MG/KG	U	UJ	102
REG	Arsenic	17.2	MG/KG		=	
REG	Barium	116	MG/KG		=	
REG	Beryllium	0.66	MG/KG	B	U	F06
REG	Cadmium	1.1	MG/KG	U	U	
REG	Calcium	4810	MG/KG		=	
REG	Chromium	24.4	MG/KG		=	
REG	Cobalt	11	MG/KG	B	J	
REG	Copper	78.9	MG/KG		=	
REG	Iron	53800	MG/KG		=	
REG	Lead	26.2	MG/KG		=	
REG	Magnesium	2700	MG/KG		=	
REG	Manganese	744	MG/KG		J	101
REG	Mercury	0.048	MG/KG	B	J	
REG	Nickel	26.2	MG/KG		=	
REG	Potassium	1820	MG/KG		=	
REG	Selenium	1.1	MG/KG	U	U	
REG	Silver	2.1	MG/KG	U	U	
REG	Sodium	119	MG/KG	B	J	
REG	Thallium	1.1	MG/KG	U	U	
REG	Vanadium	27.2	MG/KG		=	
REG	Zinc	735	MG/KG	MBB	=	

Location: BACKGROUND
Station: BKGsd-002

BKGsd-002(d)-0800-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	1.5	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11500	MG/KG		=	
REG	Antimony	1.5	MG/KG	U	UJ	102
REG	Arsenic	11.2	MG/KG		=	
REG	Barium	123	MG/KG		=	
REG	Beryllium	0.59	MG/KG	B	U	F06
REG	Cadmium	1.5	MG/KG	U	U	
REG	Calcium	5510	MG/KG		J	101
REG	Chromium	15.5	MG/KG		=	
REG	Cobalt	7.9	MG/KG	B	J	
REG	Copper	20.3	MG/KG		=	
REG	Iron	23500	MG/KG		=	
REG	Lead	27.4	MG/KG		=	
REG	Magnesium	2240	MG/KG		=	
REG	Manganese	978	MG/KG	MBB	=	
REG	Mercury	0.059	MG/KG	B	J	
REG	Nickel	17	MG/KG		UJ	D05,F07
REG	Potassium	990	MG/KG	B	J	
REG	Selenium	1.5	MG/KG	U	U	
REG	Silver	3	MG/KG	U	U	
REG	Sodium	174	MG/KG	B	U	F01,F06
REG	Thallium	1.5	MG/KG	U	UJ	D05
REG	Vanadium	21.8	MG/KG		=	
REG	Zinc	109	MG/KG		=	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	980	UG/KG	U	U	
REG	1,2-Dichlorobenzene	980	UG/KG	U	U	
REG	1,3-Dichlorobenzene	980	UG/KG	U	U	
REG	1,4-Dichlorobenzene	980	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	980	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	980	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	980	UG/KG	U	U	
REG	2,4-Dichlorophenol	980	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGsd-002

BKGsd-002(d)-0800-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/23/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4-Dimethylphenol	980	UG/KG	U	U	
REG	2,4-Dinitrophenol	2400	UG/KG	U	U	
REG	2,4-Dinitrotoluene	980	UG/KG	U	U	
REG	2,6-Dinitrotoluene	980	UG/KG	U	U	
REG	2-Chloronaphthalene	980	UG/KG	U	U	
REG	2-Chlorophenol	980	UG/KG	U	U	
REG	2-Methylnaphthalene	980	UG/KG	U	U	
REG	2-Methylphenol	980	UG/KG	U	U	
REG	2-Nitroaniline	2400	UG/KG	U	U	
REG	2-Nitrophenol	980	UG/KG	U	U	
REG	3,3-Dichlorobenzidine	980	UG/KG	U	U	
REG	3-Nitroaniline	2400	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	2400	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	980	UG/KG	U	U	
REG	4-Chloroaniline	980	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	980	UG/KG	U	U	
REG	4-Methylphenol	980	UG/KG	U	U	
REG	4-Nitroaniline	2400	UG/KG	U	U	
REG	4-Nitrophenol	2400	UG/KG	U	U	
REG	4-chloro-3-methylphenol	980	UG/KG	U	U	
REG	Acenaphthene	980	UG/KG	U	U	
REG	Acenaphthylene	980	UG/KG	U	U	
REG	Anthracene	980	UG/KG	U	U	
REG	Benzo(a)anthracene	980	UG/KG	U	U	
REG	Benzo(a)pyrene	980	UG/KG	U	U	
REG	Benzo(b)fluoranthene	980	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	980	UG/KG	U	U	
REG	Benzo(k)fluoranthene	980	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	980	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	980	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	980	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	980	UG/KG	U	U	
REG	Carbazole	980	UG/KG	U	U	
REG	Chrysene	980	UG/KG	U	U	
REG	Di-n-butyl Phthalate	980	UG/KG	U	U	
REG	Di-n-octyl Phthalate	980	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	980	UG/KG	U	U	
REG	Dibenzofuran	980	UG/KG	U	U	
REG	Diethyl Phthalate	980	UG/KG	U	U	
REG	Dimethyl Phthalate	980	UG/KG	U	U	
REG	Fluoranthene	160	UG/KG	J	J	
REG	Fluorene	980	UG/KG	U	U	
REG	Hexachlorobenzene	980	UG/KG	U	U	
REG	Hexachlorobutadiene	980	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	980	UG/KG	U	U	
REG	Hexachloroethane	980	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	980	UG/KG	U	U	
REG	Isophorone	980	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	980	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	980	UG/KG	U	U	
REG	Naphthalene	980	UG/KG	U	U	
REG	Nitrobenzene	980	UG/KG	U	U	
REG	Pentachlorophenol	980	UG/KG	U	U	
REG	Phenanthrene	980	UG/KG	U	U	
REG	Phenol	980	UG/KG	U	U	
REG	Pyrene	110	UG/KG	J	J	

Location: BACKGROUND
Station : BKGsd-003

BKGsd-003(d)-0801-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.91	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
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Location: BACKGROUND
Station: BKGsd-003

BKGsd-003(d)-0801-SD 0.0 - 0.5 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	4330	MG/KG	=		
REG	Antimony	0.91	MG/KG	U	UJ	I02
REG	Arsenic	8.3	MG/KG	=		
REG	Barium	58.1	MG/KG	=		
REG	Beryllium	0.29	MG/KG	B	U	F06
REG	Cadmium	0.91	MG/KG	U	U	
REG	Calcium	1690	MG/KG	J		I01
REG	Chromium	6.3	MG/KG	=		
REG	Cobalt	6.2	MG/KG	B	J	
REG	Copper	12.6	MG/KG	=		
REG	Iron	11800	MG/KG	=		
REG	Lead	13.6	MG/KG	=		
REG	Magnesium	1020	MG/KG	=		
REG	Manganese	765	MG/KG	MBB	=	
REG	Mercury	0.18	MG/KG	U	U	
REG	Nickel	8.4	MG/KG	UJ		D05,F07
REG	Potassium	359	MG/KG	B	J	
REG	Selenium	0.91	MG/KG	U	U	
REG	Silver	1.8	MG/KG	U	U	
REG	Sodium	115	MG/KG	B	U	F01,F06
REG	Thallium	0.91	MG/KG	U	UJ	D05
REG	Vanadium	9.5	MG/KG	=		
REG	Zinc	71.4	MG/KG	=		

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	600	UG/KG	U	U	
REG	1,2-Dichlorobenzene	600	UG/KG	U	U	
REG	1,3-Dichlorobenzene	600	UG/KG	U	U	
REG	1,4-Dichlorobenzene	600	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	600	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	600	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	600	UG/KG	U	U	
REG	2,4-Dichlorophenol	600	UG/KG	U	U	
REG	2,4-Dimethylphenol	600	UG/KG	U	U	
REG	2,4-Dinitrophenol	1500	UG/KG	U	U	
REG	2,4-Dinitrotoluene	600	UG/KG	U	U	
REG	2,6-Dinitrotoluene	600	UG/KG	U	U	
REG	2-Chloronaphthalene	600	UG/KG	U	U	
REG	2-Chlorophenol	600	UG/KG	U	U	
REG	2-Methylnaphthalene	600	UG/KG	U	U	
REG	2-Methylphenol	600	UG/KG	U	U	
REG	2-Nitroaniline	1500	UG/KG	U	U	
REG	2-Nitrophenol	600	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	600	UG/KG	U	U	
REG	3-Nitroaniline	1500	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1500	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	600	UG/KG	U	U	
REG	4-Chloroaniline	600	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	600	UG/KG	U	U	
REG	4-Methylphenol	600	UG/KG	U	U	
REG	4-Nitroaniline	1500	UG/KG	U	U	
REG	4-Nitrophenol	1500	UG/KG	U	U	
REG	4-chloro-3-methylphenol	600	UG/KG	U	U	
REG	Acenaphthene	600	UG/KG	U	U	
REG	Acenaphthylene	600	UG/KG	U	U	
REG	Anthracene	600	UG/KG	U	U	
REG	Benzo(a)anthracene	100	UG/KG	J	J	
REG	Benzo(a)pyrene	600	UG/KG	U	U	
REG	Benzo(b)fluoranthene	120	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	600	UG/KG	U	U	
REG	Benzo(k)fluoranthene	600	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	600	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	600	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	600	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	600	UG/KG	U	U	
REG	Carbazole	600	UG/KG	U	U	
REG	Chrysene	95	UG/KG	J	J	
REG	Di-n-butyl Phthalate	600	UG/KG	U	U	

Location: BACKGROUND
Station: BKGsd-003

BKGsd-003(d)-0801-SD 0.0 - 0.5 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 04/23/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Di-n-octyl Phthalate	800	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	600	UG/KG	U	U	
REG	Dibenzofuran	800	UG/KG	U	U	
REG	Diethyl Phthalate	800	UG/KG	U	U	
REG	Dimethyl Phthalate	600	UG/KG	U	U	
REG	Fluoranthene	190	UG/KG	J	J	
REG	Fluorene	600	UG/KG	U	U	
REG	Hexachlorobenzene	800	UG/KG	U	U	
REG	Hexachlorobutadiene	800	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	600	UG/KG	U	U	
REG	Hexachloroethane	800	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	600	UG/KG	U	U	
REG	Isophorone	600	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	600	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	600	UG/KG	U	U	
REG	Naphthalene	800	UG/KG	U	U	
REG	Nitrobenzene	600	UG/KG	U	U	
REG	Pentachlorophenol	600	UG/KG	U	U	
REG	Phenanthrene	800	UG/KG	U	U	
REG	Phenol	800	UG/KG	U	U	
REG	Pyrene	170	UG/KG	J	J	

Location: BACKGROUND
Station: BKGsd-004

BKGsd-004(d)-0802-SD 0.0 - 0.6 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.65	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	2610	MG/KG	=	=	
REG	Antimony	0.65	MG/KG	U	UJ	102
REG	Arsenic	6.4	MG/KG	=	=	
REG	Barium	15.7	MG/KG	B	J	
REG	Beryllium	0.11	MG/KG	B	U	F06
REG	Cadmium	0.65	MG/KG	U	U	
REG	Calcium	920	MG/KG	=	=	
REG	Chromium	4	MG/KG	=	=	
REG	Cobalt	3.1	MG/KG	B	J	
REG	Copper	5.9	MG/KG	=	=	
REG	Iron	8080	MG/KG	=	=	
REG	Lead	5.2	MG/KG	=	=	
REG	Magnesium	799	MG/KG	=	=	
REG	Manganese	154	MG/KG	J	J	101
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	6.1	MG/KG	=	=	
REG	Potassium	482	MG/KG	B	J	
REG	Selenium	0.65	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	63.6	MG/KG	B	J	
REG	Thallium	0.89	MG/KG	=	=	
REG	Vanadium	5.7	MG/KG	B	J	
REG	Zinc	32.2	MG/KG	MBD	=	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	4.3	UG/KG	U	U	
REG	4,4'-DDE	4.3	UG/KG	U	U	
REG	4,4'-DDT	4.3	UG/KG	U	U	
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	22	UG/KG	U	U	
REG	Aroclor-1221	22	UG/KG	U	U	
REG	Aroclor-1232	22	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGsd-004

BKGsd-004(d)-0802-SD 0.0 - 0.5 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 04/27/98

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aroclor-1242	22	UG/KG	U	U	
REG	Aroclor-1248	22	UG/KG	U	U	
REG	Aroclor-1254	43	UG/KG	U	U	
REG	Aroclor-1280	43	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	U	
REG	Endrin	4.3	UG/KG	U	U	
REG	Endrin Aldehyde	4.3	UG/KG	U	U	
REG	Endrin Ketone	4.3	UG/KG	U	U	
REG	Gamma Chlordane	2.2	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	2.2	UG/KG	U	U	
REG	Heptachlor	2.2	UG/KG	U	U	
REG	Heptachlor Epoxide	2.2	UG/KG	U	U	
REG	Methoxychlor	22	UG/KG	U	U	
REG	Toxaphene	110	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	430	UG/KG	U	U	
REG	1,2-Dichlorobenzene	430	UG/KG	U	U	
REG	1,3-Dichlorobenzene	430	UG/KG	U	U	
REG	1,4-Dichlorobenzene	430	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	430	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	430	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	430	UG/KG	U	U	
REG	2,4-Dichlorophenol	430	UG/KG	U	U	
REG	2,4-Dimethylphenol	430	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	430	UG/KG	U	U	
REG	2,6-Dinitrotoluene	430	UG/KG	U	U	
REG	2-Chloronaphthalene	430	UG/KG	U	U	
REG	2-Chlorophenol	430	UG/KG	U	U	
REG	2-Methylnaphthalene	430	UG/KG	U	U	
REG	2-Methylphenol	430	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	430	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	430	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	430	UG/KG	U	U	
REG	4-Chloroaniline	430	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	430	UG/KG	U	U	
REG	4-Methylphenol	430	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	U	
REG	4-chloro-3-methylphenol	430	UG/KG	U	U	
REG	Acenaphthene	430	UG/KG	U	U	
REG	Acenaphthylene	430	UG/KG	U	U	
REG	Anthracene	430	UG/KG	U	U	
REG	Benzo(a)anthracene	430	UG/KG	U	U	
REG	Benzo(a)pyrene	430	UG/KG	U	U	
REG	Benzo(b)fluoranthene	430	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	430	UG/KG	U	U	
REG	Benzo(k)fluoranthene	430	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	430	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	430	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	430	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	430	UG/KG	U	U	
REG	Carbazole	430	UG/KG	U	U	
REG	Chrysene	430	UG/KG	U	U	
REG	Di-n-butyl Phthalate	430	UG/KG	U	U	
REG	Di-n-octyl Phthalate	430	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	430	UG/KG	U	U	
REG	Dibenzofuran	430	UG/KG	U	U	
REG	Diethyl Phthalate	430	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGsd-004

BKGsd-004(d)-0802-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Dimethyl Phthalate	430	UG/KG	U	U	
REG	Fluoranthene	430	UG/KG	U	U	
REG	Fluorene	430	UG/KG	U	U	
REG	Hexachlorobenzene	430	UG/KG	U	U	
REG	Hexachlorobutadiene	430	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	430	UG/KG	U	U	
REG	Hexachloroethane	430	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	430	UG/KG	U	U	
REG	Isophorone	430	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	430	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	430	UG/KG	U	U	
REG	Naphthalene	430	UG/KG	U	U	
REG	Nitrobenzene	430	UG/KG	U	U	
REG	Pentachlorophenol	430	UG/KG	U	U	
REG	Phenanthrene	430	UG/KG	U	U	
REG	Phenol	430	UG/KG	U	U	
REG	Pyrene	430	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	6.5	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.5	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.5	UG/KG	U	U	
REG	1,1-Dichloroethane	6.5	UG/KG	U	U	
REG	1,1-Dichloroethene	6.5	UG/KG	U	U	
REG	1,2-Dichloroethane	6.5	UG/KG	U	U	
REG	1,2-Dichloroethene	6.5	UG/KG	U	U	
REG	1,2-Dichloropropane	6.5	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.5	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.5	UG/KG	U	U	
REG	2-Butanone	13	UG/KG	U	U	
REG	2-Hexanone	13	UG/KG	U	U	
REG	4-Methyl-2-pentanone	13	UG/KG	U	U	
REG	Acetone	13	UG/KG	U	UJ	C05
REG	Benzene	6.5	UG/KG	U	U	
REG	Bromodichloromethane	6.5	UG/KG	U	U	
REG	Bromoform	6.5	UG/KG	U	U	
REG	Bromomethane	13	UG/KG	U	U	
REG	Carbon Disulfide	6.5	UG/KG	U	U	
REG	Carbon Tetrachloride	6.5	UG/KG	U	U	
REG	Chlorobenzene	6.5	UG/KG	U	U	
REG	Chloroethane	13	UG/KG	U	U	
REG	Chloroform	6.5	UG/KG	U	U	
REG	Chloromethane	13	UG/KG	U	U	
REG	Dibromochloromethane	6.5	UG/KG	U	U	
REG	Ethylbenzene	6.5	UG/KG	U	U	
REG	Methylene Chloride	6.5	UG/KG	U	U	
REG	Styrene	6.5	UG/KG	U	U	
REG	Tetrachloroethene	6.5	UG/KG	U	U	
REG	Toluene	6.5	UG/KG	U	U	
REG	Trichloroethene	6.5	UG/KG	U	U	
REG	Vinyl Chloride	13	UG/KG	U	U	
REG	Xylenes, Total	6.5	UG/KG	U	U	

Location: BACKGROUND
Station : BKGsd-005

BKGsd-005(d)-0803-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	2860	MG/KG		=	
REG	Antimony	0.6	MG/KG	U	UJ	I02
REG	Arsenic	5.1	MG/KG		=	

Location: BACKGROUND
Station: BKGsd-005

BKGsd-005(d)-0803-SD 0.0 - 0.5 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 04/27/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Barium	21	MG/KG	B	J	
REG	Beryllium	0.15	MG/KG	B	J	
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	695	MG/KG	U	U	F01,F07
REG	Chromium	4.3	MG/KG	=	=	
REG	Cobalt	3.5	MG/KG	B	J	
REG	Copper	3.6	MG/KG	=	=	
REG	Iron	8050	MG/KG	=	=	
REG	Lead	4.6	MG/KG	=	=	
REG	Magnesium	987	MG/KG	=	=	
REG	Manganese	247	MG/KG	J	J	101
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	6.9	MG/KG	=	=	
REG	Potassium	363	MG/KG	B	J	
REG	Selenium	0.6	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	24.7	MG/KG	B	J	
REG	Thallium	0.6	MG/KG	U	U	
REG	Vanadium	5.5	MG/KG	B	J	
REG	Zinc	29.1	MG/KG	MBD	=	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	3.9	UG/KG	U	U	
REG	4,4'-DDE	3.9	UG/KG	U	U	
REG	4,4'-DDT	3.9	UG/KG	U	U	
REG	Aldrin	2	UG/KG	U	U	
REG	Alpha Chlordane	2	UG/KG	U	U	
REG	Alpha-BHC	2	UG/KG	U	U	
REG	Aroclor-1016	20	UG/KG	U	U	
REG	Aroclor-1221	20	UG/KG	U	U	
REG	Aroclor-1232	20	UG/KG	U	U	
REG	Aroclor-1242	20	UG/KG	U	U	
REG	Aroclor-1248	20	UG/KG	U	U	
REG	Aroclor-1254	39	UG/KG	U	U	
REG	Aroclor-1260	39	UG/KG	U	U	
REG	Beta-BHC	2	UG/KG	U	U	
REG	Delta-BHC	2	UG/KG	U	U	
REG	Dieldrin	3.9	UG/KG	U	U	
REG	Endosulfan I	2	UG/KG	U	U	
REG	Endosulfan II	3.9	UG/KG	U	U	
REG	Endosulfan Sulfate	3.9	UG/KG	U	U	
REG	Endrin	3.9	UG/KG	U	U	
REG	Endrin Aldehyde	3.9	UG/KG	U	U	
REG	Endrin Ketone	3.9	UG/KG	U	U	
REG	Gamma Chlordane	2	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	2	UG/KG	U	U	
REG	Heptachlor	2	UG/KG	U	U	
REG	Heptachlor Epoxide	2	UG/KG	U	U	
REG	Methoxychlor	20	UG/KG	U	U	
REG	Toxaphene	99	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	950	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,8-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGsd-005

BKGsd-005(d)-0803-SD 0.0 - 0.5 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 04/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	950	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	950	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	950	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	U	
REG	4-Chloroaniline	390	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	U	
REG	4-Methylphenol	390	UG/KG	U	U	
REG	4-Nitroaniline	950	UG/KG	U	U	
REG	4-Nitrophenol	950	UG/KG	U	U	
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	
REG	Anthracene	390	UG/KG	U	U	
REG	Benzo(a)anthracene	390	UG/KG	U	U	
REG	Benzo(a)pyrene	390	UG/KG	U	U	
REG	Benzo(b)fluoranthene	390	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U	U	
REG	Benzo(k)fluoranthene	390	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	390	UG/KG	U	U	
REG	Chrysene	390	UG/KG	U	U	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	U	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	47	UG/KG	J	J	
REG	Fluorene	390	UG/KG	U	U	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	U	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	390	UG/KG	U	U	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	390	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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	8	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-Dichloropropane	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	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	UJ	C05
REG	Benzene	6	UG/KG	U	U	
REG	Bromodichloromethane	6	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGad-005

BKGsd-005(d)-0803-SD 0.0 - 0.5 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 04/27/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Bromoform	6	UG/KG	U	U	
REG	Bromomethane	12	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	12	UG/KG	U	U	
REG	Chloroform	6	UG/KG	U	U	
REG	Chloromethane	12	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	12	UG/KG	U	U	
REG	Xylenes, Total	6	UG/KG	U	U	

BKGsd-005(d)-0900-FD 0.0 - 0.5 FT

Field Sample Type: Field Duplicate

Matrix: Sediment

Collected: 04/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	410	UG/KG	U	U	
REG	1,2-Dichlorobenzene	410	UG/KG	U	U	
REG	1,3-Dichlorobenzene	410	UG/KG	U	U	
REG	1,4-Dichlorobenzene	410	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	410	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	410	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	410	UG/KG	U	U	
REG	2,4-Dichlorophenol	410	UG/KG	U	U	
REG	2,4-Dimethylphenol	410	UG/KG	U	U	
REG	2,4-Dinitrophenol	990	UG/KG	U	U	
REG	2,4-Dinitrotoluene	410	UG/KG	U	U	
REG	2,6-Dinitrotoluene	410	UG/KG	U	U	
REG	2-Chloronaphthalene	410	UG/KG	U	U	
REG	2-Chlorophenol	410	UG/KG	U	U	
REG	2-Methylnaphthalene	410	UG/KG	U	U	
REG	2-Methylphenol	410	UG/KG	U	U	
REG	2-Nitroaniline	990	UG/KG	U	U	
REG	2-Nitrophenol	410	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	410	UG/KG	U	U	
REG	3-Nitroaniline	990	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	990	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	410	UG/KG	U	U	
REG	4-Chloroaniline	410	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	410	UG/KG	U	U	
REG	4-Methylphenol	410	UG/KG	U	U	
REG	4-Nitroaniline	990	UG/KG	U	U	
REG	4-Nitrophenol	990	UG/KG	U	U	
REG	4-chloro-3-methylphenol	410	UG/KG	U	U	
REG	Acenaphthene	410	UG/KG	U	U	
REG	Acenaphthylene	410	UG/KG	U	U	
REG	Anthracene	410	UG/KG	U	U	
REG	Benzo(a)anthracene	410	UG/KG	U	U	
REG	Benzo(a)pyrene	410	UG/KG	U	U	
REG	Benzo(b)fluoranthene	410	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	410	UG/KG	U	U	
REG	Benzo(k)fluoranthene	410	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	410	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	410	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	410	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	410	UG/KG	U	U	
REG	Carbazole	410	UG/KG	U	U	
REG	Chrysene	410	UG/KG	U	U	
REG	Di-n-butyl Phthalate	410	UG/KG	U	U	
REG	Di-n-octyl Phthalate	410	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	410	UG/KG	U	U	
REG	Dibenzofuran	410	UG/KG	U	U	
REG	Diethyl Phthalate	410	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGsd-005

BKGsd-005(d)-0900-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Sediment Collected: 04/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Dimethyl Phthalate	410	UG/KG	U	U	
REG	Fluoranthene	410	UG/KG	U	U	
REG	Fluorene	410	UG/KG	U	U	
REG	Hexachlorobenzene	410	UG/KG	U	U	
REG	Hexachlorobutadiene	410	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	410	UG/KG	U	U	
REG	Hexachloroethane	410	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	410	UG/KG	U	U	
REG	Isophorone	410	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	410	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	410	UG/KG	U	U	
REG	Naphthalene	410	UG/KG	U	U	
REG	Nitrobenzene	410	UG/KG	U	U	
REG	Pentachlorophenol	410	UG/KG	U	U	
REG	Phenanthrene	410	UG/KG	U	U	
REG	Phenol	410	UG/KG	U	U	
REG	Pyrene	410	UG/KG	U	U	

Location: BACKGROUND
Station : BKGsd-006

BKGsd-006(d)-0804-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.64	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	1710	MG/KG	=		
REG	Antimony	0.64	MG/KG	U	UJ	102
REG	Arsenic	3.7	MG/KG	=		
REG	Barium	15.2	MG/KG	B	J	
REG	Beryllium	0.64	MG/KG	U	U	
REG	Cadmium	0.64	MG/KG	U	U	
REG	Calcium	381	MG/KG	B	U	F01,F06
REG	Chromium	2.6	MG/KG	=		
REG	Cobalt	2.1	MG/KG	B	J	
REG	Copper	2.5	MG/KG	B	J	
REG	Iron	5170	MG/KG	=		
REG	Lead	3.4	MG/KG	=		
REG	Magnesium	434	MG/KG	B	J	
REG	Manganese	182	MG/KG	J		101
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	4	MG/KG	B	J	
REG	Potassium	195	MG/KG	B	J	
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	22.4	MG/KG	B	J	
REG	Thallium	0.84	MG/KG	U	U	
REG	Vanadium	3.3	MG/KG	B	J	
REG	Zinc	16.2	MG/KG	MBD	=	

Location: BACKGROUND
Station : BKGsd-007

BKGsd-007(d)-0805-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 05/08/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	1.4	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	8100	MG/KG		J	F10
REG	Antimony	1.4	MG/KG	U	UJ	102
REG	Arsenic	19.5	MG/KG		=	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGsd-007

BKGsd-007(d)-0805-SD 0.0 - 0.6 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 05/08/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Barium	96.8	MG/KG	=		
REG	Beryllium	0.38	MG/KG	B	J	
REG	Cadmium	1.4	MG/KG	U	U	
REG	Calcium	2900	MG/KG	=		
REG	Chromium	12.1	MG/KG	=		
REG	Cobalt	8.4	MG/KG	B	J	
REG	Copper	14.4	MG/KG	=		
REG	Iron	28200	MG/KG	=		
REG	Lead	16.3	MG/KG	=		
REG	Magnesium	1880	MG/KG	=		
REG	Manganese	1950	MG/KG	=		
REG	Mercury	0.28	MG/KG	U	U	
REG	Nickel	15.6	MG/KG	J		D05
REG	Potassium	696	MG/KG	B	J	
REG	Selenium	1.7	MG/KG	=		
REG	Silver	2.8	MG/KG	U	U	
REG	Sodium	60	MG/KG	B	U	F01,F06
REG	Thallium	1.4	MG/KG	U	U	
REG	Vanadium	16.1	MG/KG	=		
REG	Zinc	73.4	MG/KG	=		

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	92	UG/KG	U	U	
REG	4,4'-DDE	92	UG/KG	U	U	
REG	4,4'-DDT	92	UG/KG	U	U	
REG	Aldrin	48	UG/KG	U	U	
REG	Alpha Chlordane	48	UG/KG	U	U	
REG	Alpha-BHC	48	UG/KG	U	U	
REG	Aroclor-1016	480	UG/KG	U	U	
REG	Aroclor-1221	480	UG/KG	U	U	
REG	Aroclor-1232	480	UG/KG	U	U	
REG	Aroclor-1242	480	UG/KG	U	U	
REG	Aroclor-1248	480	UG/KG	U	U	
REG	Aroclor-1254	920	UG/KG	U	U	
REG	Aroclor-1260	920	UG/KG	U	U	
REG	Beta-BHC	48	UG/KG	U	U	
REG	Delta-BHC	48	UG/KG	U	U	
REG	Dieldrin	92	UG/KG	U	U	
REG	Endosulfan I	48	UG/KG	U	U	
REG	Endosulfan II	92	UG/KG	U	U	
REG	Endosulfan Sulfate	92	UG/KG	U	U	
REG	Endrin	92	UG/KG	U	U	
REG	Endrin Aldehyde	92	UG/KG	U	U	
REG	Endrin Ketone	92	UG/KG	U	U	
REG	Gamma Chlordane	48	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	48	UG/KG	U	U	
REG	Heptachlor	48	UG/KG	U	U	
REG	Heptachlor Epoxide	48	UG/KG	U	U	
REG	Methoxychlor	480	UG/KG	U	U	
REG	Toxaphene	2300	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	920	UG/KG	U	U	
REG	1,2-Dichlorobenzene	920	UG/KG	U	U	
REG	1,3-Dichlorobenzene	920	UG/KG	U	U	
REG	1,4-Dichlorobenzene	920	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	920	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	920	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	920	UG/KG	U	U	
REG	2,4-Dichlorophenol	920	UG/KG	U	U	
REG	2,4-Dimethylphenol	920	UG/KG	U	U	
REG	2,4-Dinitrophenol	2200	UG/KG	U	U	
REG	2,4-Dinitrotoluene	920	UG/KG	U	U	
REG	2,6-Dinitrotoluene	920	UG/KG	U	U	
REG	2-Chloronaphthalene	920	UG/KG	U	U	
REG	2-Chlorophenol	920	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGsd-007

BKGsd-007(d)-0805-SD 0.0 - 0.5 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 05/08/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2-Methylnaphthalena	920	UG/KG	U	U	
REG	2-Methylphenol	920	UG/KG	U	U	
REG	2-Nitroaniline	2200	UG/KG	U	U	
REG	2-Nitrophenol	920	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	920	UG/KG	U	U	
REG	3-Nitroaniline	2200	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	2200	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	920	UG/KG	U	U	
REG	4-Chloroaniline	920	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	920	UG/KG	U	U	
REG	4-Methylphenol	920	UG/KG	U	U	
REG	4-Nitroaniline	2200	UG/KG	U	U	
REG	4-Nitrophenol	2200	UG/KG	U	U	
REG	4-chloro-3-methylphenol	920	UG/KG	U	U	
REG	Acenaphthene	920	UG/KG	U	U	
REG	Acenaphthylene	920	UG/KG	U	U	
REG	Anthracene	920	UG/KG	U	U	
REG	Benzo(a)anthracene	920	UG/KG	U	U	
REG	Benzo(a)pyrene	920	UG/KG	U	U	
REG	Benzo(b)fluoranthene	920	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	920	UG/KG	U	U	
REG	Benzo(k)fluoranthene	920	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	920	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	920	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	920	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	920	UG/KG	U	U	
REG	Carbazole	920	UG/KG	U	U	
REG	Chrysene	920	UG/KG	U	U	
REG	Di-n-butyl Phthalate	920	UG/KG	U	U	
REG	Di-n-octyl Phthalate	920	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	920	UG/KG	U	U	
REG	Dibenzofuran	920	UG/KG	U	U	
REG	Diethyl Phthalate	920	UG/KG	U	U	
REG	Dimethyl Phthalate	920	UG/KG	U	U	
REG	Fluoranthene	920	UG/KG	U	U	
REG	Fluorene	920	UG/KG	U	U	
REG	Hexachlorobenzene	920	UG/KG	U	U	
REG	Hexachlorobutadiene	920	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	920	UG/KG	U	U	
REG	Hexachloroethane	920	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	920	UG/KG	U	U	
REG	Isophorone	920	UG/KG	U	U	
REG	N-Nitroso-dl-n-propylamine	920	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	920	UG/KG	U	U	
REG	Naphthalene	920	UG/KG	U	U	
REG	Nitrobenzene	920	UG/KG	U	U	
REG	Pentachlorophenol	920	UG/KG	U	U	
REG	Phenanthrene	920	UG/KG	U	U	
REG	Phenol	920	UG/KG	U	U	
REG	Pyrene	920	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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-Dichloroethane	14	UG/KG	U	U	
REG	1,2-Dichloroethane	14	UG/KG	U	U	
REG	1,2-Dichloroethane	14	UG/KG	U	U	
REG	1,2-Dichloropropane	14	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	14	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	14	UG/KG	U	U	
REG	2-Butanone	28	UG/KG	U	U	
REG	2-Hexanone	28	UG/KG	U	U	
REG	4-Methyl-2-pentanone	28	UG/KG	U	U	
REG	Acetone	540	UG/KG	J		C05,F08
REG	Benzene	14	UG/KG	U	U	
REG	Bromodichloromethane	14	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGsd-007

BKGsd-007(d)-0805-SD 0.0 - 0.5 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 05/08/98

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Bromoform	14	UG/KG	U	U	
REG	Bromomethane	28	UG/KG	U	U	
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	28	UG/KG	U	U	
REG	Chloroform	14	UG/KG	U	U	
REG	Chloromethane	3	UG/KG	J	J	
REG	Dibromochloromethane	14	UG/KG	U	U	
REG	Ethylbenzene	14	UG/KG	U	U	
REG	Methylene Chloride	14	UG/KG	U	U	
REG	Styrene	14	UG/KG	U	U	
REG	Tetrachloroethane	14	UG/KG	U	U	
REG	Toluene	1.1	UG/KG	J	J	
REG	Trichloroethene	14	UG/KG	U	U	
REG	Vinyl Chloride	28	UG/KG	U	U	
REG	Xylenes, Total	14	UG/KG	U	U	

Location: BACKGROUND
Station: BKGso-004

BKGso-004(b)-0812-SO 2.0 - 3.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	19500	MG/KG		=	
REG	Antimony	0.61	MG/KG	U	UJ	102
REG	Arsenic	15.2	MG/KG		=	
REG	Barium	74.1	MG/KG		=	
REG	Beryllium	0.52	MG/KG	B	J	
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	2260	MG/KG		=	
REG	Chromium	23.3	MG/KG		=	
REG	Cobalt	7.4	MG/KG	B	J	
REG	Copper	23.6	MG/KG		=	
REG	Iron	28800	MG/KG		=	
REG	Lead	12.5	MG/KG		=	
REG	Magnesium	3560	MG/KG		=	
REG	Manganese	216	MG/KG	J	J	101
REG	Mercury	0.033	MG/KG	B	J	
REG	Nickel	19.6	MG/KG		=	
REG	Potassium	1860	MG/KG		=	
REG	Selenium	0.61	MG/KG		=	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	50.7	MG/KG	B	J	
REG	Thallium	0.91	MG/KG		=	
REG	Vanadium	37.6	MG/KG		=	
REG	Zinc	57.8	MG/KG	MBB	=	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	4	UG/KG	U	U	
REG	4,4'-DDE	4	UG/KG	U	U	
REG	4,4'-DDT	4	UG/KG	U	U	
REG	Aldrin	2.1	UG/KG	U	U	
REG	Alpha Chlordane	2.1	UG/KG	U	U	
REG	Alpha-BHC	2.1	UG/KG	U	U	
REG	Aroclor-1016	21	UG/KG	U	U	
REG	Aroclor-1221	21	UG/KG	U	U	
REG	Aroclor-1232	21	UG/KG	U	U	
REG	Aroclor-1242	21	UG/KG	U	U	
REG	Aroclor-1248	21	UG/KG	U	U	
REG	Aroclor-1254	40	UG/KG	U	U	
REG	Aroclor-1260	40	UG/KG	U	U	

Location: BACKGROUND
Station: BKGso-004

BKGso-004(b)-0812-SO 2.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/27/98

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Beta-BHC	2.1	UG/KG	U	U	
REG	Delta-BHC	2.1	UG/KG	U	U	
REG	Dieldrin	4	UG/KG	U	U	
REG	Endosulfan I	2.1	UG/KG	U	U	
REG	Endosulfan II	4	UG/KG	U	U	
REG	Endosulfan Sulfate	4	UG/KG	U	U	
REG	Endrin	4	UG/KG	U	U	
REG	Endrin Aldehyde	4	UG/KG	U	U	
REG	Endrin Ketone	4	UG/KG	U	U	
REG	Gamma Chlordane	2.1	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	2.1	UG/KG	U	U	
REG	Heptachlor	2.1	UG/KG	U	U	
REG	Heptachlor Epoxide	2.1	UG/KG	U	U	
REG	Methoxychlor	21	UG/KG	U	U	
REG	Toxaphene	100	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	980	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	980	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	980	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	980	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	980	UG/KG	U	U	
REG	4-Nitrophenol	980	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	400	UG/KG	U	U	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	400	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	400	UG/KG	U	U	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	400	UG/KG	U	U	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-004

BKGso-004(b)-0812-SO 2.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	400	UG/KG	U	U	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	6.1	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.1	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.1	UG/KG	U	U	
REG	1,1-Dichloroethane	6.1	UG/KG	U	U	
REG	1,1-Dichloroethene	6.1	UG/KG	U	U	
REG	1,2-Dichloroethane	6.1	UG/KG	U	U	
REG	1,2-Dichloroethene	6.1	UG/KG	U	U	
REG	1,2-Dichloropropane	6.1	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.1	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.1	UG/KG	U	U	
REG	2-Butanone	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	UJ	C05
REG	Benzene	6.1	UG/KG	U	U	
REG	Bromodichloromethane	6.1	UG/KG	U	U	
REG	Bromoform	6.1	UG/KG	U	U	
REG	Bromomethane	12	UG/KG	U	U	
REG	Carbon Disulfide	6.1	UG/KG	U	U	
REG	Carbon Tetrachloride	6.1	UG/KG	U	U	
REG	Chlorobenzene	6.1	UG/KG	U	U	
REG	Chloroethane	12	UG/KG	U	U	
REG	Chloroform	6.1	UG/KG	U	U	
REG	Chloromethane	12	UG/KG	U	U	
REG	Dibromochloromethane	6.1	UG/KG	U	U	
REG	Ethylbenzene	6.1	UG/KG	U	U	
REG	Methylene Chloride	6.1	UG/KG	U	U	
REG	Styrene	6.1	UG/KG	U	U	
REG	Tetrachloroethene	6.1	UG/KG	U	U	
REG	Toluene	0.94	UG/KG	J	J	
REG	Trichloroethene	6.1	UG/KG	U	U	
REG	Vinyl Chloride	12	UG/KG	U	U	
REG	Xylenes, Total	6.1	UG/KG	U	U	

BKGso-004(b)-0813-SO 11.0 - 12.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	2450	MG/KG	=	=	
REG	Antimony	0.59	MG/KG	U	UJ	102
REG	Arsenic	12.4	MG/KG	=	=	
REG	Barium	10.7	MG/KG	B	J	
REG	Beryllium	0.59	MG/KG	U	U	
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	273	MG/KG	B	U	F01,F06
REG	Chromium	4.1	MG/KG	=	=	
REG	Cobalt	3.1	MG/KG	B	J	
REG	Copper	15	MG/KG	=	=	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-004

BKGso-004(b)-0813-SO 11.0 - 12.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 04/27/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Iron	10800	MG/KG	=		
REG	Lead	8.9	MG/KG	=		
REG	Magnesium	647	MG/KG	=		
REG	Manganese	130	MG/KG	J		101
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	7.8	MG/KG	=		
REG	Potassium	394	MG/KG	B	J	
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	29.9	MG/KG	B	J	
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	5.6	MG/KG	B	J	
REG	Zinc	53.1	MG/KG	MBD	=	

Location: BACKGROUND
Station: BKGso-005

BKGso-005(b)-0814-SO 1.0 - 3.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.57	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	8410	MG/KG	=		
REG	Antimony	0.59	MG/KG	J		102
REG	Arsenic	17.4	MG/KG	=		
REG	Barium	47.1	MG/KG	J		102
REG	Beryllium	0.27	MG/KG	B	UJ	F08,102
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	4660	MG/KG	=		
REG	Chromium	11	MG/KG	=		
REG	Cobalt	6.6	MG/KG	B	J	
REG	Copper	22.2	MG/KG	=		
REG	Iron	19700	MG/KG	=		
REG	Lead	14.6	MG/KG	=		
REG	Magnesium	2100	MG/KG	J		103
REG	Manganese	458	MG/KG	J		D04
REG	Mercury	0.058	MG/KG	B	U	F01,F06
REG	Nickel	17.2	MG/KG	=		
REG	Potassium	973	MG/KG	=		
REG	Selenium	0.57	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	82	MG/KG	B	U	F01,F06
REG	Thallium	0.57	MG/KG	U	U	
REG	Vanadium	14.7	MG/KG	=		
REG	Zinc	75.7	MG/KG	J		E07

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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	380	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	910	UG/KG	U	U	
REG	2,4-Dinitrotoluene	380	UG/KG	U	U	
REG	2,6-Dinitrotoluene	380	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	910	UG/KG	U	U	

Location: BACKGROUND
Station: BKGso-005

BKGso-005(b)-0814-SO 1.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/04/88

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2-Nitrophenol	380	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	380	UG/KG	U	U	
REG	3-Nitroaniline	910	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	910	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	910	UG/KG	U	U	
REG	4-Nitrophenol	910	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	380	UG/KG	U	U	
REG	Benzo(a)pyrene	380	UG/KG	U	U	
REG	Benzo(b)fluoranthene	380	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	380	UG/KG	U	U	
REG	Benzo(k)fluoranthene	380	UG/KG	U	U	
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	380	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	380	UG/KG	U	U	
REG	Carbazole	380	UG/KG	U	U	
REG	Chrysene	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	78	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	380	UG/KG	U	U	
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	Nitrobenzene	380	UG/KG	U	U	
REG	Pentachlorophenol	380	UG/KG	U	U	
REG	Phenanthrene	380	UG/KG	U	U	
REG	Phenol	380	UG/KG	U	U	
REG	Pyrene	60	UG/KG	J	J	

BKGso-005(b)-0815-SO 7.0 - 8.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/04/88

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.57	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	2870	MG/KG		=	
REG	Antimony	0.57	MG/KG	U	UJ	102
REG	Arsenic	11.8	MG/KG		=	
REG	Barium	18.6	MG/KG	B	J	102
REG	Beryllium	0.11	MG/KG	B	UJ	F06,102
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	547	MG/KG	B	J	
REG	Chromium	5.3	MG/KG		=	
REG	Cobalt	4.7	MG/KG	B	J	
REG	Copper	15.3	MG/KG		=	
REG	Iron	15900	MG/KG		=	
REG	Lead	9.8	MG/KG		=	
REG	Magnesium	845	MG/KG		J	103

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-005

BKGso-005(b)-0815-SO 7.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/04/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Manganese	425	MG/KG	J		D04
REG	Mercury	0.037	MG/KG	B	U	F01,F06
REG	Nickel	11.4	MG/KG	=		
REG	Potassium	528	MG/KG	B	J	
REG	Selenium	0.57	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	44.3	MG/KG	B	U	F01,F06
REG	Thallium	0.57	MG/KG	U	U	
REG	Vanadium	7.4	MG/KG	=		
REG	Zinc	65.9	MG/KG	J		E07

Location: BACKGROUND
Station: BKGso-006

BKGso-006(b)-0816-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	17700	MG/KG	=		
REG	Antimony	0.62	MG/KG	U	UJ	102
REG	Arsenic	10.6	MG/KG	=		
REG	Barium	57.7	MG/KG	=		
REG	Beryllium	0.2	MG/KG	B	U	F06
REG	Cadmium	0.82	MG/KG	U	U	
REG	Calcium	174	MG/KG	B	U	F01,F06
REG	Chromium	18.6	MG/KG	=		
REG	Cobalt	7.1	MG/KG	B	J	
REG	Copper	12.4	MG/KG	=		
REG	Iron	20100	MG/KG	=		
REG	Lead	12	MG/KG	=		
REG	Magnesium	2250	MG/KG	=		
REG	Manganese	143	MG/KG	J		101
REG	Mercury	0.044	MG/KG	B	J	
REG	Nickel	16	MG/KG	=		
REG	Potassium	610	MG/KG	B	J	
REG	Selenium	0.62	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	31.7	MG/KG	B	J	
REG	Thallium	0.62	MG/KG	U	U	
REG	Vanadium	31.5	MG/KG	=		
REG	Zinc	58.9	MG/KG	MBB	=	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	410	UG/KG	U	U	
REG	1,2-Dichlorobenzene	410	UG/KG	U	U	
REG	1,3-Dichlorobenzene	410	UG/KG	U	U	
REG	1,4-Dichlorobenzene	410	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	410	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	410	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	410	UG/KG	U	U	
REG	2,4-Dichlorophenol	410	UG/KG	U	U	
REG	2,4-Dimethylphenol	410	UG/KG	U	U	
REG	2,4-Dinitrophenol	990	UG/KG	U	U	
REG	2,4-Dinitrotoluene	410	UG/KG	U	U	
REG	2,6-Dinitrotoluene	410	UG/KG	U	U	
REG	2-Chloronaphthalene	410	UG/KG	U	U	
REG	2-Chlorophenol	410	UG/KG	U	U	
REG	2-Methylnaphthalene	410	UG/KG	U	U	
REG	2-Methylphenol	410	UG/KG	U	U	
REG	2-Nitroaniline	990	UG/KG	U	U	
REG	2-Nitrophenol	410	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	410	UG/KG	U	U	
REG	3-Nitroaniline	990	UG/KG	U	U	

Location: BACKGROUND
Station: BKGso-006

BKGso-006(b)-0816-SO 1.0 - 2.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,8-Dinitro-o-Cresol	990	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	410	UG/KG	U	U	
REG	4-Chloroaniline	410	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	410	UG/KG	U	U	
REG	4-Methylphenol	410	UG/KG	U	U	
REG	4-Nitroaniline	990	UG/KG	U	U	
REG	4-Nitrophenol	990	UG/KG	U	U	
REG	4-chloro-3-methylphenol	410	UG/KG	U	U	
REG	Acenaphthene	410	UG/KG	U	U	
REG	Acenaphthylene	410	UG/KG	U	U	
REG	Anthracene	410	UG/KG	U	U	
REG	Benzo(a)anthracene	410	UG/KG	U	U	
REG	Benzo(a)pyrene	410	UG/KG	U	U	
REG	Benzo(b)fluoranthene	410	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	410	UG/KG	U	U	
REG	Benzo(k)fluoranthene	410	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	410	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	410	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	410	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	410	UG/KG	U	U	
REG	Carbazole	410	UG/KG	U	U	
REG	Chrysene	410	UG/KG	U	U	
REG	Di-n-butyl Phthalate	410	UG/KG	U	U	
REG	Di-n-octyl Phthalate	410	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	410	UG/KG	U	U	
REG	Dibenzofuran	410	UG/KG	U	U	
REG	Diethyl Phthalate	410	UG/KG	U	U	
REG	Dimethyl Phthalate	410	UG/KG	U	U	
REG	Fluoranthene	410	UG/KG	U	U	
REG	Fluorene	410	UG/KG	U	U	
REG	Hexachlorobenzene	410	UG/KG	U	U	
REG	Hexachlorobutadiene	410	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	410	UG/KG	U	U	
REG	Hexachloroethane	410	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	410	UG/KG	U	U	
REG	Isophorone	410	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	410	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	410	UG/KG	U	U	
REG	Naphthalene	410	UG/KG	U	U	
REG	Nitrobenzene	410	UG/KG	U	U	
REG	Pentachlorophenol	410	UG/KG	U	U	
REG	Phenanthrene	410	UG/KG	U	U	
REG	Phenol	410	UG/KG	U	U	
REG	Pyrene	410	UG/KG	U	U	

BKGso-006(b)-0817-SO 4.0 - 5.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.52	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	1380	MG/KG		=	
REG	Antimony	0.52	MG/KG	U	UJ	102
REG	Arsenic	3.5	MG/KG		=	
REG	Barium	18.7	MG/KG	B	J	
REG	Beryllium	0.15	MG/KG	B	U	F06
REG	Cadmium	0.52	MG/KG	U	U	
REG	Calcium	144	MG/KG	B L	U	F01,F06
REG	Chromium	8.3	MG/KG		=	
REG	Cobalt	2.3	MG/KG	B	J	
REG	Copper	2.9	MG/KG		=	
REG	Iron	3890	MG/KG		=	
REG	Lead	2.5	MG/KG		=	
REG	Magnesium	216	MG/KG	B	J	
REG	Manganese	120	MG/KG		J	101
REG	Mercury	0.1	MG/KG	U	U	
REG	Nickel	3.8	MG/KG	B	J	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-006

BKGso-006(b)-0817-SO 4.0 - 5.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/27/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Potassium	333	MG/KG	B	J	
REG	Selenium	0.52	MG/KG	U	U	
REG	Silver	1	MG/KG	U	U	
REG	Sodium	524	MG/KG	U	U	
REG	Thallium	0.52	MG/KG	U	U	
REG	Vanadium	5.2	MG/KG		=	
REG	Zinc	7.6	MG/KG	MBD	=	

Location: BACKGROUND
Station: BKGso-008

BKGso-008(b)-0820-SO 1.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/26/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	17200	MG/KG		=	
REG	Antimony	0.61	MG/KG	U	UJ	102
REG	Arsenic	15	MG/KG		=	
REG	Barium	58.5	MG/KG		=	
REG	Beryllium	0.5	MG/KG	B	U	F06
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	416	MG/KG	B	J	
REG	Chromium	20.2	MG/KG		=	
REG	Cobalt	7.6	MG/KG	B	J	
REG	Copper	21.4	MG/KG		=	
REG	Iron	25000	MG/KG		=	
REG	Lead	10.9	MG/KG		J	101
REG	Magnesium	3310	MG/KG		=	
REG	Manganese	107	MG/KG		=	
REG	Mercury	0.056	MG/KG	B	U	F01,F06
REG	Nickel	21.9	MG/KG		=	
REG	Potassium	1590	MG/KG		=	
REG	Selenium	0.61	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	64.9	MG/KG	B	R	F01,F05,F10
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	25.6	MG/KG		=	
REG	Zinc	62.8	MG/KG	MBD	=	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	410	UG/KG	U	U	
REG	1,2-Dichlorobenzene	410	UG/KG	U	UJ	C05
REG	1,3-Dichlorobenzene	410	UG/KG	U	U	
REG	1,4-Dichlorobenzene	410	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	410	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	410	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	410	UG/KG	U	U	
REG	2,4-Dichlorophenol	410	UG/KG	U	U	
REG	2,4-Dimethylphenol	410	UG/KG	U	U	
REG	2,4-Dinitrophenol	980	UG/KG	U	U	
REG	2,4-Dinitrotoluene	410	UG/KG	U	UJ	C05
REG	2,6-Dinitrotoluene	410	UG/KG	U	U	
REG	2-Chloronaphthalene	410	UG/KG	U	U	
REG	2-Chlorophenol	410	UG/KG	U	U	
REG	2-Methylnaphthalene	410	UG/KG	U	U	
REG	2-Methylphenol	410	UG/KG	U	U	
REG	2-Nitroaniline	980	UG/KG	U	U	
REG	2-Nitrophenol	410	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	410	UG/KG	U	U	
REG	3-Nitroaniline	980	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	980	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	410	UG/KG	U	U	
REG	4-Chloroaniline	410	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-008

BKGso-008(b)-0820-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/26/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4-Chlorophenyl-phenylether	410	UG/KG	U	U	
REG	4-Methylphenol	410	UG/KG	U	U	
REG	4-Nitroaniline	980	UG/KG	U	UJ	C05
REG	4-Nitrophenol	980	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	410	UG/KG	U	U	
REG	Acenaphthene	410	UG/KG	U	U	
REG	Acenaphthylene	410	UG/KG	U	U	
REG	Anthracene	410	UG/KG	U	U	
REG	Benzo(a)anthracene	410	UG/KG	U	U	
REG	Benzo(a)pyrene	410	UG/KG	U	U	
REG	Benzo(b)fluoranthene	410	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	410	UG/KG	U	U	
REG	Benzo(k)fluoranthene	410	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	410	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	410	UG/KG	U	UJ	C05
REG	Bis(2-ethylhexyl)phthalate	410	UG/KG	U	UJ	C05
REG	Butyl Benzyl Phthalate	410	UG/KG	U	U	
REG	Carbazole	410	UG/KG	U	U	
REG	Chrysene	410	UG/KG	U	U	
REG	Di-n-butyl Phthalate	410	UG/KG	U	U	
REG	Di-n-octyl Phthalate	410	UG/KG	U	UJ	C05
REG	Dibenzo(a,h)anthracene	410	UG/KG	U	U	
REG	Dibenzofuran	410	UG/KG	U	U	
REG	Diethyl Phthalate	410	UG/KG	U	U	
REG	Dimethyl Phthalate	410	UG/KG	U	U	
REG	Fluoranthene	410	UG/KG	U	U	
REG	Fluorene	410	UG/KG	U	U	
REG	Hexachlorobenzene	410	UG/KG	U	U	
REG	Hexachlorobutadiene	410	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	410	UG/KG	U	U	
REG	Hexachloroethane	410	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	410	UG/KG	U	U	
REG	Isophorone	410	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	410	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	410	UG/KG	U	U	
REG	Naphthalene	410	UG/KG	U	U	
REG	Nitrobenzene	410	UG/KG	U	U	
REG	Pentachlorophenol	410	UG/KG	U	U	
REG	Phenanthrene	410	UG/KG	U	U	
REG	Phenol	410	UG/KG	U	U	
REG	Pyrene	410	UG/KG	U	U	

BKGso-008(b)-0821-SO 6.0 - 7.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/26/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	13200	MG/KG		=	
REG	Antimony	0.59	MG/KG	U	UJ	I02
REG	Arsenic	16.6	MG/KG		=	
REG	Barium	60.4	MG/KG		=	
REG	Beryllium	0.68	MG/KG	B	U	F06
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	2040	MG/KG		=	
REG	Chromium	18.7	MG/KG		=	
REG	Cobalt	13.5	MG/KG	B	J	
REG	Copper	21.8	MG/KG		=	
REG	Iron	28400	MG/KG		=	
REG	Lead	12	MG/KG		J	I01
REG	Magnesium	4290	MG/KG		=	
REG	Manganese	388	MG/KG		=	
REG	Mercury	0.038	MG/KG	B	U	F01,F06
REG	Nickel	30.6	MG/KG		=	
REG	Potassium	2210	MG/KG		=	
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGso-008

BKGso-008(b)-0821-SO 6.0 - 7.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/26/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Sodium	88.4	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	19.8	MG/KG		=	
REG	Zinc	71	MG/KG	MBB	=	

Location: BACKGROUND
Station : BKGso-010

BKGso-010(b)-0824-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	16400	MG/KG		=	
REG	Antimony	0.6	MG/KG	U	UJ	102
REG	Arsenic	14.5	MG/KG		=	
REG	Barium	79.5	MG/KG		=	
REG	Beryllium	0.64	MG/KG		=	
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	258	MG/KG	B	U	F01,F06
REG	Chromium	22.1	MG/KG		=	
REG	Cobalt	9.2	MG/KG	B	J	
REG	Copper	21.4	MG/KG		=	
REG	Iron	27100	MG/KG		=	
REG	Lead	12.8	MG/KG		=	
REG	Magnesium	3250	MG/KG		=	
REG	Manganese	188	MG/KG	J	J	101
REG	Mercury	0.033	MG/KG	B	J	
REG	Nickel	24.8	MG/KG		=	
REG	Potassium	1540	MG/KG		=	
REG	Selenium	0.6	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	102	MG/KG	B	J	
REG	Thallium	0.6	MG/KG	U	U	
REG	Vanadium	27.8	MG/KG		=	
REG	Zinc	62	MG/KG	MBB	=	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	960	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	960	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	960	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	960	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	960	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGso-010

BKGso-010(b)-0824-SO 1.0 - 2.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4-Nitrophenol	980	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	400	UG/KG	U	U	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	400	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	400	UG/KG	U	U	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	400	UG/KG	U	U	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	400	UG/KG	U	U	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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-Dichloropropane	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	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	UJ	C05
REG	Benzene	6	UG/KG	U	U	
REG	Bromodichloromethane	6	UG/KG	U	U	
REG	Bromoform	6	UG/KG	U	U	
REG	Bromomethane	12	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	12	UG/KG	U	U	
REG	Chloroform	6	UG/KG	U	U	
REG	Chloromethane	12	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	

Location: BACKGROUND
Station: BKGso-010

BKGso-010(b)-0824-SO 1.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

REG Vinyl Chloride 12 UG/KG U U
REG Xylenes, Total 8 UG/KG U U

BKGso-010(b)-0825-SO 3.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type		Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	8720	MG/KG		=	
REG	Antimony	0.58	MG/KG	U	UJ	I02
REG	Arsenic	9.4	MG/KG		=	
REG	Barium	36.9	MG/KG		=	
REG	Beryllium	0.23	MG/KG	B	U	F06
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	363	MG/KG	B	U	F01,F06
REG	Chromium	10.9	MG/KG		=	
REG	Cobalt	4	MG/KG	B	J	
REG	Copper	9.2	MG/KG		=	
REG	Iron	14100	MG/KG		=	
REG	Lead	10.4	MG/KG		=	
REG	Magnesium	1310	MG/KG		=	
REG	Manganese	139	MG/KG		J	I01
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	10.9	MG/KG		=	
REG	Potassium	771	MG/KG		=	
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	33.4	MG/KG	B	J	
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	12.4	MG/KG		=	
REG	Zinc	29.9	MG/KG	MBD	=	

Location: BACKGROUND
Station: BKGso-012

BKGso-012(b)-0828-SO 2.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type		Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.8	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13800	MG/KG		=	
REG	Antimony	0.8	MG/KG	U	UJ	I02
REG	Arsenic	9.7	MG/KG		=	
REG	Barium	64.7	MG/KG		=	
REG	Beryllium	0.53	MG/KG	B	U	F06
REG	Cadmium	0.8	MG/KG	U	U	
REG	Calcium	1590	MG/KG		=	
REG	Chromium	27.2	MG/KG		=	
REG	Cobalt	5.2	MG/KG	B	J	
REG	Copper	15.1	MG/KG		=	
REG	Iron	23100	MG/KG		=	
REG	Lead	13.3	MG/KG		J	I01
REG	Magnesium	2430	MG/KG		=	
REG	Manganese	144	MG/KG		=	
REG	Mercury	0.085	MG/KG	B	U	F01,F06
REG	Nickel	14.6	MG/KG		=	
REG	Potassium	1680	MG/KG		=	
REG	Selenium	0.8	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	

Location: BACKGROUND
Station : BKGso-012

BKGso-012(b)-0828-SO 2.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/25/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Sodium	65.9	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.8	MG/KG	U	U	
REG	Vanadium	28.3	MG/KG	=	=	
REG	Zinc	48.5	MG/KG	MBD	=	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	970	UG/KG	U	UJ	C05
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	970	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	970	UG/KG	U	U	
REG	4,8-Dinitro-o-Cresol	970	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	970	UG/KG	U	U	
REG	4-Nitrophenol	970	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	400	UG/KG	U	U	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	400	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	400	UG/KG	U	U	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	400	UG/KG	U	U	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	400	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGso-012

BKGso-012(b)-0828-SO 2.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG	U	U	

BKGso-012(b)-0829-SO 11.0 - 12.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.54	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14500	MG/KG		=	
REG	Antimony	0.27	MG/KG	B	J	I02
REG	Arsenic	7.5	MG/KG		=	
REG	Barium	43.8	MG/KG		=	
REG	Beryllium	0.34	MG/KG	B	U	F06
REG	Cadmium	0.54	MG/KG	U	U	
REG	Calcium	993	MG/KG		=	
REG	Chromium	24	MG/KG		=	
REG	Cobalt	13.8	MG/KG	B	J	
REG	Copper	24.4	MG/KG		=	
REG	Iron	18800	MG/KG		=	
REG	Lead	10	MG/KG		J	I01
REG	Magnesium	2610	MG/KG		=	
REG	Manganese	123	MG/KG		=	
REG	Mercury	0.058	MG/KG	B	U	F01,F06
REG	Nickel	47.7	MG/KG		=	
REG	Potassium	2400	MG/KG		=	
REG	Selenium	0.54	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	94.3	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.54	MG/KG	U	U	
REG	Vanadium	16.2	MG/KG		=	
REG	Zinc	93.3	MG/KG	MBB	=	

Location: BACKGROUND
Station : BKGso-014

BKGso-014(b)-0832-SO 2.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13800	MG/KG		=	
REG	Antimony	0.6	MG/KG	U	UJ	I02
REG	Arsenic	16.8	MG/KG		=	
REG	Barium	134	MG/KG		=	
REG	Beryllium	0.68	MG/KG		U	F07
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	1550	MG/KG		J	I01
REG	Chromium	16.9	MG/KG		=	
REG	Cobalt	12.8	MG/KG	B	J	
REG	Copper	18.3	MG/KG		=	
REG	Iron	25900	MG/KG		=	
REG	Lead	13.3	MG/KG		=	
REG	Magnesium	3880	MG/KG		=	
REG	Manganese	425	MG/KG	MBB	=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	33.3	MG/KG		J	D05
REG	Potassium	1060	MG/KG		=	
REG	Selenium	0.6	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	84.5	MG/KG	B	U	F01,F06
REG	Thallium	0.6	MG/KG	U	UJ	D05
REG	Vanadium	19	MG/KG		=	

Location: BACKGROUND
Station: BKGso-014

BKGso-014(b)-0832-SO 2.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/24/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Zinc	60.1	MG/KG	=		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	960	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,6-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	960	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	960	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	960	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	U	
REG	4-Chloroaniline	390	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	U	
REG	4-Methylphenol	390	UG/KG	U	U	
REG	4-Nitroaniline	960	UG/KG	U	U	
REG	4-Nitrophenol	960	UG/KG	U	U	
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	
REG	Anthracene	390	UG/KG	U	U	
REG	Benzo(a)anthracene	390	UG/KG	U	U	
REG	Benzo(a)pyrene	390	UG/KG	U	U	
REG	Benzo(b)fluoranthene	390	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U	U	
REG	Benzo(k)fluoranthene	390	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	390	UG/KG	U	U	
REG	Chrysene	390	UG/KG	U	U	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	U	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	390	UG/KG	U	U	
REG	Fluorene	390	UG/KG	U	U	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	U	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	390	UG/KG	U	U	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	390	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

BKGso-014(b)-0833-SO 7.0 - 8.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11300	MG/KG		=	
REG	Antimony	0.58	MG/KG	U	UJ	I02
REG	Arsenic	15	MG/KG		=	
REG	Barium	88	MG/KG		=	
REG	Beryllium	0.53	MG/KG	B	U	F06
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	21000	MG/KG		J	I01
REG	Chromium	17.6	MG/KG		=	
REG	Cobalt	11.1	MG/KG	B	J	
REG	Copper	23.7	MG/KG		=	
REG	Iron	26900	MG/KG		=	
REG	Lead	9.8	MG/KG		=	
REG	Magnesium	7210	MG/KG		=	
REG	Manganese	252	MG/KG	MBB	=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	25.7	MG/KG		J	D05
REG	Potassium	1880	MG/KG		=	
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	128	MG/KG	B	U	F01,F06
REG	Thallium	0.58	MG/KG	U	UJ	D05
REG	Vanadium	19	MG/KG		=	
REG	Zinc	65	MG/KG		=	

Location: BACKGROUND
Station: BKGso-015

BKGso-015(b)-0834-SO 1.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/05/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11900	MG/KG		=	
REG	Antimony	0.96	MG/KG		J	I02
REG	Arsenic	8.5	MG/KG		=	
REG	Barium	41.8	MG/KG		J	I02
REG	Beryllium	0.44	MG/KG	B	J	I02
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	2290	MG/KG		=	
REG	Chromium	20.7	MG/KG		=	
REG	Cobalt	14.4	MG/KG	B	J	
REG	Copper	30.7	MG/KG		=	
REG	Iron	35200	MG/KG		=	
REG	Lead	17.4	MG/KG		=	
REG	Magnesium	3430	MG/KG		J	I03
REG	Manganese	614	MG/KG		J	D04
REG	Mercury	0.088	MG/KG	B	U	F01,F06
REG	Nickel	24.4	MG/KG		=	
REG	Potassium	1360	MG/KG		=	
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	62.4	MG/KG	B	U	F01,F06
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	23.6	MG/KG		=	
REG	Zinc	74.1	MG/KG		J	E07

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGso-015

BKGso-015(b)-0834-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	940	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,6-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	940	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	940	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	940	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	U	
REG	4-Chloroaniline	390	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	U	
REG	4-Methylphenol	390	UG/KG	U	U	
REG	4-Nitroaniline	940	UG/KG	U	U	
REG	4-Nitrophenol	940	UG/KG	U	U	
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	
REG	Anthracene	390	UG/KG	U	U	
REG	Benzo(a)anthracene	390	UG/KG	U	U	
REG	Benzo(a)pyrene	390	UG/KG	U	U	
REG	Benzo(b)fluoranthene	390	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U	U	
REG	Benzo(k)fluoranthene	390	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	390	UG/KG	U	U	
REG	Chrysene	390	UG/KG	U	U	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	U	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	390	UG/KG	U	U	
REG	Fluorene	390	UG/KG	U	U	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	U	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	390	UG/KG	U	U	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	390	UG/KG	U	U	

BKGso-015(b)-0835-SO 9.0 - 10.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.57	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10500	MG/KG	=		
REG	Antimony	0.57	MG/KG	U	UJ	102

Location: BACKGROUND
Station: BKGso-015

BKGso-015(b)-0835-SO 9.0 - 10.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/05/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Arsenic	5	MG/KG	=		
REG	Barium	80.2	MG/KG	J		I02
REG	Beryllium	0.79	MG/KG	J		I02
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	761	MG/KG	=		
REG	Chromium	20	MG/KG	=		
REG	Cobalt	20	MG/KG	=		
REG	Copper	32.3	MG/KG	=		
REG	Iron	34000	MG/KG	=		
REG	Lead	17.1	MG/KG	=		
REG	Magnesium	3580	MG/KG	J		I03
REG	Manganese	3030	MG/KG	J		D04
REG	Mercury	0.053	MG/KG	B	U	F01,F06
REG	Nickel	60.7	MG/KG	=		
REG	Potassium	1870	MG/KG	=		
REG	Selenium	0.67	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	85.8	MG/KG	B	U	F01,F06
REG	Thallium	0.57	MG/KG	U	U	
REG	Vanadium	19.9	MG/KG	=		
REG	Zinc	85.6	MG/KG	J		E07

BKGso-015(b)-0864-FD 1.0 - 3.0 FT

Field Sample Type: Field Duplicate

Matrix: Surface Soil

Collected: 05/05/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11200	MG/KG	=		
REG	Antimony	0.75	MG/KG	J		I02
REG	Arsenic	7.1	MG/KG	=		
REG	Barium	40.2	MG/KG	J		I02
REG	Beryllium	0.43	MG/KG	B	J	I02
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	1770	MG/KG	=		
REG	Chromium	20.9	MG/KG	=		
REG	Cobalt	12.5	MG/KG	B	J	
REG	Copper	32.1	MG/KG	=		
REG	Iron	36000	MG/KG	=		
REG	Lead	15.3	MG/KG	=		
REG	Magnesium	3450	MG/KG	J		I03
REG	Manganese	495	MG/KG	J		D04
REG	Mercury	0.068	MG/KG	B	U	F01,F06
REG	Nickel	23.3	MG/KG	=		
REG	Potassium	1420	MG/KG	=		
REG	Selenium	0.6	MG/KG	U	U	F07
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	46.7	MG/KG	B	U	F01,F06
REG	Thallium	0.6	MG/KG	U	U	
REG	Vanadium	23	MG/KG	=		
REG	Zinc	70.2	MG/KG	J		E07

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	980	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGso-015

BKGso-015(b)-0884-FD 1.0 - 3.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 05/05/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	960	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	960	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	960	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	960	UG/KG	U	U	
REG	4-Nitrophenol	960	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	400	UG/KG	U	U	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	400	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	400	UG/KG	U	U	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	400	UG/KG	U	U	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	400	UG/KG	U	U	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG	U	U	

Location: BACKGROUND
Station : BKGso-016

BKGso-016(b)-0818-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/05/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	13100	MG/KG		=	
REG	Antimony	0.59	MG/KG	U	UJ	102
REG	Arsenic	18.1	MG/KG		=	
REG	Barium	73.9	MG/KG		J	102

Location: BACKGROUND
Station: BKGso-016

BKGso-016(b)-0818-SO 1.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/05/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Beryllium	0.4	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	1220	MG/KG	=	=	
REG	Chromium	15.8	MG/KG	=	=	
REG	Cobalt	6	MG/KG	B	J	
REG	Copper	19.3	MG/KG	=	=	
REG	Iron	22400	MG/KG	=	=	
REG	Lead	10.9	MG/KG	=	=	
REG	Magnesium	3040	MG/KG	J		I03
REG	Manganese	162	MG/KG	J		D04
REG	Mercury	0.052	MG/KG	B	U	F01,F06
REG	Nickel	22.7	MG/KG	=	=	
REG	Potassium	1010	MG/KG	=	=	
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	66.6	MG/KG	B	U	F01,F06
REG	Thallium	0.69	MG/KG	U	U	
REG	Vanadium	19.9	MG/KG	=	=	
REG	Zinc	52.3	MG/KG	J		E07

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	1,2,4-Trichlorobenzene	390	UG/KG	U	UJ	G02
REA	1,2-Dichlorobenzene	390	UG/KG	U	UJ	G02
REA	1,3-Dichlorobenzene	390	UG/KG	U	UJ	G02
REA	1,4-Dichlorobenzene	390	UG/KG	U	UJ	G02
REA	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	UJ	G02
REA	2,4,5-Trichlorophenol	390	UG/KG	U	UJ	G02
REA	2,4,6-Trichlorophenol	390	UG/KG	U	UJ	G02
REA	2,4-Dichlorophenol	390	UG/KG	U	UJ	G02
REA	2,4-Dimethylphenol	390	UG/KG	U	UJ	G02
REA	2,4-Dinitrophenol	950	UG/KG	U	UJ	G02
REA	2,4-Dinitrotoluene	390	UG/KG	U	UJ	G02
REA	2,6-Dinitrotoluene	390	UG/KG	U	UJ	G02
REA	2-Chloronaphthalene	390	UG/KG	U	UJ	G02
REA	2-Chlorophenol	390	UG/KG	U	UJ	G02
REA	2-Methylnaphthalene	390	UG/KG	U	UJ	G02
REA	2-Methylphenol	390	UG/KG	U	UJ	G02
REA	2-Nitroaniline	950	UG/KG	U	UJ	G02
REA	2-Nitrophenol	390	UG/KG	U	UJ	G02
REA	3,3'-Dichlorobenzidine	390	UG/KG	U	UJ	G02
REA	3-Nitroaniline	950	UG/KG	U	UJ	G02
REA	4,6-Dinitro-o-Cresol	950	UG/KG	U	UJ	G02
REA	4-Bromophenyl-phenyl Ether	390	UG/KG	U	UJ	G02
REA	4-Chloroaniline	390	UG/KG	U	UJ	G02
REA	4-Chlorophenyl-phenylether	390	UG/KG	U	UJ	G02
REA	4-Methylphenol	390	UG/KG	U	UJ	G02
REA	4-Nitroaniline	950	UG/KG	U	UJ	G02
REA	4-Nitrophenol	950	UG/KG	U	UJ	G02
REA	4-chloro-3-methylphenol	390	UG/KG	U	UJ	G02
REA	Acenaphthene	390	UG/KG	U	UJ	G02
REA	Acenaphthylene	390	UG/KG	U	UJ	G02
REA	Anthracene	390	UG/KG	U	UJ	G02
REA	Benzo(a)anthracene	390	UG/KG	U	UJ	G02
REA	Benzo(a)pyrene	390	UG/KG	U	UJ	G02
REA	Benzo(b)fluoranthene	390	UG/KG	U	UJ	G02
REA	Benzo(g,h,i)perylene	390	UG/KG	U	UJ	G02
REA	Benzo(k)fluoranthene	390	UG/KG	U	UJ	G02
REA	Bis(2-chloroethoxy)methane	390	UG/KG	U	UJ	G02
REA	Bis(2-chloroethyl)ether	390	UG/KG	U	UJ	G02
REA	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	UJ	G02
REA	Butyl Benzyl Phthalate	390	UG/KG	U	UJ	G02
REA	Carbazole	390	UG/KG	U	UJ	G02
REA	Chrysene	390	UG/KG	U	UJ	G02
REA	Di-n-butyl Phthalate	390	UG/KG	U	UJ	G02
REA	Di-n-octyl Phthalate	390	UG/KG	U	UJ	G02
REA	Dibenzo(a,h)anthracene	390	UG/KG	U	UJ	G02
REA	Dibenzofuran	390	UG/KG	U	UJ	G02
REA	Diethyl Phthalate	390	UG/KG	U	UJ	G02

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-016

BKGso-016(b)-0818-SO 1.0 - 3.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 05/05/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	Dimethyl Phthalate	390	UG/KG	U	UJ	G02
REA	Fluoranthene	390	UG/KG	U	UJ	G02
REA	Fluorene	390	UG/KG	U	UJ	G02
REA	Hexachlorobenzene	390	UG/KG	U	UJ	G02
REA	Hexachlorobutadiene	390	UG/KG	U	UJ	G02
REA	Hexachlorocyclopentadiene	390	UG/KG	U	UJ	G02
REA	Hexachloroethane	390	UG/KG	U	UJ	G02
REA	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	UJ	G02
REA	Isophorone	390	UG/KG	U	UJ	G02
REA	N-Nitroso-di-n-propylamine	390	UG/KG	U	UJ	G02
REA	N-Nitrosodiphenylamine	390	UG/KG	U	UJ	G02
REA	Naphthalene	390	UG/KG	U	UJ	G02
REA	Nitrobenzene	390	UG/KG	U	UJ	G02
REA	Pentachlorophenol	390	UG/KG	U	UJ	G02
REA	Phenanthrene	390	UG/KG	U	UJ	G02
REA	Phenol	390	UG/KG	U	UJ	G02
REA	Pyrene	390	UG/KG	U	UJ	G02

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	UJ	G02
REG	1,2-Dichlorobenzene	390	UG/KG	U	UJ	G02
REG	1,3-Dichlorobenzene	390	UG/KG	U	UJ	G02
REG	1,4-Dichlorobenzene	390	UG/KG	U	UJ	G02
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	UJ	G02
REG	2,4,5-Trichlorophenol	390	UG/KG	U	UJ	G02
REG	2,4,6-Trichlorophenol	390	UG/KG	U	UJ	G02
REG	2,4-Dichlorophenol	390	UG/KG	U	UJ	G02
REG	2,4-Dimethylphenol	390	UG/KG	U	UJ	G02
REG	2,4-Dinitrophenol	950	UG/KG	U	UJ	G02
REG	2,4-Dinitrotoluene	390	UG/KG	U	UJ	G02
REG	2,6-Dinitrotoluene	390	UG/KG	U	UJ	G02
REG	2-Chloronaphthalene	390	UG/KG	U	UJ	G02
REG	2-Chlorophenol	390	UG/KG	U	UJ	G02
REG	2-Methylnaphthalene	390	UG/KG	U	UJ	G02
REG	2-Methylphenol	390	UG/KG	U	UJ	G02
REG	2-Nitroaniline	950	UG/KG	U	UJ	G02
REG	2-Nitrophenol	390	UG/KG	U	UJ	G02
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	UJ	G02
REG	3-Nitroaniline	950	UG/KG	U	UJ	G02
REG	4,6-Dinitro-o-Cresol	950	UG/KG	U	UJ	G02
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	UJ	G02
REG	4-Chloroaniline	390	UG/KG	U	UJ	G02
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	UJ	G02
REG	4-Methylphenol	390	UG/KG	U	UJ	G02
REG	4-Nitroaniline	950	UG/KG	U	UJ	G02
REG	4-Nitrophenol	950	UG/KG	U	UJ	G02
REG	4-chloro-3-methylphenol	390	UG/KG	U	UJ	G02
REG	Acenaphthene	390	UG/KG	U	UJ	G02
REG	Acenaphthylene	390	UG/KG	U	UJ	G02
REG	Anthracene	390	UG/KG	U	UJ	G02
REG	Benzo(a)anthracene	390	UG/KG	U	UJ	G02
REG	Benzo(a)pyrene	390	UG/KG	U	UJ	G02
REG	Benzo(b)fluoranthene	390	UG/KG	U	UJ	G02
REG	Benzo(g,h,i)perylene	390	UG/KG	U	UJ	G02
REG	Benzo(k)fluoranthene	390	UG/KG	U	UJ	G02
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	UJ	G02
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	UJ	G02
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	UJ	G02
REG	Butyl Benzyl Phthalate	390	UG/KG	U	UJ	G02
REG	Carbazole	390	UG/KG	U	UJ	G02
REG	Chrysene	390	UG/KG	U	UJ	G02
REG	Di-n-butyl Phthalate	390	UG/KG	U	UJ	G02
REG	Di-n-octyl Phthalate	390	UG/KG	U	UJ	G02
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	UJ	G02
REG	Dibenzofuran	390	UG/KG	U	UJ	G02
REG	Diethyl Phthalate	390	UG/KG	U	UJ	G02
REG	Dimethyl Phthalate	390	UG/KG	U	UJ	G02
REG	Fluoranthene	390	UG/KG	U	UJ	G02

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGso-016

BKGso-016(b)-0818-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Fluorene	390	UG/KG	U	UJ	G02
REG	Hexachlorobenzene	390	UG/KG	U	UJ	G02
REG	Hexachlorobutadiene	390	UG/KG	U	UJ	G02
REG	Hexachlorocyclopentadiene	390	UG/KG	U	UJ	G02
REG	Hexachloroethane	390	UG/KG	U	UJ	G02
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	UJ	G02
REG	Isophorone	390	UG/KG	U	UJ	G02
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	UJ	G02
REG	N-Nitrosodiphenylamine	390	UG/KG	U	UJ	G02
REG	Naphthalene	390	UG/KG	U	UJ	G02
REG	Nitrobenzene	390	UG/KG	U	UJ	G02
REG	Pentachlorophenol	390	UG/KG	U	UJ	G02
REG	Phenanthrene	390	UG/KG	U	UJ	G02
REG	Phenol	390	UG/KG	U	UJ	G02
REG	Pyrene	390	UG/KG	U	UJ	G02

BKGso-016(b)-0819-SO 8.5 - 9.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	5890	MG/KG		=	
REG	Antimony	0.61	MG/KG	U	UJ	102
REG	Arsenic	11	MG/KG		=	
REG	Barium	22.7	MG/KG	B	J	102
REG	Beryllium	0.17	MG/KG	B	UJ	F06,102
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	548	MG/KG	B	J	
REG	Chromium	8.6	MG/KG		=	
REG	Cobalt	5.4	MG/KG	B	J	
REG	Copper	18.7	MG/KG		=	
REG	Iron	15200	MG/KG		=	
REG	Lead	7.7	MG/KG		=	
REG	Magnesium	1800	MG/KG		J	103
REG	Manganese	338	MG/KG		J	D04
REG	Mercury	0.054	MG/KG	B	U	F01,F06
REG	Nickel	13.7	MG/KG		=	
REG	Potassium	997	MG/KG		=	
REG	Selenium	0.61	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	93.2	MG/KG	B	U	F01,F06
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	10.7	MG/KG		=	
REG	Zinc	48.7	MG/KG		J	E07

Location: BACKGROUND
Station : BKGso-017

BKGso-017(b)-0826-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.57	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	12600	MG/KG		=	
REG	Antimony	0.57	MG/KG	U	UJ	102
REG	Arsenic	19.8	MG/KG		=	
REG	Barium	88.2	MG/KG		=	
REG	Beryllium	0.49	MG/KG	B	J	
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	14100	MG/KG		=	
REG	Chromium	19.3	MG/KG		=	
REG	Cobalt	13.3	MG/KG	B	J	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-017

BKGso-017(b)-0826-SO 1.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Copper	23.3	MG/KG	=		
REG	Iron	28500	MG/KG	MBB	=	
REG	Lead	19.1	MG/KG	=		
REG	Magnesium	5540	MG/KG	=		
REG	Manganese	395	MG/KG	J		D04
REG	Mercury	0.052	MG/KG	B	U	F01,F06
REG	Nickel	30.5	MG/KG	=		
REG	Potassium	2150	MG/KG	=		
REG	Selenium	0.67	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	123	MG/KG	B	U	F01,F06
REG	Thallium	0.57	MG/KG	U	U	
REG	Vanadium	21.1	MG/KG	=		
REG	Zinc	69.2	MG/KG	MBB	J	E07

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	380	UG/KG	U	U	
REA	1,2-Dichlorobenzene	380	UG/KG	U	U	
REA	1,3-Dichlorobenzene	380	UG/KG	U	U	
REA	1,4-Dichlorobenzene	380	UG/KG	U	U	
REA	2,2'-oxybis (1-chloropropane)	380	UG/KG	U	U	
REA	2,4,6-Trichlorophenol	380	UG/KG	U	U	
REA	2,4,6-Trichlorophenol	380	UG/KG	U	U	
REA	2,4-Dichlorophenol	380	UG/KG	U	U	
REA	2,4-Dimethylphenol	380	UG/KG	U	U	
REA	2,4-Dinitrophenol	920	UG/KG	U	U	
REA	2,4-Dinitrotoluene	380	UG/KG	U	U	
REA	2,6-Dinitrotoluene	380	UG/KG	U	U	
REA	2-Chloronaphthalene	380	UG/KG	U	U	
REA	2-Chlorophenol	380	UG/KG	U	U	
REA	2-Methylnaphthalene	380	UG/KG	U	U	
REA	2-Methylphenol	380	UG/KG	U	U	
REA	2-Nitroaniline	920	UG/KG	U	U	
REA	2-Nitrophenol	380	UG/KG	U	U	
REA	3,3'-Dichlorobenzidine	380	UG/KG	U	U	
REA	3-Nitroaniline	920	UG/KG	U	U	
REA	4,6-Dinitro-o-Cresol	920	UG/KG	U	U	
REA	4-Bromophenyl-phenyl Ether	380	UG/KG	U	U	
REA	4-Chloroaniline	380	UG/KG	U	U	
REA	4-Chlorophenyl-phenylether	380	UG/KG	U	U	
REA	4-Methylphenol	380	UG/KG	U	U	
REA	4-Nitroaniline	920	UG/KG	U	U	
REA	4-Nitrophenol	920	UG/KG	U	U	
REA	4-chloro-3-methylphenol	380	UG/KG	U	U	
REA	Acenaphthene	380	UG/KG	U	U	
REA	Acenaphthylene	380	UG/KG	U	U	
REA	Anthracene	380	UG/KG	U	U	
REA	Benzo(a)anthracene	380	UG/KG	U	U	
REA	Benzo(a)pyrene	380	UG/KG	U	U	
REA	Benzo(b)fluoranthene	380	UG/KG	U	U	
REA	Benzo(g,h,i)perylene	380	UG/KG	U	U	
REA	Benzo(k)fluoranthene	380	UG/KG	U	U	
REA	Bis(2-chloroethoxy)methane	380	UG/KG	U	U	
REA	Bis(2-chloroethyl)ether	380	UG/KG	U	U	
REA	Bis(2-ethylhexyl)phthalate	380	UG/KG	U	U	
REA	Butyl Benzyl Phthalate	380	UG/KG	U	U	
REA	Carbazole	380	UG/KG	U	U	
REA	Chrysene	380	UG/KG	U	U	
REA	Di-n-butyl Phthalate	380	UG/KG	U	U	
REA	Di-n-octyl Phthalate	380	UG/KG	U	U	
REA	Dibenzo(a,h)anthracene	380	UG/KG	U	U	
REA	Dibenzofuran	380	UG/KG	U	U	
REA	Diethyl Phthalate	380	UG/KG	U	U	
REA	Dimethyl Phthalate	380	UG/KG	U	U	
REA	Fluoranthene	380	UG/KG	U	U	
REA	Fluorene	380	UG/KG	U	U	
REA	Hexachlorobenzene	380	UG/KG	U	U	
REA	Hexachlorobutadiene	380	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-017

BKGso-017(b)-0826-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	Hexachlorocyclopentadiene	380	UG/KG	U	U	
REA	Hexachloroethane	380	UG/KG	U	U	
REA	Indeno(1,2,3-cd)pyrene	380	UG/KG	U	U	
REA	Isophorone	380	UG/KG	U	U	
REA	N-Nitroso-di-n-propylamine	380	UG/KG	U	U	
REA	N-Nitrosodiphenylamine	380	UG/KG	U	U	
REA	Naphthalene	380	UG/KG	U	U	
REA	Nitrobenzene	380	UG/KG	U	U	
REA	Pentachlorophenol	380	UG/KG	U	U	
REA	Phenanthrene	380	UG/KG	U	U	
REA	Phenol	380	UG/KG	U	U	
REA	Pyrene	380	UG/KG	U	U	

BKGso-017(b)-0827-SO 7.5 - 8.5 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.55	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11400	MG/KG	=		
REG	Antimony	0.55	MG/KG	U	UJ	I02
REG	Arsenic	12.2	MG/KG	=		
REG	Barium	65.6	MG/KG	=		
REG	Beryllium	0.37	MG/KG	B	U	F06
REG	Cadmium	0.55	MG/KG	U	U	
REG	Calcium	30700	MG/KG	=		
REG	Chromium	19.5	MG/KG	=		
REG	Cobalt	11.3	MG/KG	B	J	
REG	Copper	21.3	MG/KG	=		
REG	Iron	24300	MG/KG	MBB	=	
REG	Lead	10.8	MG/KG	=		
REG	Magnesium	7740	MG/KG	=		
REG	Manganese	382	MG/KG	J		D04
REG	Mercury	0.04	MG/KG	B	U	F01,F06
REG	Nickel	29.5	MG/KG	=		
REG	Potassium	2270	MG/KG	=		
REG	Selenium	0.55	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	136	MG/KG	B	J	
REG	Thallium	0.55	MG/KG	U	U	
REG	Vanadium	20	MG/KG	=		
REG	Zinc	68	MG/KG	MBB	J	E07

BKGso-017(b)-0925-SO 7.5 - 8.5 FT Field Sample Type: Field Duplicate Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11500	MG/KG	=		
REG	Antimony	0.58	MG/KG	U	UJ	I02
REG	Arsenic	11.4	MG/KG	=		
REG	Barium	67	MG/KG	=		
REG	Beryllium	0.34	MG/KG	B	U	F06
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	28100	MG/KG	=		
REG	Chromium	16.1	MG/KG	=		
REG	Cobalt	13.4	MG/KG	B	J	
REG	Copper	21	MG/KG	=		
REG	Iron	24000	MG/KG	MBB	=	
REG	Lead	10.6	MG/KG	=		
REG	Magnesium	7030	MG/KG	=		
REG	Manganese	457	MG/KG	J		D04
REG	Mercury	0.045	MG/KG	B	U	F01,F06

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-017

BKGso-017(b)-0925-SO 7.6 - 8.5 FT Field Sample Type: Field Duplicate Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nickel	29.6	MG/KG	=		
REG	Potassium	2240	MG/KG	=		
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	145	MG/KG	B	J	
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	18.7	MG/KG	=		
REG	Zinc	66.1	MG/KG	MBB	J	E07

Location: BACKGROUND
Station: BKGso-018

BKGso-018(b)-0806-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	8890	MG/KG		J	F10
REG	Antimony	0.37	MG/KG	B	J	102
REG	Arsenic	6.6	MG/KG	=		
REG	Barium	23	MG/KG	B	J	
REG	Beryllium	0.28	MG/KG	B	J	
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	506	MG/KG	B	J	
REG	Chromium	11.2	MG/KG	=		
REG	Cobalt	5.9	MG/KG	B	J	
REG	Copper	9.4	MG/KG	=		
REG	Iron	17600	MG/KG	=		
REG	Lead	9.9	MG/KG	=		
REG	Magnesium	1410	MG/KG	=		
REG	Manganese	139	MG/KG	=		
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	12.1	MG/KG		J	D05
REG	Potassium	524	MG/KG	B	J	
REG	Selenium	0.74	MG/KG	=		
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	40.5	MG/KG	B	U	F01,F06
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	14.9	MG/KG	=		
REG	Zinc	50	MG/KG	=		

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	380	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	930	UG/KG	U	U	
REG	2,4-Dinitrotoluene	380	UG/KG	U	U	
REG	2,6-Dinitrotoluene	380	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	930	UG/KG	U	U	
REG	2-Nitrophenol	380	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	380	UG/KG	U	U	
REG	3-Nitroaniline	930	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	930	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	380	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-018

BKGso-018(b)-0806-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
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	930	UG/KG	U	U	
REG	4-Nitrophenol	930	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	380	UG/KG	U	U	
REG	Benzo(a)pyrene	380	UG/KG	U	U	
REG	Benzo(b)fluoranthene	380	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	380	UG/KG	U	U	
REG	Benzo(k)fluoranthene	380	UG/KG	U	U	
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	380	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	380	UG/KG	U	U	
REG	Carbazole	380	UG/KG	U	U	
REG	Chrysene	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	Nitrobenzene	380	UG/KG	U	U	
REG	Pentachlorophenol	380	UG/KG	U	U	
REG	Phenanthrene	380	UG/KG	U	U	
REG	Phenol	380	UG/KG	U	U	
REG	Pyrene	380	UG/KG	U	U	

Location: BACKGROUND
Station: BKGso-019

BKGso-019(b)-0808-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12300	MG/KG		J	F10
REG	Antimony	0.31	MG/KG	B	J	102
REG	Arsenic	7.9	MG/KG		=	
REG	Barium	56.8	MG/KG		=	
REG	Beryllium	0.54	MG/KG	B	J	
REG	Cadmium	0.62	MG/KG	U	U	
REG	Calcium	1910	MG/KG		=	
REG	Chromium	16.2	MG/KG		=	
REG	Cobalt	13.7	MG/KG	B	J	
REG	Copper	14.9	MG/KG		=	
REG	Iron	19900	MG/KG		=	
REG	Lead	10.2	MG/KG		=	
REG	Magnesium	2800	MG/KG		=	
REG	Manganese	421	MG/KG		=	

Location: BACKGROUND
Station: BKGso-019

BKGso-019(b)-0808-SO 1.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/07/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Mercury	0.039	MG/KG	B	J	
REG	Nickel	19.6	MG/KG		J	D05
REG	Potassium	1390	MG/KG		=	
REG	Selenium	0.89	MG/KG		=	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	72	MG/KG	B	U	F01,F06
REG	Thallium	0.82	MG/KG	U	U	
REG	Vanadium	21.1	MG/KG		=	
REG	Zinc	44.2	MG/KG		=	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	410	UG/KG	U	U	
REG	1,2-Dichlorobenzene	410	UG/KG	U	U	
REG	1,3-Dichlorobenzene	410	UG/KG	U	U	
REG	1,4-Dichlorobenzene	410	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	410	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	410	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	410	UG/KG	U	U	
REG	2,4-Dichlorophenol	410	UG/KG	U	U	
REG	2,4-Dimethylphenol	410	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	410	UG/KG	U	U	
REG	2,6-Dinitrotoluene	410	UG/KG	U	U	
REG	2-Chloronaphthalene	410	UG/KG	U	U	
REG	2-Chlorophenol	410	UG/KG	U	U	
REG	2-Methylnaphthalene	410	UG/KG	U	U	
REG	2-Methylphenol	410	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	410	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	410	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	410	UG/KG	U	U	
REG	4-Chloroaniline	410	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	410	UG/KG	U	U	
REG	4-Methylphenol	410	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	U	
REG	4-chloro-3-methylphenol	410	UG/KG	U	U	
REG	Acenaphthene	410	UG/KG	U	U	
REG	Acenaphthylene	410	UG/KG	U	U	
REG	Anthracene	410	UG/KG	U	U	
REG	Benzo(a)anthracene	410	UG/KG	U	U	
REG	Benzo(a)pyrene	410	UG/KG	U	U	
REG	Benzo(b)fluoranthene	410	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	410	UG/KG	U	U	
REG	Benzo(k)fluoranthene	410	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	410	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	410	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	410	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	410	UG/KG	U	U	
REG	Carbazole	410	UG/KG	U	U	
REG	Chrysene	410	UG/KG	U	U	
REG	Di-n-butyl Phthalate	410	UG/KG	U	U	
REG	Di-n-octyl Phthalate	410	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	410	UG/KG	U	U	
REG	Dibenzofuran	410	UG/KG	U	U	
REG	Diethyl Phthalate	410	UG/KG	U	U	
REG	Dimethyl Phthalate	410	UG/KG	U	U	
REG	Fluoranthene	410	UG/KG	U	U	
REG	Fluorene	410	UG/KG	U	U	
REG	Hexachlorobenzene	410	UG/KG	U	U	
REG	Hexachlorobutadiene	410	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	410	UG/KG	U	U	
REG	Hexachloroethane	410	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	410	UG/KG	U	U	
REG	Isophorone	410	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	410	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-019

BKGso-019(b)-0808-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	N-Nitrosodiphenylamine	410	UG/KG	U	U	
REG	Naphthalene	410	UG/KG	U	U	
REG	Nitrobenzene	410	UG/KG	U	U	
REG	Pentachlorophenol	410	UG/KG	U	U	
REG	Phenanthrene	410	UG/KG	U	U	
REG	Phenol	410	UG/KG	U	U	
REG	Pyrene	410	UG/KG	U	U	

BKGso-019(b)-0809-SO 10.0 - 11.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.57	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	8290	MG/KG		J	F10
REG	Antimony	0.3	MG/KG	B	J	I02
REG	Arsenic	15.4	MG/KG		=	
REG	Barium	29	MG/KG		=	
REG	Beryllium	0.37	MG/KG	B	J	
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	1550	MG/KG		=	
REG	Chromium	13.7	MG/KG		=	
REG	Cobalt	9.8	MG/KG	B	J	
REG	Copper	21.2	MG/KG		=	
REG	Iron	24900	MG/KG		=	
REG	Lead	10.2	MG/KG		=	
REG	Magnesium	2830	MG/KG		=	
REG	Manganese	308	MG/KG		=	
REG	Mercury	0.11	MG/KG	U	U	
REG	Nickel	21.7	MG/KG		J	D05
REG	Potassium	1390	MG/KG		=	
REG	Selenium	1.5	MG/KG		=	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	87.6	MG/KG	B	U	F01,F06
REG	Thallium	0.82	MG/KG		=	
REG	Vanadium	14.3	MG/KG		=	
REG	Zinc	81.4	MG/KG		=	

Location: BACKGROUND
Station: BKGso-020

BKGso-020(b)-0810-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	18000	MG/KG		J	F10
REG	Antimony	0.32	MG/KG	B	J	I02
REG	Arsenic	13.9	MG/KG		=	
REG	Barium	61.1	MG/KG		=	
REG	Beryllium	0.58	MG/KG	B	J	
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	2220	MG/KG		=	
REG	Chromium	25.2	MG/KG		=	
REG	Cobalt	10	MG/KG	B	J	
REG	Copper	24.9	MG/KG		=	
REG	Iron	31200	MG/KG		=	
REG	Lead	12.2	MG/KG		=	
REG	Magnesium	4140	MG/KG		=	
REG	Manganese	221	MG/KG		=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	27.3	MG/KG		J	D05
REG	Potassium	2510	MG/KG		=	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
 Station: BKGso-020

BKGso-020(b)-0810-SO 1.0 - 2.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/07/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Selenium	1	MG/KG		=	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	91.2	MG/KG	B	U	F01,F06
REG	Thallium	0.6	MG/KG	U	U	
REG	Vanadium	30.9	MG/KG		=	
REG	Zinc	66.9	MG/KG		=	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	950	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,6-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	950	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	950	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	950	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	U	
REG	4-Chloroaniline	390	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	U	
REG	4-Methylphenol	390	UG/KG	U	U	
REG	4-Nitroaniline	950	UG/KG	U	U	
REG	4-Nitrophenol	950	UG/KG	U	U	
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	
REG	Anthracene	390	UG/KG	U	U	
REG	Benzo(a)anthracene	390	UG/KG	U	U	
REG	Benzo(a)pyrene	390	UG/KG	U	U	
REG	Benzo(b)fluoranthene	390	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U	U	
REG	Benzo(k)fluoranthene	390	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	390	UG/KG	U	U	
REG	Chrysene	390	UG/KG	U	U	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	U	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	390	UG/KG	U	U	
REG	Fluorene	390	UG/KG	U	U	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	U	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-020

BKGso-020(b)-0810-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	390	UG/KG	U	U	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	390	UG/KG	U	U	

BKGso-020(b)-0811-SO 3.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.57	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	10200	MG/KG		J	F10
REG	Antimony	0.5	MG/KG	B	J	102
REG	Arsenic	12.3	MG/KG		=	
REG	Barium	83.3	MG/KG		=	
REG	Beryllium	0.88	MG/KG		=	
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	1860	MG/KG		=	
REG	Chromium	15.2	MG/KG		=	
REG	Cobalt	13.4	MG/KG	B	J	
REG	Copper	20.3	MG/KG		=	
REG	Iron	23800	MG/KG		=	
REG	Lead	10.7	MG/KG		=	
REG	Magnesium	3160	MG/KG		=	
REG	Manganese	371	MG/KG		=	
REG	Mercury	0.11	MG/KG	U	U	
REG	Nickel	30.6	MG/KG		J	D05
REG	Potassium	1420	MG/KG		=	
REG	Selenium	0.8	MG/KG		=	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	53.8	MG/KG	B	U	F01,F08
REG	Thallium	0.57	MG/KG	U	U	
REG	Vanadium	17.2	MG/KG		=	
REG	Zinc	59.6	MG/KG		=	

Location: BACKGROUND
Station: BKGso-021

BKGso-021(b)-0822-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/08/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	14600	MG/KG		J	F10
REG	Antimony	0.58	MG/KG	U	UJ	102
REG	Arsenic	13.6	MG/KG		=	
REG	Barium	96.2	MG/KG		=	
REG	Beryllium	0.87	MG/KG		=	
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	2990	MG/KG		=	
REG	Chromium	20.8	MG/KG		=	
REG	Cobalt	23.2	MG/KG		=	
REG	Copper	22.5	MG/KG		=	
REG	Iron	33100	MG/KG		=	
REG	Lead	13.1	MG/KG		=	
REG	Magnesium	4150	MG/KG		=	
REG	Manganese	780	MG/KG		=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	32.5	MG/KG		J	D05
REG	Potassium	2820	MG/KG		=	
REG	Selenium	0.82	MG/KG		=	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	59.4	MG/KG	B	U	F01,F08

Location: BACKGROUND
Station: BKGso-021

BKGso-021(b)-0822-SO 1.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/09/88

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Thallium	0.77	MG/KG	=		
REG	Vanadium	21.9	MG/KG	=		
REG	Zinc	64.2	MG/KG	=		

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	380	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	930	UG/KG	U	U	
REG	2,4-Dinitrotoluene	380	UG/KG	U	U	
REG	2,6-Dinitrotoluene	380	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	930	UG/KG	U	U	
REG	2-Nitrophenol	380	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	380	UG/KG	U	U	
REG	3-Nitroaniline	930	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	930	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	930	UG/KG	U	U	
REG	4-Nitrophenol	930	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	380	UG/KG	U	U	
REG	Benzo(a)pyrene	380	UG/KG	U	U	
REG	Benzo(b)fluoranthene	380	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	380	UG/KG	U	U	
REG	Benzo(k)fluoranthene	380	UG/KG	U	U	
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	380	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	380	UG/KG	U	U	
REG	Carbazole	380	UG/KG	U	U	
REG	Chrysene	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	Nitrobenzene	380	UG/KG	U	U	
REG	Pentachlorophenol	380	UG/KG	U	U	
REG	Phenanthrene	380	UG/KG	U	U	
REG	Phenol	380	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGso-021

BKGso-021(b)-0822-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/08/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Pyrene	380	UG/KG	U	U	

BKGso-021(b)-0823-SO 5.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/08/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	16900	MG/KG		J	F10
REG	Antimony	0.59	MG/KG	U	UJ	I02
REG	Arsenic	9.5	MG/KG		=	
REG	Barium	91.4	MG/KG		=	
REG	Beryllium	0.89	MG/KG		=	
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	35500	MG/KG		=	
REG	Chromium	24.2	MG/KG		=	
REG	Cobalt	12	MG/KG	B	J	
REG	Copper	21.5	MG/KG		=	
REG	Iron	28900	MG/KG		=	
REG	Lead	10.6	MG/KG		=	
REG	Magnesium	8790	MG/KG		=	
REG	Manganese	385	MG/KG		=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	27.6	MG/KG		J	D05
REG	Potassium	3560	MG/KG		=	
REG	Selenium	1.2	MG/KG		=	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	145	MG/KG	B	J	
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	28.5	MG/KG		=	
REG	Zinc	60.8	MG/KG		=	

Location: BACKGROUND
Station: BKGss-001

BKGss-001(b)-0784-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.67	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	5860	MG/KG		=	
REG	Antimony	0.57	MG/KG	U	UJ	I02
REG	Arsenic	7	MG/KG		=	
REG	Barium	54.8	MG/KG		=	
REG	Beryllium	0.46	MG/KG	B	U	F06
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	6410	MG/KG		J	I01
REG	Chromium	6.8	MG/KG		J	I01
REG	Cobalt	4.1	MG/KG	B	J	
REG	Copper	11	MG/KG		=	
REG	Iron	11300	MG/KG	MBB	=	
REG	Lead	23.5	MG/KG		=	
REG	Magnesium	1350	MG/KG		=	
REG	Manganese	525	MG/KG		=	
REG	Mercury	0.11	MG/KG	U	U	I01
REG	Nickel	8	MG/KG		UJ	D05,F07
REG	Potassium	413	MG/KG	B	J	
REG	Selenium	0.57	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	64.8	MG/KG	B	U	F01,F06
REG	Thallium	0.57	MG/KG	U	UJ	D05
REG	Vanadium	10.1	MG/KG		=	
REG	Zinc	48.3	MG/KG	MBD	=	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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	370	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	910	UG/KG	U	U	
REG	2,4-Dinitrotoluene	370	UG/KG	U	U	
REG	2,6-Dinitrotoluene	370	UG/KG	U	U	
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	910	UG/KG	U	U	
REG	2-Nitrophenol	370	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	370	UG/KG	U	U	
REG	3-Nitroaniline	910	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	910	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	910	UG/KG	U	U	
REG	4-Nitrophenol	910	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	86	UG/KG	J	J	
REG	Benzo(a)pyrene	90	UG/KG	J	J	
REG	Benzo(b)fluoranthene	140	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	46	UG/KG	J	J	
REG	Benzo(k)fluoranthene	53	UG/KG	J	J	
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	93	UG/KG	J	J	
REG	Di-n-butyl Phthalate	370	UG/KG	U	U	
REG	Di-n-octyl Phthalate	370	UG/KG	U	U	
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	130	UG/KG	J	J	
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	U	
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	Nitrobenzene	370	UG/KG	U	U	
REG	Pentachlorophenol	370	UG/KG	U	U	
REG	Phenanthrene	370	UG/KG	U	U	
REG	Phenol	370	UG/KG	U	U	
REG	Pyrene	110	UG/KG	J	J	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Total Organic Carbon	9700	MG/KG	=		

BKGas-001(b)-0863-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKG99-001

BKG99-001(b)-0863-FD 0.0 - 1.0 FT

Field Sample Type: Field Duplicate

Matrix: Surface Soil

Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.57	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	6520	MG/KG	=		
REG	Antimony	0.57	MG/KG	U	UJ	I02
REG	Arsenic	8.4	MG/KG	=		
REG	Barium	70.4	MG/KG	=		
REG	Beryllium	0.47	MG/KG	B	U	F08
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	35900	MG/KG	J		I01
REG	Chromium	6.8	MG/KG	=		
REG	Cobalt	4.2	MG/KG	B	J	
REG	Copper	11.7	MG/KG	=		
REG	Iron	10600	MG/KG	=		
REG	Lead	25.8	MG/KG	=		
REG	Magnesium	1950	MG/KG	=		
REG	Manganese	728	MG/KG	MBB	=	
REG	Mercury	0.025	MG/KG	B	J	
REG	Nickel	8.5	MG/KG	J		D05
REG	Potassium	486	MG/KG	B	J	
REG	Selenium	0.57	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	98.9	MG/KG	B	U	F01,F06
REG	Thallium	0.57	MG/KG	U	UJ	D05
REG	Vanadium	10	MG/KG	=		
REG	Zinc	49.8	MG/KG	=		

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	370	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	910	UG/KG	U	U	
REG	2,4-Dinitrotoluene	370	UG/KG	U	U	
REG	2,6-Dinitrotoluene	370	UG/KG	U	U	
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	910	UG/KG	U	U	
REG	2-Nitrophenol	370	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	370	UG/KG	U	U	
REG	3-Nitroaniline	910	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	910	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	910	UG/KG	U	U	
REG	4-Nitrophenol	910	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	64	UG/KG	J	J	
REG	Benzo(a)pyrene	71	UG/KG	J	J	
REG	Benzo(b)fluoranthene	130	UG/KG	J	J	
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	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGss-001

BKGss-001(b)-0863-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/23/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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	72	UG/KG	J	J	
REG	Di-n-butyl Phthalate	370	UG/KG	U	U	
REG	Di-n-octyl Phthalate	370	UG/KG	U	U	
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	78	UG/KG	J	J	
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	U	
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	Nitrobenzene	370	UG/KG	U	U	
REG	Pentachlorophenol	370	UG/KG	U	U	
REG	Phenanthrene	370	UG/KG	U	U	
REG	Phenol	370	UG/KG	U	U	
REG	Pyrene	82	UG/KG	J	J	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Total Organic Carbon	9600	MG/KG	=	=	

Location: BACKGROUND
Station: BKGss-002

BKGss-002(b)-0785-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.54	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	5780	MG/KG	=	=	
REG	Antimony	0.54	MG/KG	U	UJ	I02
REG	Arsenic	7.7	MG/KG	=	=	
REG	Barium	47.9	MG/KG	=	=	
REG	Beryllium	0.38	MG/KG	B	U	F06
REG	Cadmium	0.54	MG/KG	U	U	
REG	Calcium	7130	MG/KG	J	J	I01
REG	Chromium	6.3	MG/KG	J	J	I01
REG	Cobalt	4.1	MG/KG	B	J	
REG	Copper	9.1	MG/KG	=	=	
REG	Iron	10000	MG/KG	MBB	=	
REG	Lead	14.2	MG/KG	=	=	
REG	Magnesium	1490	MG/KG	=	=	
REG	Manganese	491	MG/KG	=	=	
REG	Mercury	0.032	MG/KG	B	J	I01
REG	Nickel	9	MG/KG	J	J	D05
REG	Potassium	303	MG/KG	B	J	
REG	Selenium	0.54	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	65.5	MG/KG	B	U	F01,F06
REG	Thallium	0.54	MG/KG	U	UJ	D05
REG	Vanadium	9.1	MG/KG	=	=	
REG	Zinc	38.4	MG/KG	MBD	=	

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	360	UG/KG	U	U	
REG	1,2-Dichlorobenzene	360	UG/KG	U	U	
REG	1,3-Dichlorobenzene	360	UG/KG	U	U	
REG	1,4-Dichlorobenzene	360	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	360	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	360	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	360	UG/KG	U	U	
REG	2,4-Dichlorophenol	360	UG/KG	U	U	
REG	2,4-Dimethylphenol	360	UG/KG	U	U	
REG	2,4-Dinitrophenol	670	UG/KG	U	U	
REG	2,4-Dinitrotoluene	360	UG/KG	U	U	
REG	2,6-Dinitrotoluene	360	UG/KG	U	U	
REG	2-Chloronaphthalene	360	UG/KG	U	U	
REG	2-Chlorophenol	360	UG/KG	U	U	
REG	2-Methylnaphthalene	360	UG/KG	U	U	
REG	2-Methylphenol	360	UG/KG	U	U	
REG	2-Nitroaniline	670	UG/KG	U	U	
REG	2-Nitrophenol	360	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	360	UG/KG	U	U	
REG	3-Nitroaniline	670	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	670	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	360	UG/KG	U	U	
REG	4-Chloroaniline	360	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	360	UG/KG	U	U	
REG	4-Methylphenol	360	UG/KG	U	U	
REG	4-Nitroaniline	670	UG/KG	U	U	
REG	4-Nitrophenol	670	UG/KG	U	U	
REG	4-chloro-3-methylphenol	360	UG/KG	U	U	
REG	Acenaphthene	360	UG/KG	U	U	
REG	Acenaphthylene	360	UG/KG	U	U	
REG	Anthracene	360	UG/KG	U	U	
REG	Benzo(a)anthracene	49	UG/KG	J	J	
REG	Benzo(a)pyrene	360	UG/KG	U	U	
REG	Benzo(b)fluoranthene	83	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	360	UG/KG	U	U	
REG	Benzo(k)fluoranthene	360	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	360	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	360	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	360	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	360	UG/KG	U	U	
REG	Carbazole	360	UG/KG	U	U	
REG	Chrysene	60	UG/KG	J	J	
REG	Di-n-butyl Phthalate	360	UG/KG	U	U	
REG	Di-n-octyl Phthalate	360	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	360	UG/KG	U	U	
REG	Dibenzofuran	360	UG/KG	U	U	
REG	Diethyl Phthalate	360	UG/KG	U	U	
REG	Dimethyl Phthalate	360	UG/KG	U	U	
REG	Fluoranthene	76	UG/KG	J	J	
REG	Fluorene	360	UG/KG	U	U	
REG	Hexachlorobenzene	360	UG/KG	U	U	
REG	Hexachlorobutadiene	360	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	360	UG/KG	U	U	
REG	Hexachloroethane	360	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	360	UG/KG	U	U	
REG	Isophorone	360	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	360	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	360	UG/KG	U	U	
REG	Naphthalene	360	UG/KG	U	U	
REG	Nitrobenzene	360	UG/KG	U	U	
REG	Pentachlorophenol	360	UG/KG	U	U	
REG	Phenanthrene	360	UG/KG	U	U	
REG	Phenol	360	UG/KG	U	U	
REG	Pyrene	83	UG/KG	J	J	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	7000	MG/KG	=		

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
 Station: BKGss-003

BKGss-003(b)-0786-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.65	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14100	MG/KG	=		
REG	Antimony	0.85	MG/KG	U	UJ	I02
REG	Arsenic	10.5	MG/KG	=		
REG	Barium	63.8	MG/KG	=		
REG	Beryllium	0.53	MG/KG	B	U	F08
REG	Cadmium	0.85	MG/KG	U	U	
REG	Calcium	1330	MG/KG	=		
REG	Chromium	16.4	MG/KG	=		
REG	Cobalt	9.1	MG/KG	B	J	
REG	Copper	11.1	MG/KG	J		E07
REG	Iron	19900	MG/KG	=		
REG	Lead	17.5	MG/KG	J		I02
REG	Magnesium	2210	MG/KG	=		
REG	Manganese	633	MG/KG	=		
REG	Mercury	0.036	MG/KG	B	J	
REG	Nickel	15.3	MG/KG	J		D05
REG	Potassium	765	MG/KG	=		
REG	Selenium	0.69	MG/KG	=		
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	82.5	MG/KG	B	U	F01,F08
REG	Thallium	0.85	MG/KG	U	UJ	D05
REG	Vanadium	25.9	MG/KG	=		
REG	Zinc	59.3	MG/KG	J		I03

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	4.3	UG/KG	U	U	
REG	4,4'-DDE	4.3	UG/KG	U	U	
REG	4,4'-DDT	4.3	UG/KG	U	U	
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	22	UG/KG	U	U	
REG	Aroclor-1221	22	UG/KG	U	U	
REG	Aroclor-1232	22	UG/KG	U	U	
REG	Aroclor-1242	22	UG/KG	U	U	
REG	Aroclor-1248	22	UG/KG	U	U	
REG	Aroclor-1254	43	UG/KG	U	U	
REG	Aroclor-1260	43	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	U	
REG	Endrin	4.3	UG/KG	U	U	
REG	Endrin Aldehyde	4.3	UG/KG	U	U	
REG	Endrin Ketone	4.3	UG/KG	U	U	
REG	Gamma Chlordane	2.2	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	2.2	UG/KG	U	U	
REG	Heptachlor	2.2	UG/KG	U	U	
REG	Heptachlor Epoxide	2.2	UG/KG	U	U	
REG	Methoxychlor	22	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	430	UG/KG	U	U	
REG	1,2-Dichlorobenzene	430	UG/KG	U	U	
REG	1,3-Dichlorobenzene	430	UG/KG	U	U	
REG	1,4-Dichlorobenzene	430	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	430	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	430	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	430	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
 Station: BKGss-003

BKGss-003(b)-0788-SO 0.0 - 1.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 04/22/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2,4-Dichlorophenol	430	UG/KG	U	U	
REG	2,4-Dimethylphenol	430	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	430	UG/KG	U	U	
REG	2,6-Dinitrotoluene	430	UG/KG	U	U	
REG	2-Chloronaphthalene	430	UG/KG	U	U	
REG	2-Chlorophenol	430	UG/KG	U	U	
REG	2-Methylnaphthalene	430	UG/KG	U	U	
REG	2-Methylphenol	430	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	430	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	430	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	430	UG/KG	U	U	
REG	4-Chloroaniline	430	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	430	UG/KG	U	U	
REG	4-Methylphenol	430	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	430	UG/KG	U	U	
REG	Acenaphthene	430	UG/KG	U	U	
REG	Acenaphthylene	430	UG/KG	U	U	
REG	Anthracene	430	UG/KG	U	U	
REG	Benzo(a)anthracene	80	UG/KG	J	J	
REG	Benzo(a)pyrene	66	UG/KG	J	J	
REG	Benzo(b)fluoranthene	110	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	430	UG/KG	U	U	
REG	Benzo(k)fluoranthene	430	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	430	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	430	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	430	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	430	UG/KG	U	U	
REG	Carbazole	430	UG/KG	U	U	
REG	Chrysene	100	UG/KG	J	J	
REG	Di-n-butyl Phthalate	430	UG/KG	U	U	
REG	Di-n-octyl Phthalate	430	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	430	UG/KG	U	U	
REG	Dibenzofuran	430	UG/KG	U	U	
REG	Diethyl Phthalate	430	UG/KG	U	U	
REG	Dimethyl Phthalate	430	UG/KG	U	U	
REG	Fluoranthene	220	UG/KG	J	J	
REG	Fluorene	430	UG/KG	U	U	
REG	Hexachlorobenzene	430	UG/KG	U	U	
REG	Hexachlorobutadiene	430	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	430	UG/KG	U	U	
REG	Hexachloroethane	430	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	430	UG/KG	U	U	
REG	Isophorone	430	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	430	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	430	UG/KG	U	U	
REG	Naphthalene	430	UG/KG	U	U	
REG	Nitrobenzene	430	UG/KG	U	U	
REG	Pentachlorophenol	430	UG/KG	U	U	
REG	Phenanthrene	110	UG/KG	J	J	
REG	Phenol	430	UG/KG	U	U	
REG	Pyrene	190	UG/KG	J	J	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Total Organic Carbon	17000	MG/KG	=		

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	6.5	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.5	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.5	UG/KG	U	U	
REG	1,1-Dichloroethane	6.5	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGss-003

BKGss-003(b)-0786-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1-Dichloroethene	6.5	UG/KG	U	U	
REG	1,2-Dichloroethane	6.5	UG/KG	U	U	
REG	1,2-Dichloroethene	6.5	UG/KG	U	U	
REG	1,2-Dichloropropane	6.5	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.5	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.5	UG/KG	U	U	
REG	2-Butanone	13	UG/KG	U	U	
REG	2-Hexanone	13	UG/KG	U	U	
REG	4-Methyl-2-pentanone	13	UG/KG	U	U	
REG	Acetone	13	UG/KG	U	UJ	C05
REG	Benzene	6.5	UG/KG	U	U	
REG	Bromodichloromethane	6.5	UG/KG	U	U	
REG	Bromoform	6.5	UG/KG	U	U	
REG	Bromomethane	13	UG/KG	U	U	
REG	Carbon Disulfide	6.5	UG/KG	U	U	
REG	Carbon Tetrachloride	6.5	UG/KG	U	U	
REG	Chlorobenzene	6.5	UG/KG	U	U	
REG	Chloroethane	13	UG/KG	U	U	
REG	Chloroform	6.5	UG/KG	U	U	
REG	Chloromethane	13	UG/KG	U	U	
REG	Dibromochloromethane	6.5	UG/KG	U	U	
REG	Ethylbenzene	6.5	UG/KG	U	U	
REG	Methylene Chloride	6.5	UG/KG	U	U	
REG	Styrene	6.5	UG/KG	U	U	
REG	Tetrachloroethene	6.5	UG/KG	U	U	
REG	Toluene	6.5	UG/KG	U	U	
REG	Trichloroethene	6.5	UG/KG	U	U	
REG	Vinyl Chloride	13	UG/KG	U	U	
REG	Xylenes, Total	6.5	UG/KG	U	U	

Location: BACKGROUND
Station: BKGss-004

BKGss-004(b)-0787-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.65	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	12400	MG/KG		=	
REG	Antimony	0.65	MG/KG	U	UJ	102
REG	Arsenic	9.7	MG/KG		=	
REG	Barium	63.6	MG/KG		=	
REG	Beryllium	0.43	MG/KG	B	U	F06
REG	Cadmium	0.65	MG/KG	U	U	
REG	Calcium	1450	MG/KG		=	
REG	Chromium	14.5	MG/KG		=	
REG	Cobalt	9.2	MG/KG	B	J	
REG	Copper	11.1	MG/KG		J	E07
REG	Iron	18100	MG/KG		=	
REG	Lead	18.9	MG/KG		J	102
REG	Magnesium	1910	MG/KG		=	
REG	Manganese	623	MG/KG		=	
REG	Mercury	0.035	MG/KG	B	J	
REG	Nickel	13.9	MG/KG		J	D05
REG	Potassium	678	MG/KG		=	
REG	Selenium	0.65	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	78.8	MG/KG	B	U	F01,F06
REG	Thallium	0.65	MG/KG	U	UJ	D05
REG	Vanadium	23.5	MG/KG		=	
REG	Zinc	58.7	MG/KG		J	103

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	430	UG/KG	U	U	

Location: BACKGROUND
Station: BKGss-004

BKGss-004(b)-0787-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2-Dichlorobenzene	430	UG/KG	U	U	
REG	1,3-Dichlorobenzene	430	UG/KG	U	U	
REG	1,4-Dichlorobenzene	430	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	430	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	430	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	430	UG/KG	U	U	
REG	2,4-Dichlorophenol	430	UG/KG	U	U	
REG	2,4-Dimethylphenol	430	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	430	UG/KG	U	U	
REG	2,6-Dinitrotoluene	430	UG/KG	U	U	
REG	2-Chloronaphthalene	430	UG/KG	U	U	
REG	2-Chlorophenol	430	UG/KG	U	U	
REG	2-Methylnaphthalene	430	UG/KG	U	U	
REG	2-Methylphenol	430	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	430	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	430	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	430	UG/KG	U	U	
REG	4-Chloroaniline	430	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	430	UG/KG	U	U	
REG	4-Methylphenol	430	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	430	UG/KG	U	U	
REG	Acenaphthene	430	UG/KG	U	U	
REG	Acenaphthylene	430	UG/KG	U	U	
REG	Anthracene	430	UG/KG	U	U	
REG	Benzo(a)anthracene	110	UG/KG	J	J	
REG	Benzo(a)pyrene	100	UG/KG	J	J	
REG	Benzo(b)fluoranthene	130	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	51	UG/KG	J	J	
REG	Benzo(k)fluoranthene	54	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	430	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	430	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	430	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	430	UG/KG	U	U	
REG	Carbazole	430	UG/KG	U	U	
REG	Chrysene	120	UG/KG	J	J	
REG	Di-n-butyl Phthalate	430	UG/KG	U	U	
REG	Di-n-octyl Phthalate	430	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	430	UG/KG	U	U	
REG	Dibenzofuran	430	UG/KG	U	U	
REG	Diethyl Phthalate	430	UG/KG	U	U	
REG	Dimethyl Phthalate	430	UG/KG	U	U	
REG	Fluoranthene	290	UG/KG	J	J	
REG	Fluorene	430	UG/KG	U	U	
REG	Hexachlorobenzene	430	UG/KG	U	U	
REG	Hexachlorobutadiene	430	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	430	UG/KG	U	U	
REG	Hexachloroethane	430	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	54	UG/KG	J	J	
REG	Isophorone	430	UG/KG	U	U	
REG	N-Nitroso-dl-n-propylamine	430	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	430	UG/KG	U	U	
REG	Naphthalene	430	UG/KG	U	U	
REG	Nitrobenzene	430	UG/KG	U	U	
REG	Pentachlorophenol	430	UG/KG	U	U	
REG	Phenanthrene	150	UG/KG	J	J	
REG	Phenol	430	UG/KG	U	U	
REG	Pyrene	230	UG/KG	J	J	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Total Organic Carbon	19000	MG/KG	=		

Location: BACKGROUND
Station: BKGss-005

BKGss-005(b)-0788-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	1.9	MG/KG	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12400	MG/KG	=		
REG	Antimony	0.58	MG/KG	U	UJ	102
REG	Arsenic	6.9	MG/KG	=		
REG	Barium	137	MG/KG	J		102
REG	Beryllium	0.72	MG/KG	J		102
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	35200	MG/KG	=		
REG	Chromium	9	MG/KG	=		
REG	Cobalt	4.3	MG/KG	B	J	
REG	Copper	11.5	MG/KG	=		
REG	Iron	11100	MG/KG	=		
REG	Lead	13.7	MG/KG	=		
REG	Magnesium	3690	MG/KG	J		103
REG	Manganese	1540	MG/KG	J		D04
REG	Mercury	0.053	MG/KG	B	U	F01,F06
REG	Nickel	9.4	MG/KG	=		
REG	Potassium	1080	MG/KG	=		
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	308	MG/KG	B	J	
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	12.5	MG/KG	=		
REG	Zinc	40.9	MG/KG	L	J	E07

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	380	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	930	UG/KG	U	U	
REG	2,4-Dinitrotoluene	380	UG/KG	U	U	
REG	2,6-Dinitrotoluene	380	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	930	UG/KG	U	U	
REG	2-Nitrophenol	380	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	380	UG/KG	U	U	
REG	3-Nitroaniline	930	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	930	UG/KG	U	J	
REG	4-Bromophenyl-phenyl Ether	380	UG/KG	U	J	
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	930	UG/KG	U	J	
REG	4-Nitrophenol	930	UG/KG	U	U	
REG	4-chloro-3-methylphenol	380	UG/KG	U	U	
REG	Acenaphthene	380	UG/KG	U	U	
REG	Acenaphthylene	70	UG/KG	J	J	
REG	Anthracene	120	UG/KG	J	J	
REG	Benzo(a)anthracene	650	UG/KG	=		
REG	Benzo(a)pyrene	620	UG/KG	=		
REG	Benzo(b)fluoranthene	800	UG/KG	=		
REG	Benzo(g,h,i)perylene	300	UG/KG	J	J	
REG	Benzo(k)fluoranthene	350	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	380	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	380	UG/KG	U	U	

Location: BACKGROUND
Station: BKGss-005

BKGss-005(b)-0788-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Bis(2-ethylhexyl)phthalate	380	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	380	UG/KG	U	U	
REG	Carbazole	71	UG/KG	J	J	
REG	Chrysene	700	UG/KG		=	
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	110	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	1500	UG/KG		=	
REG	Fluorene	65	UG/KG	J	J	
REG	Hexachlorobenzene	380	UG/KG	U	J	
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	380	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	J	
REG	Naphthalene	380	UG/KG	U	U	
REG	Nitrobenzene	380	UG/KG	U	U	
REG	Pentachlorophenol	380	UG/KG	U	J	
REG	Phenanthrene	810	UG/KG		=	
REG	Phenol	380	UG/KG	U	U	
REG	Pyrene	1100	UG/KG		=	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
REG	Total Organic Carbon	5100	MG/KG		=	

Location: BACKGROUND
Station: BKGss-006

BKGss-006(b)-0789-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.64	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
REG	Aluminum	17700	MG/KG		=	
REG	Antimony	0.64	MG/KG	U	UJ	I02
REG	Arsenic	8.7	MG/KG		=	
REG	Barium	63.8	MG/KG		=	
REG	Beryllium	0.32	MG/KG	B	U	F06
REG	Cadmium	0.64	MG/KG	U	U	
REG	Calcium	238	MG/KG	B	J	
REG	Chromium	17.4	MG/KG		=	
REG	Cobalt	6.5	MG/KG	B	J	
REG	Copper	11.7	MG/KG	J	J	E07
REG	Iron	18500	MG/KG		=	
REG	Lead	12.8	MG/KG	J	J	I02
REG	Magnesium	1990	MG/KG		=	
REG	Manganese	147	MG/KG		=	
REG	Mercury	0.034	MG/KG	B	J	
REG	Nickel	16.2	MG/KG	J	J	D05
REG	Potassium	606	MG/KG	B	J	
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	63.8	MG/KG	B	U	F01,F06
REG	Thallium	0.64	MG/KG	U	UJ	D05
REG	Vanadium	31.1	MG/KG		=	
REG	Zinc	58.4	MG/KG	J	J	I03

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	420	UG/KG	U	U	
REG	1,2-Dichlorobenzene	420	UG/KG	U	U	
REG	1,3-Dichlorobenzene	420	UG/KG	U	U	
REG	1,4-Dichlorobenzene	420	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	420	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	420	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	420	UG/KG	U	U	
REG	2,4-Dichlorophenol	420	UG/KG	U	U	
REG	2,4-Dimethylphenol	420	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	420	UG/KG	U	U	
REG	2,6-Dinitrotoluene	420	UG/KG	U	U	
REG	2-Chloronaphthalene	420	UG/KG	U	U	
REG	2-Chlorophenol	420	UG/KG	U	U	
REG	2-Methylnaphthalene	420	UG/KG	U	U	
REG	2-Methylphenol	420	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	420	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	420	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	420	UG/KG	U	U	
REG	4-Chloroaniline	420	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	420	UG/KG	U	U	
REG	4-Methylphenol	420	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	420	UG/KG	U	U	
REG	Acenaphthene	420	UG/KG	U	U	
REG	Acenaphthylene	420	UG/KG	U	U	
REG	Anthracene	420	UG/KG	U	U	
REG	Benzo(a)anthracene	420	UG/KG	U	U	
REG	Benzo(a)pyrene	420	UG/KG	U	U	
REG	Benzo(b)fluoranthene	420	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	420	UG/KG	U	U	
REG	Benzo(k)fluoranthene	420	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	420	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	420	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	420	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	420	UG/KG	U	U	
REG	Carbazole	420	UG/KG	U	U	
REG	Chrysene	420	UG/KG	U	U	
REG	Di-n-butyl Phthalate	420	UG/KG	U	U	
REG	Di-n-octyl Phthalate	420	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	420	UG/KG	U	U	
REG	Dibenzofuran	420	UG/KG	U	U	
REG	Diethyl Phthalate	420	UG/KG	U	U	
REG	Dimethyl Phthalate	420	UG/KG	U	U	
REG	Fluoranthene	420	UG/KG	U	U	
REG	Fluorene	420	UG/KG	U	U	
REG	Hexachlorobenzene	420	UG/KG	U	U	
REG	Hexachlorobutadiene	420	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	420	UG/KG	U	U	
REG	Hexachloroethane	420	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	420	UG/KG	U	U	
REG	Isophorone	420	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	420	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	420	UG/KG	U	U	
REG	Naphthalene	420	UG/KG	U	U	
REG	Nitrobenzene	420	UG/KG	U	U	
REG	Pentachlorophenol	420	UG/KG	U	U	
REG	Phenanthrene	420	UG/KG	U	U	
REG	Phenol	420	UG/KG	U	U	
REG	Pyrene	420	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	8600	MG/KG	=		

Location: BACKGROUND
Station: BKGss-007

BKGss-007(b)-0790-SO 0.0 - 1.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.68	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12000	MG/KG	=		
REG	Antimony	0.68	MG/KG	U	UJ	102
REG	Arsenic	9.6	MG/KG	=		
REG	Barium	72.7	MG/KG	=		
REG	Beryllium	0.44	MG/KG	B	U	F08
REG	Cadmium	0.68	MG/KG	U	U	
REG	Calcium	617	MG/KG	B	J	
REG	Chromium	14.1	MG/KG	=		
REG	Cobalt	10.3	MG/KG	B	J	
REG	Copper	10.5	MG/KG	J		E07
REG	Iron	18200	MG/KG	=		
REG	Lead	17.2	MG/KG	J		102
REG	Magnesium	1710	MG/KG	=		
REG	Manganese	817	MG/KG	=		
REG	Mercury	0.033	MG/KG	B	J	
REG	Nickel	15.7	MG/KG	J		D05
REG	Potassium	551	MG/KG	B	J	
REG	Selenium	1.4	MG/KG	=		
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	59.1	MG/KG	B	U	F01,F06
REG	Thallium	0.68	MG/KG	U	UJ	D05
REG	Vanadium	24.4	MG/KG	=		
REG	Zinc	50.9	MG/KG	J		103

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	4.5	UG/KG	U	U	
REG	4,4'-DDE	4.5	UG/KG	U	U	
REG	4,4'-DDT	4.5	UG/KG	U	U	
REG	Aldrin	2.3	UG/KG	U	U	
REG	Alpha Chlordane	2.3	UG/KG	U	U	
REG	Alpha-BHC	2.3	UG/KG	U	U	
REG	Aroclor-1016	23	UG/KG	U	U	
REG	Aroclor-1221	23	UG/KG	U	U	
REG	Aroclor-1232	23	UG/KG	U	U	
REG	Aroclor-1242	23	UG/KG	U	U	
REG	Aroclor-1248	23	UG/KG	U	U	
REG	Aroclor-1254	45	UG/KG	U	U	
REG	Aroclor-1260	45	UG/KG	U	U	
REG	Beta-BHC	2.3	UG/KG	U	U	
REG	Delta-BHC	2.3	UG/KG	U	U	
REG	Dieldrin	4.5	UG/KG	U	U	
REG	Endosulfan I	2.3	UG/KG	U	U	
REG	Endosulfan II	4.5	UG/KG	U	U	
REG	Endosulfan Sulfate	4.5	UG/KG	U	U	
REG	Endrin	4.5	UG/KG	U	U	
REG	Endrin Aldehyde	4.5	UG/KG	U	U	
REG	Endrin Ketone	4.5	UG/KG	U	U	
REG	Gamma Chlordane	2.3	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	2.3	UG/KG	U	U	
REG	Heptachlor	2.3	UG/KG	U	U	
REG	Heptachlor Epoxide	2.3	UG/KG	U	U	
REG	Methoxychlor	23	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	450	UG/KG	U	U	
REG	1,2-Dichlorobenzene	450	UG/KG	U	U	
REG	1,3-Dichlorobenzene	450	UG/KG	U	U	
REG	1,4-Dichlorobenzene	450	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	450	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	450	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	450	UG/KG	U	U	

Location: BACKGROUND
Station: BKGas-007

BKGas-007(b)-0790-SO 0.0 - 1.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 04/22/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2,4-Dichlorophenol	450	UG/KG	U	U	
REG	2,4-Dimethylphenol	450	UG/KG	U	U	
REG	2,4-Dinitrophenol	1100	UG/KG	U	U	
REG	2,4-Dinitrotoluene	450	UG/KG	U	U	
REG	2,6-Dinitrotoluene	450	UG/KG	U	U	
REG	2-Chloronaphthalene	450	UG/KG	U	U	
REG	2-Chlorophenol	450	UG/KG	U	U	
REG	2-Methylnaphthalene	450	UG/KG	U	U	
REG	2-Methylphenol	450	UG/KG	U	U	
REG	2-Nitroaniline	1100	UG/KG	U	U	
REG	2-Nitrophenol	450	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	450	UG/KG	U	U	
REG	3-Nitroaniline	1100	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1100	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	450	UG/KG	U	U	
REG	4-Chloroaniline	450	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	450	UG/KG	U	U	
REG	4-Methylphenol	450	UG/KG	U	U	
REG	4-Nitroaniline	1100	UG/KG	U	U	
REG	4-Nitrophenol	1100	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	450	UG/KG	U	U	
REG	Acenaphthene	450	UG/KG	U	U	
REG	Acenaphthylene	450	UG/KG	U	U	
REG	Anthracene	450	UG/KG	U	U	
REG	Benzo(a)anthracene	450	UG/KG	U	U	
REG	Benzo(a)pyrene	450	UG/KG	U	U	
REG	Benzo(b)fluoranthene	450	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	450	UG/KG	U	U	
REG	Benzo(k)fluoranthene	450	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	450	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	450	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	450	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	450	UG/KG	U	U	
REG	Carbazole	450	UG/KG	U	U	
REG	Chrysene	450	UG/KG	U	U	
REG	Di-n-butyl Phthalate	450	UG/KG	U	U	
REG	Di-n-octyl Phthalate	450	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	450	UG/KG	U	U	
REG	Dibenzofuran	450	UG/KG	U	U	
REG	Diethyl Phthalate	450	UG/KG	U	U	
REG	Dimethyl Phthalate	450	UG/KG	U	U	
REG	Fluoranthene	450	UG/KG	U	U	
REG	Fluorene	450	UG/KG	U	U	
REG	Hexachlorobenzene	450	UG/KG	U	U	
REG	Hexachlorobutadiene	450	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	450	UG/KG	U	U	
REG	Hexachloroethane	450	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	450	UG/KG	U	U	
REG	Isophorone	450	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	450	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	450	UG/KG	U	U	
REG	Naphthalene	450	UG/KG	U	U	
REG	Nitrobenzene	450	UG/KG	U	U	
REG	Pentachlorophenol	450	UG/KG	U	U	
REG	Phenanthrene	450	UG/KG	U	U	
REG	Phenol	450	UG/KG	U	U	
REG	Pyrene	450	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Total Organic Carbon	13000	MG/KG	=		

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	6.8	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.8	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.8	UG/KG	U	U	
REG	1,1-Dichloroethane	6.8	UG/KG	U	U	

Location: BACKGROUND
Station: BKGss-007

BKGss-007(b)-0790-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1-Dichloroethene	6.8	UG/KG	U	U	
REG	1,2-Dichloroethane	6.8	UG/KG	U	U	
REG	1,2-Dichloroethene	6.8	UG/KG	U	U	
REG	1,2-Dichloropropane	6.8	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.8	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.8	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	14	UG/KG	U	UJ	C05
REG	Benzene	6.8	UG/KG	U	U	
REG	Bromodichloromethane	6.8	UG/KG	U	U	
REG	Bromoform	6.8	UG/KG	U	U	
REG	Bromomethane	14	UG/KG	U	U	
REG	Carbon Disulfide	6.8	UG/KG	U	U	
REG	Carbon Tetrachloride	6.8	UG/KG	U	U	
REG	Chlorobenzene	6.8	UG/KG	U	U	
REG	Chloroethane	14	UG/KG	U	U	
REG	Chloroform	6.8	UG/KG	U	U	
REG	Chloromethane	14	UG/KG	U	U	
REG	Dibromochloromethane	6.8	UG/KG	U	U	
REG	Ethylbenzene	6.8	UG/KG	U	U	
REG	Methylene Chloride	6.8	UG/KG	U	U	
REG	Styrene	6.8	UG/KG	U	U	
REG	Tetrachloroethene	6.8	UG/KG	U	U	
REG	Toluene	6.8	UG/KG	U	U	
REG	Trichloroethane	6.8	UG/KG	U	U	
REG	Vinyl Chloride	14	UG/KG	U	U	
REG	Xylenes, Total	6.8	UG/KG	U	U	

BKGss-007(b)-0866-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/22/98

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	4.4	UG/KG	U	U	
REG	4,4'-DDE	4.4	UG/KG	U	U	
REG	4,4'-DDT	4.4	UG/KG	U	U	
REG	Aldrin	2.3	UG/KG	U	U	
REG	Alpha Chlordane	2.3	UG/KG	U	U	
REG	Alpha-BHC	2.3	UG/KG	U	U	
REG	Aroclor-1016	23	UG/KG	U	U	
REG	Aroclor-1221	23	UG/KG	U	U	
REG	Aroclor-1232	23	UG/KG	U	U	
REG	Aroclor-1242	23	UG/KG	U	U	
REG	Aroclor-1248	23	UG/KG	U	U	
REG	Aroclor-1254	44	UG/KG	U	U	
REG	Aroclor-1280	44	UG/KG	U	U	
REG	Beta-BHC	2.3	UG/KG	U	U	
REG	Delta-BHC	2.3	UG/KG	U	U	
REG	Dieldrin	4.4	UG/KG	U	U	
REG	Endosulfan I	2.3	UG/KG	U	U	
REG	Endosulfan II	4.4	UG/KG	U	U	
REG	Endosulfan Sulfate	4.4	UG/KG	U	U	
REG	Endrin	4.4	UG/KG	U	U	
REG	Endrin Aldehyde	4.4	UG/KG	U	U	
REG	Endrin Ketone	4.4	UG/KG	U	U	
REG	Gamma Chlordane	2.3	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	2.3	UG/KG	U	U	
REG	Heptachlor	2.3	UG/KG	U	U	
REG	Heptachlor Epoxide	2.3	UG/KG	U	U	
REG	Methoxychlor	23	UG/KG	U	U	
REG	Toxaphene	110	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	6.7	UG/KG	U	UJ	K01
REG	1,1,2,2-Tetrachloroethane	6.7	UG/KG	U	UJ	K01
REG	1,1,2-Trichloroethane	6.7	UG/KG	U	UJ	K01
REG	1,1-Dichloroethane	6.7	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGss-007

BKGss-007(b)-0866-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/22/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1-Dichloroethene	6.7	UG/KG	U	U	
REG	1,2-Dichloroethane	6.7	UG/KG	U	U	
REG	1,2-Dichloroethene	6.7	UG/KG	U	U	
REG	1,2-Dichloropropane	6.7	UG/KG	U	UJ	K01
REG	1,3-cis-Dichloropropene	6.7	UG/KG	U	UJ	K01
REG	1,3-trans-Dichloropropene	6.7	UG/KG	U	UJ	K01
REG	2-Butanone	13	UG/KG	U	U	
REG	2-Hexanone	13	UG/KG	U	UJ	K01
REG	4-Methyl-2-pentanone	13	UG/KG	U	UJ	K01
REG	Acetone	13	UG/KG		J	CO5,G01
REG	Benzene	6.7	UG/KG	U	U	
REG	Bromodichloromethane	6.7	UG/KG	U	UJ	K01
REG	Bromoform	6.7	UG/KG	U	UJ	K01
REG	Bromomethane	13	UG/KG	U	U	
REG	Carbon Disulfide	6.7	UG/KG	U	U	
REG	Carbon Tetrachloride	6.7	UG/KG	U	UJ	K01
REG	Chlorobenzene	6.7	UG/KG	U	UJ	K01
REG	Chloroethane	13	UG/KG	U	U	
REG	Chloroform	6.7	UG/KG	U	U	
REG	Chloromethane	13	UG/KG	U	U	
REG	Dibromochloromethane	6.7	UG/KG	U	UJ	K01
REG	Ethylbenzene	6.7	UG/KG	U	UJ	K01
REG	Methylene Chloride	6.7	UG/KG	U	U	
REG	Styrene	6.7	UG/KG	U	UJ	K01
REG	Tetrachloroethene	6.7	UG/KG	U	UJ	K01
REG	Toluene	2.8	UG/KG	J	J	G01,K01
REG	Trichloroethene	6.7	UG/KG	U	UJ	K01
REG	Vinyl Chloride	13	UG/KG	U	U	
REG	Xylenes, Total	6.7	UG/KG	U	UJ	K01

Location: BACKGROUND
Station : BKGss-008

BKGss-008(b)-0791-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.65	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	12800	MG/KG		=	
REG	Antimony	0.65	MG/KG	U	UJ	I02
REG	Arsenic	11.1	MG/KG		=	
REG	Barium	78.9	MG/KG		=	
REG	Beryllium	0.51	MG/KG	B	U	F06
REG	Cadmium	0.65	MG/KG	U	U	
REG	Calcium	420	MG/KG	B	J	
REG	Chromium	14.4	MG/KG		=	
REG	Cobalt	10.4	MG/KG	B	J	
REG	Copper	11.7	MG/KG		J	E07
REG	Iron	18700	MG/KG		=	
REG	Lead	18.9	MG/KG		J	I02
REG	Magnesium	1750	MG/KG		=	
REG	Manganese	885	MG/KG		=	
REG	Mercury	0.028	MG/KG	B	J	
REG	Nickel	16.4	MG/KG		J	D05
REG	Potassium	652	MG/KG	B	J	
REG	Selenium	0.65	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	59.1	MG/KG	B	U	F01,F06
REG	Thallium	0.65	MG/KG	U	UJ	D05
REG	Vanadium	24.8	MG/KG		=	
REG	Zinc	59.3	MG/KG		J	I03
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	430	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGss-008

BKGss-008(b)-0791-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2-Dichlorobenzene	430	UG/KG	U	U	
REG	1,3-Dichlorobenzene	430	UG/KG	U	U	
REG	1,4-Dichlorobenzene	430	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	430	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	430	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	430	UG/KG	U	U	
REG	2,4-Dichlorophenol	430	UG/KG	U	U	
REG	2,4-Dimethylphenol	430	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	430	UG/KG	U	U	
REG	2,6-Dinitrotoluene	430	UG/KG	U	U	
REG	2-Chloronaphthalene	430	UG/KG	U	U	
REG	2-Chlorophenol	430	UG/KG	U	U	
REG	2-Methylnaphthalene	430	UG/KG	U	U	
REG	2-Methylphenol	430	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	430	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	430	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	430	UG/KG	U	U	
REG	4-Chloroaniline	430	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	430	UG/KG	U	U	
REG	4-Methylphenol	430	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	430	UG/KG	U	U	
REG	Acenaphthene	430	UG/KG	U	U	
REG	Acenaphthylene	430	UG/KG	U	U	
REG	Anthracene	430	UG/KG	U	U	
REG	Benzo(a)anthracene	430	UG/KG	U	U	
REG	Benzo(a)pyrene	430	UG/KG	U	U	
REG	Benzo(b)fluoranthene	430	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	430	UG/KG	U	U	
REG	Benzo(k)fluoranthene	430	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	430	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	430	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	430	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	430	UG/KG	U	U	
REG	Carbazole	430	UG/KG	U	U	
REG	Chrysene	430	UG/KG	U	U	
REG	Di-n-butyl Phthalate	430	UG/KG	U	U	
REG	Di-n-octyl Phthalate	430	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	430	UG/KG	U	U	
REG	Dibenzofuran	430	UG/KG	U	U	
REG	Diethyl Phthalate	430	UG/KG	U	U	
REG	Dimethyl Phthalate	430	UG/KG	U	U	
REG	Fluoranthene	430	UG/KG	U	U	
REG	Fluorene	430	UG/KG	U	U	
REG	Hexachlorobenzene	430	UG/KG	U	U	
REG	Hexachlorobutadiene	430	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	430	UG/KG	U	U	
REG	Hexachloroethane	430	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	430	UG/KG	U	U	
REG	Isophorone	430	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	430	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	430	UG/KG	U	U	
REG	Naphthalene	430	UG/KG	U	U	
REG	Nitrobenzene	430	UG/KG	U	U	
REG	Pentachlorophenol	430	UG/KG	U	U	
REG	Phenanthrene	430	UG/KG	U	U	
REG	Phenol	430	UG/KG	U	U	
REG	Pyrene	430	UG/KG	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	14000	MG/KG	=		

Ravenna Army Ammunition Plant Phase I RI

Location: BACKGROUND

Station : BKGS-009

BKGS-009(b)-0792-SO 0.0 - 1.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.67	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	8050	MG/KG		=	
REG	Antimony	0.67	MG/KG	U	UJ	102
REG	Arsenic	15.4	MG/KG		=	
REG	Barium	88.4	MG/KG		=	
REG	Beryllium	0.82	MG/KG		U	F07
REG	Cadmium	0.67	MG/KG	U	U	
REG	Calcium	15800	MG/KG		=	
REG	Chromium	6.7	MG/KG		=	
REG	Cobalt	8.3	MG/KG	B	J	
REG	Copper	11	MG/KG		J	E07
REG	Iron	16200	MG/KG		=	
REG	Lead	22.3	MG/KG		J	102
REG	Magnesium	2990	MG/KG		=	
REG	Manganese	1450	MG/KG		=	
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	12.9	MG/KG		J	D05
REG	Potassium	795	MG/KG		=	
REG	Selenium	0.67	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	123	MG/KG	B	J	
REG	Thallium	0.67	MG/KG	U	UJ	D05
REG	Vanadium	11.4	MG/KG		=	
REG	Zinc	40.1	MG/KG		J	103

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	440	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	2,4-Dinitrotoluene	440	UG/KG	U	U	
REG	2,6-Dinitrotoluene	440	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	440	UG/KG	U	U	
REG	3-Nitroaniline	1100	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1100	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	

Location: BACKGROUND
Station : BKGss-009

BKGss-009(b)-0792-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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	Nitrobenzene	440	UG/KG	U	U	
REG	Pentachlorophenol	440	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		Validation Code
REG	Total Organic Carbon	21000	MG/KG	=		

Location: BACKGROUND
Station : BKGss-010

BKGss-010(b)-0793-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.78	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
REG	Aluminum	4920	MG/KG	=		
REG	Antimony	0.78	MG/KG	U	UJ	I02
REG	Arsenic	13.1	MG/KG	=		
REG	Barium	51	MG/KG	=		
REG	Beryllium	0.58	MG/KG	B	U	F06
REG	Cadmium	0.78	MG/KG	U	U	
REG	Calcium	5590	MG/KG	=		
REG	Chromium	6.3	MG/KG	=		
REG	Cobalt	8.4	MG/KG	B	J	
REG	Copper	9.7	MG/KG	J		E07
REG	Iron	18300	MG/KG	=		
REG	Lead	26.1	MG/KG	J		I02
REG	Magnesium	1140	MG/KG	=		
REG	Manganese	789	MG/KG	=		
REG	Mercury	0.18	MG/KG	U	U	
REG	Nickel	12.9	MG/KG	J		D05
REG	Potassium	811	MG/KG	B	J	
REG	Selenium	0.78	MG/KG	U	U	
REG	Silver	1.6	MG/KG	U	U	
REG	Sodium	104	MG/KG	B	U	F01,F06
REG	Thallium	0.78	MG/KG	U	UJ	D05
REG	Vanadium	9.8	MG/KG	=		
REG	Zinc	43.9	MG/KG	J		I03

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	520	UG/KG	U	U	
REG	1,2-Dichlorobenzene	520	UG/KG	U	U	
REG	1,3-Dichlorobenzene	520	UG/KG	U	U	
REG	1,4-Dichlorobenzene	520	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	520	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	520	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	520	UG/KG	U	U	
REG	2,4-Dichlorophenol	520	UG/KG	U	U	
REG	2,4-Dimethylphenol	520	UG/KG	U	U	
REG	2,4-Dinitrophenol	1300	UG/KG	U	U	
REG	2,4-Dinitrotoluene	520	UG/KG	U	U	
REG	2,6-Dinitrotoluene	520	UG/KG	U	U	
REG	2-Chloronaphthalene	520	UG/KG	U	U	
REG	2-Chlorophenol	520	UG/KG	U	U	
REG	2-Methylnaphthalene	520	UG/KG	U	U	
REG	2-Methylphenol	520	UG/KG	U	U	
REG	2-Nitroaniline	1300	UG/KG	U	U	
REG	2-Nitrophenol	520	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	520	UG/KG	U	U	
REG	3-Nitroaniline	1300	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1300	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	520	UG/KG	U	U	
REG	4-Chloroaniline	520	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	520	UG/KG	U	U	
REG	4-Methylphenol	520	UG/KG	U	U	
REG	4-Nitroaniline	1300	UG/KG	U	U	
REG	4-Nitrophenol	1300	UG/KG	U	U	
REG	4-chloro-3-methylphenol	520	UG/KG	U	U	
REG	Acenaphthene	520	UG/KG	U	U	
REG	Acenaphthylene	520	UG/KG	U	U	
REG	Anthracene	520	UG/KG	U	U	
REG	Benzo(a)anthracene	520	UG/KG	U	U	
REG	Benzo(a)pyrene	520	UG/KG	U	U	
REG	Benzo(b)fluoranthene	520	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	520	UG/KG	U	U	
REG	Benzo(k)fluoranthene	520	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	520	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	520	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	520	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	520	UG/KG	U	U	
REG	Carbazole	520	UG/KG	U	U	
REG	Chrysene	520	UG/KG	U	U	
REG	Di-n-butyl Phthalate	520	UG/KG	U	U	
REG	Di-n-octyl Phthalate	520	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	520	UG/KG	U	U	
REG	Dibenzofuran	520	UG/KG	U	U	
REG	Diethyl Phthalate	520	UG/KG	U	U	
REG	Dimethyl Phthalate	520	UG/KG	U	U	
REG	Fluoranthene	520	UG/KG	U	U	
REG	Fluorene	520	UG/KG	U	U	
REG	Hexachlorobenzene	520	UG/KG	U	U	
REG	Hexachlorobutadiene	520	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	520	UG/KG	U	U	
REG	Hexachloroethane	520	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	520	UG/KG	U	U	
REG	Isophorone	520	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	520	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	520	UG/KG	U	U	
REG	Naphthalene	520	UG/KG	U	U	
REG	Nitrobenzene	520	UG/KG	U	U	
REG	Pentachlorophenol	520	UG/KG	U	U	
REG	Phenanthrene	520	UG/KG	U	U	
REG	Phenol	520	UG/KG	U	U	
REG	Pyrene	520	UG/KG	U	U	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	24000	MG/KG	=		

Location: BACKGROUND
Station: BKGss-011

BKGss-011(b)-0794-SO 0.0 - 1.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 04/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	17800	MG/KG	=		
REG	Antimony	0.61	MG/KG	U	UJ	102
REG	Arsenic	7.4	MG/KG	=		
REG	Barium	213	MG/KG	=		
REG	Beryllium	1.6	MG/KG	=		
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	70400	MG/KG	=		
REG	Chromium	15.2	MG/KG	=		
REG	Cobalt	5.2	MG/KG	B	J	
REG	Copper	16.4	MG/KG		J	E07
REG	Iron	14500	MG/KG	=		
REG	Lead	66.5	MG/KG		J	102
REG	Magnesium	10300	MG/KG	=		
REG	Manganese	3080	MG/KG	=		
REG	Mercury	0.05	MG/KG	B	J	
REG	Nickel	22.1	MG/KG		J	D05
REG	Potassium	1490	MG/KG	=		
REG	Selenium	0.61	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	450	MG/KG	B	J	
REG	Thallium	0.61	MG/KG	U	UJ	D05
REG	Vanadium	16.4	MG/KG	=		
REG	Zinc	53.8	MG/KG		J	103

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	980	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	83	UG/KG	J	J	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	980	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	980	UG/KG	U	U	
REG	4,8-Dinitro-o-Cresol	980	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	980	UG/KG	U	U	
REG	4-Nitrophenol	980	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	220	UG/KG	J	J	
REG	Benzo(a)pyrene	240	UG/KG	J	J	
REG	Benzo(b)fluoranthene	380	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	100	UG/KG	J	J	
REG	Benzo(k)fluoranthene	170	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGss-011

BKGss-011(b)-0794-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	260	UG/KG	J	J	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	440	UG/KG		=	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	110	UG/KG	J	J	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroac-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	200	UG/KG	J	J	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG		=	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
REG	Total Organic Carbon	24000	MG/KG		=	

Location: BACKGROUND
Station: BKGss-012

BKGss-012(b)-0795-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.91	MG/KG		=	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
REG	Aluminum	15300	MG/KG		=	
REG	Antimony	0.57	MG/KG	U	UJ	102
REG	Arsenic	8.3	MG/KG		=	
REG	Barium	149	MG/KG		=	
REG	Beryllium	1.8	MG/KG		=	
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	51800	MG/KG		=	
REG	Chromium	12.5	MG/KG		=	
REG	Cobalt	5.1	MG/KG	B	J	
REG	Copper	21.3	MG/KG		J	E07
REG	Iron	15600	MG/KG		=	
REG	Lead	39.2	MG/KG		J	102
REG	Magnesium	7450	MG/KG		=	
REG	Manganese	1000	MG/KG		=	
REG	Mercury	0.046	MG/KG	B	J	
REG	Nickel	16.1	MG/KG		J	D05
REG	Potassium	1030	MG/KG		=	
REG	Selenium	0.57	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	240	MG/KG	B	J	
REG	Thallium	0.57	MG/KG	U	UJ	D05
REG	Vanadium	15.3	MG/KG		=	
REG	Zinc	55	MG/KG		J	103

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	1500	UG/KG	U	U	
REG	1,2-Dichlorobenzene	1500	UG/KG	U	U	
REG	1,3-Dichlorobenzene	1500	UG/KG	U	U	
REG	1,4-Dichlorobenzene	1500	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	1500	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1500	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	1500	UG/KG	U	U	
REG	2,4-Dichlorophenol	1500	UG/KG	U	U	
REG	2,4-Dimethylphenol	1500	UG/KG	U	U	
REG	2,4-Dinitrophenol	3700	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1500	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1500	UG/KG	U	U	
REG	2-Chloronaphthalene	1500	UG/KG	U	U	
REG	2-Chlorophenol	1500	UG/KG	U	U	
REG	2-Methylnaphthalene	300	UG/KG	J	J	
REG	2-Methylphenol	1500	UG/KG	U	U	
REG	2-Nitroaniline	3700	UG/KG	U	U	
REG	2-Nitrophenol	1500	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1500	UG/KG	U	U	
REG	3-Nitroaniline	3700	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	3700	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	1500	UG/KG	U	U	
REG	4-Chloroaniline	1500	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	1500	UG/KG	U	U	
REG	4-Methylphenol	1500	UG/KG	U	U	
REG	4-Nitroaniline	3700	UG/KG	U	U	
REG	4-Nitrophenol	3700	UG/KG	U	U	
REG	4-chloro-3-methylphenol	1500	UG/KG	U	U	
REG	Acenaphthene	880	UG/KG	J	J	
REG	Acenaphthylene	1500	UG/KG	U	U	
REG	Anthracene	1000	UG/KG	J	J	
REG	Benzo(a)anthracene	4100	UG/KG		=	
REG	Benzo(a)pyrene	3700	UG/KG		=	
REG	Benzo(b)fluoranthene	4800	UG/KG		=	
REG	Benzo(g,h,i)perylene	1300	UG/KG	J	J	
REG	Benzo(k)fluoranthene	2600	UG/KG		=	
REG	Bis(2-chloroethoxy)methane	1500	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	1500	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	1500	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	1500	UG/KG	U	U	
REG	Carbazole	660	UG/KG	J	J	
REG	Chrysene	4000	UG/KG		=	
REG	Di-n-butyl Phthalate	1500	UG/KG	U	U	
REG	Di-n-octyl Phthalate	1500	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	370	UG/KG	J	J	
REG	Dibenzofuran	430	UG/KG	J	J	
REG	Diethyl Phthalate	1500	UG/KG	U	U	
REG	Dimethyl Phthalate	1500	UG/KG	U	U	
REG	Fluoranthene	9500	UG/KG		=	
REG	Fluorene	670	UG/KG	J	J	
REG	Hexachlorobenzene	1500	UG/KG	U	U	
REG	Hexachlorobutadiene	1500	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	1500	UG/KG	U	U	
REG	Hexachloroethane	1500	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	1500	UG/KG		=	
REG	Isophorone	1500	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	1500	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	1500	UG/KG	U	U	
REG	Naphthalene	1500	UG/KG	U	U	
REG	Nitrobenzene	1500	UG/KG	U	U	
REG	Pentachlorophenol	1500	UG/KG	U	U	
REG	Phenanthrene	5800	UG/KG		=	
REG	Phenol	1500	UG/KG	U	U	
REG	Pyrene	9400	UG/KG		=	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Total Organic Carbon	23000	MG/KG		=	

Location: BACKGROUND
Station: BKGss-013

BKGss-013(b)-0786-SO 0.0 - 1.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13000	MG/KG	=		
REG	Antimony	0.64	MG/KG	U	UJ	I02
REG	Arsenic	13.5	MG/KG	=		
REG	Barium	80	MG/KG	=		
REG	Beryllium	0.53	MG/KG	B	U	F08
REG	Cadmium	0.64	MG/KG	U	U	
REG	Calcium	3260	MG/KG	J		I01
REG	Chromium	16.1	MG/KG	=		
REG	Cobalt	9.2	MG/KG	B	J	
REG	Copper	17.7	MG/KG	=		
REG	Iron	23100	MG/KG	=		
REG	Lead	16.9	MG/KG	=		
REG	Magnesium	3030	MG/KG	=		
REG	Manganese	360	MG/KG	MBB	=	
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	21.1	MG/KG	J		D05
REG	Potassium	927	MG/KG	=		
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	72.9	MG/KG	B	U	F01,F06
REG	Thallium	0.64	MG/KG	U	UJ	D05
REG	Vanadium	20.2	MG/KG	=		
REG	Zinc	61.8	MG/KG	=		

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	420	UG/KG	U	U	
REG	1,2-Dichlorobenzene	420	UG/KG	U	U	
REG	1,3-Dichlorobenzene	420	UG/KG	U	U	
REG	1,4-Dichlorobenzene	420	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	420	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	420	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	420	UG/KG	U	U	
REG	2,4-Dichlorophenol	420	UG/KG	U	U	
REG	2,4-Dimethylphenol	420	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	420	UG/KG	U	U	
REG	2,6-Dinitrotoluene	420	UG/KG	U	U	
REG	2-Chloronaphthalene	420	UG/KG	U	U	
REG	2-Chlorophenol	420	UG/KG	U	U	
REG	2-Methylnaphthalene	420	UG/KG	U	U	
REG	2-Methylphenol	420	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	420	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	420	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	420	UG/KG	U	U	
REG	4-Chloroaniline	420	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	420	UG/KG	U	U	
REG	4-Methylphenol	420	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	420	UG/KG	U	U	
REG	Acenaphthene	420	UG/KG	U	U	
REG	Acenaphthylene	420	UG/KG	U	U	
REG	Anthracene	420	UG/KG	U	U	
REG	Benzo(a)anthracene	44	UG/KG	J	J	
REG	Benzo(a)pyrene	420	UG/KG	U	U	
REG	Benzo(b)fluoranthene	62	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	420	UG/KG	U	U	
REG	Benzo(k)fluoranthene	420	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	420	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	420	UG/KG	U	U	

Location: BACKGROUND
Station : BKGss-013

BKGss-013(b)-0796-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Bis(2-ethylhexyl)phthalate	420	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	420	UG/KG	U	U	
REG	Carbazole	420	UG/KG	U	U	
REG	Chrysene	57	UG/KG	J	J	
REG	Di-n-butyl Phthalate	420	UG/KG	U	U	
REG	Di-n-octyl Phthalate	420	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	420	UG/KG	U	U	
REG	Dibenzofuran	420	UG/KG	U	U	
REG	Diethyl Phthalate	420	UG/KG	U	U	
REG	Dimethyl Phthalate	420	UG/KG	U	U	
REG	Fluoranthene	53	UG/KG	J	J	
REG	Fluorene	420	UG/KG	U	U	
REG	Hexachlorobenzene	420	UG/KG	U	U	
REG	Hexachlorobutadiene	420	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	420	UG/KG	U	U	
REG	Hexachloroethane	420	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	420	UG/KG	U	U	
REG	Isophorone	420	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	420	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	420	UG/KG	U	U	
REG	Naphthalene	420	UG/KG	U	U	
REG	Nitrobenzene	420	UG/KG	U	U	
REG	Pentachlorophenol	420	UG/KG	U	U	
REG	Phenanthrene	420	UG/KG	U	U	
REG	Phenol	420	UG/KG	U	U	
REG	Pyrene	48	UG/KG	J	J	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
REG	Total Organic Carbon	9200	MG/KG	=		

Location: BACKGROUND
Station : BKGss-014

BKGss-014(b)-0797-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.62	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
REG	Aluminum	11600	MG/KG	=		
REG	Antimony	0.62	MG/KG	U	UJ	I02
REG	Arsenic	9.1	MG/KG	=		
REG	Barium	64.5	MG/KG	=		
REG	Beryllium	0.52	MG/KG	B	U	F06
REG	Cadmium	0.82	MG/KG	U	U	
REG	Calcium	5060	MG/KG	=		
REG	Chromium	12	MG/KG	=		
REG	Cobalt	5.2	MG/KG	B	J	
REG	Copper	11.9	MG/KG	J	J	E07
REG	Iron	17000	MG/KG	=		
REG	Lead	16.5	MG/KG	J	J	I02
REG	Magnesium	2080	MG/KG	=		
REG	Manganese	318	MG/KG	=		
REG	Mercury	0.029	MG/KG	B	J	
REG	Nickel	12.3	MG/KG	J	J	D05
REG	Potassium	635	MG/KG	=		
REG	Selenium	0.82	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	65.8	MG/KG	B	U	F01,F06
REG	Thallium	0.62	MG/KG	U	UJ	D05
REG	Vanadium	18.4	MG/KG	=		
REG	Zinc	46	MG/KG	J	J	I03

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	410	UG/KG	U	U	
REG	1,2-Dichlorobenzene	410	UG/KG	U	U	
REG	1,3-Dichlorobenzene	410	UG/KG	U	U	
REG	1,4-Dichlorobenzene	410	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	410	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	410	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	410	UG/KG	U	U	
REG	2,4-Dichlorophenol	410	UG/KG	U	U	
REG	2,4-Dimethylphenol	410	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	410	UG/KG	U	U	
REG	2,6-Dinitrotoluene	410	UG/KG	U	U	
REG	2-Chloronaphthalene	410	UG/KG	U	U	
REG	2-Chlorophenol	410	UG/KG	U	U	
REG	2-Methylnaphthalene	410	UG/KG	U	U	
REG	2-Methylphenol	410	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	410	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	410	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	410	UG/KG	U	U	
REG	4-Chloroaniline	410	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	410	UG/KG	U	U	
REG	4-Methylphenol	410	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	410	UG/KG	U	U	
REG	Acenaphthene	410	UG/KG	U	U	
REG	Acenaphthylene	410	UG/KG	U	U	
REG	Anthracene	410	UG/KG	U	U	
REG	Benzo(a)anthracene	58	UG/KG	J	J	
REG	Benzo(a)pyrene	58	UG/KG	J	J	
REG	Benzo(b)fluoranthene	89	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	410	UG/KG	U	U	
REG	Benzo(k)fluoranthene	410	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	410	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	410	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	47	UG/KG	J	J	
REG	Butyl Benzyl Phthalate	410	UG/KG	U	U	
REG	Carbazole	410	UG/KG	U	U	
REG	Chrysene	59	UG/KG	J	J	
REG	Di-n-butyl Phthalate	410	UG/KG	U	U	
REG	Di-n-octyl Phthalate	410	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	410	UG/KG	U	U	
REG	Dibenzofuran	410	UG/KG	U	U	
REG	Diethyl Phthalate	410	UG/KG	U	U	
REG	Dimethyl Phthalate	410	UG/KG	U	U	
REG	Fluoranthene	73	UG/KG	J	J	
REG	Fluorene	410	UG/KG	U	U	
REG	Hexachlorobenzene	410	UG/KG	U	U	
REG	Hexachlorobutadiene	410	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	410	UG/KG	U	U	
REG	Hexachloroethane	410	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	410	UG/KG	U	U	
REG	Isophorone	410	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	410	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	410	UG/KG	U	U	
REG	Naphthalene	410	UG/KG	U	U	
REG	Nitrobenzene	410	UG/KG	U	U	
REG	Pentachlorophenol	410	UG/KG	U	U	
REG	Phenanthrene	410	UG/KG	U	U	
REG	Phenol	410	UG/KG	U	U	
REG	Pyrene	68	UG/KG	J	J	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Total Organic Carbon	16000	MG/KG	=		

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGss-015

BKGss-015(b)-0798-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	2.4	MG/KG	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	21600	MG/KG	=		
REG	Antimony	1	MG/KG	J		102
REG	Arsenic	8.3	MG/KG	=		
REG	Barium	222	MG/KG	J		102
REG	Beryllium	2.5	MG/KG	J		102
REG	Cadmium	0.74	MG/KG	U	U	
REG	Calcium	73300	MG/KG	=		
REG	Chromium	10.5	MG/KG	=		
REG	Cobalt	5.7	MG/KG	B	J	
REG	Copper	15.3	MG/KG	=		
REG	Iron	12400	MG/KG	=		
REG	Lead	35.9	MG/KG	=		
REG	Magnesium	13200	MG/KG	J		103
REG	Manganese	1390	MG/KG	J		D04
REG	Mercury	0.1	MG/KG	B	U	F01,F06
REG	Nickel	10.2	MG/KG	=		
REG	Potassium	1730	MG/KG	=		
REG	Selenium	0.74	MG/KG	U	U	
REG	Silver	1.5	MG/KG	U	U	
REG	Sodium	409	MG/KG	B	J	
REG	Thallium	0.74	MG/KG	U	U	
REG	Vanadium	14.7	MG/KG	=		
REG	Zinc	83.7	MG/KG	J		E07

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	490	UG/KG	U	U	
REG	1,2-Dichlorobenzene	490	UG/KG	U	U	
REG	1,3-Dichlorobenzene	490	UG/KG	U	U	
REG	1,4-Dichlorobenzene	490	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	490	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	490	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	490	UG/KG	U	U	
REG	2,4-Dichlorophenol	490	UG/KG	U	U	
REG	2,4-Dimethylphenol	490	UG/KG	U	U	
REG	2,4-Dinitrophenol	1200	UG/KG	U	U	
REG	2,4-Dinitrotoluene	490	UG/KG	U	U	
REG	2,6-Dinitrotoluene	490	UG/KG	U	U	
REG	2-Chloronaphthalene	490	UG/KG	U	U	
REG	2-Chlorophenol	490	UG/KG	U	U	
REG	2-Methylnaphthalene	490	UG/KG	U	U	
REG	2-Methylphenol	490	UG/KG	U	U	
REG	2-Nitroaniline	1200	UG/KG	U	U	
REG	2-Nitrophenol	490	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	490	UG/KG	U	U	
REG	3-Nitroaniline	1200	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1200	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	490	UG/KG	U	U	
REG	4-Chloroaniline	490	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	490	UG/KG	U	U	
REG	4-Methylphenol	490	UG/KG	U	U	
REG	4-Nitroaniline	1200	UG/KG	U	U	
REG	4-Nitrophenol	1200	UG/KG	U	U	
REG	4-chloro-3-methylphenol	490	UG/KG	U	U	
REG	Acenaphthene	490	UG/KG	U	U	
REG	Acenaphthylene	490	UG/KG	U	U	
REG	Anthracene	490	UG/KG	U	U	
REG	Benzo(a)anthracene	210	UG/KG	J	J	
REG	Benzo(a)pyrene	210	UG/KG	J	J	
REG	Benzo(b)fluoranthene	300	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	130	UG/KG	J	J	
REG	Benzo(k)fluoranthene	110	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	490	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	490	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGss-015

BKGss-015(b)-0798-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Bis(2-ethylhexyl)phthalate	490	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	490	UG/KG	U	U	
REG	Carbazole	490	UG/KG	U	U	
REG	Chrysene	230	UG/KG	J	J	
REG	Di-n-butyl Phthalate	490	UG/KG	U	U	
REG	Di-n-octyl Phthalate	490	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	490	UG/KG	U	U	
REG	Dibenzofuran	490	UG/KG	U	U	
REG	Diethyl Phthalate	490	UG/KG	U	U	
REG	Dimethyl Phthalate	490	UG/KG	U	U	
REG	Fluoranthene	370	UG/KG	J	J	
REG	Fluorene	490	UG/KG	U	U	
REG	Hexachlorobenzene	490	UG/KG	U	U	
REG	Hexachlorobutadiene	490	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	490	UG/KG	U	U	
REG	Hexachloroethane	490	UG/KG	U	U	
REG	indeno(1,2,3-cd)pyrene	150	UG/KG	J	J	
REG	Isophorone	490	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	490	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	490	UG/KG	U	U	
REG	Naphthalene	490	UG/KG	U	U	
REG	Nitrobenzene	490	UG/KG	U	U	
REG	Pentachlorophenol	490	UG/KG	U	U	
REG	Phenanthrene	130	UG/KG	J	J	
REG	Phenol	490	UG/KG	U	U	
REG	Pyrene	300	UG/KG	J	J	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers		Validation Code
REG	Total Organic Carbon	22000	MG/KG	=		

Location: BACKGROUND
Station: BKGsw-001

BKGsw-001(d)-0851-S Field Sample Type: Grab Matrix: Surface Water Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
REG	Aluminum	3370	UG/L		J	101
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	47.5	UG/L	8	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	30800	UG/L		J	E07
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	3.9	UG/L	B	J	
REG	Iron	2070	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	5300	UG/L		=	
REG	Manganese	33.8	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	3170	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	17200	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	42	UG/L		=	

BKGsw-001(d)-0851-FD Field Sample Type: Field Duplicate Matrix: Surface Water Collected: 04/27/98

Ravenna Army Annunition Plant Phase II RI

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	2110	UG/L		J	101
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	44.6	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	31800	UG/L		J	E07
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	6.4	UG/L	B	J	
REG	Iron	1830	UG/L		=	
REG	Lead	2.9	UG/L	B	J	
REG	Magnesium	6360	UG/L		=	
REG	Manganese	32.8	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	3220	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	18700	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	37.5	UG/L		=	

Location: BACKGROUND
Station: BKGsw-002

BKGsw-002(d)-0852-S Field Sample Type: Grab Matrix: Surface Water Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	146	UG/L	B	U	F06
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	4.6	UG/L	B	U	F06
REG	Barium	23.7	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	41400	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	440	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	10800	UG/L		=	
REG	Manganese	249	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	UJ	D05
REG	Potassium	1840	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	21000	UG/L		=	
REG	Thallium	2	UG/L	U	UJ	D05,102
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	20	UG/L	U	U	

Location: BACKGROUND
Station: BKGsw-003

BKGsw-003(d)-0853-S Field Sample Type: Grab Matrix: Surface Water Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

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Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	881	UG/L		=	
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	6.8	UG/L		U	F07
REG	Barium	33.6	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	28400	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	8.5	UG/L	B	U	F01,F06
REG	Iron	1030	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	8780	UG/L		=	
REG	Manganese	139	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	UJ	D05
REG	Potassium	1880	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	21300	UG/L		=	
REG	Thallium	1	UG/L	B	UJ	D05,F06,I02
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	20	UG/L	U	U	

Location: BACKGROUND
Station : BKGsw-004

BKGsw-004(d)-0854-S Field Sample Type: Grab Matrix: Surface Water Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	1870	UG/L		J	I01
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	3.2	UG/L	B	J	
REG	Barium	24.3	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	15900	UG/L		J	E07
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	3.5	UG/L	B	J	
REG	Iron	1240	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	3760	UG/L	B	J	
REG	Manganese	84.7	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1370	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	4770	UG/L	B	J	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	14.6	UG/L	B	J	

Location: BACKGROUND
Station : BKGsw-005

BKGsw-005(d)-0855-S Field Sample Type: Grab Matrix: Surface Water Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	1130	UG/L		J	I01
REG	Antimony	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGsw-005

BKGsw-005(d)-0855-S Field Sample Type: Grab Matrix: Surface Water Collected: 04/27/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	28.4	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	15200	UG/L		J	E07
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	7.9	UG/L	B	J	
REG	Iron	1310	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	3620	UG/L	B	J	
REG	Manganese	83	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1470	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	6650	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	18.8	UG/L	B	J	

Location: BACKGROUND
Station: BKGsw-006

BKGsw-006(d)-0856-S Field Sample Type: Grab Matrix: Surface Water Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	1800	UG/L		J	101
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	29.7	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	16800	UG/L		J	E07
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	7.6	UG/L	B	J	
REG	Iron	2560	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	4130	UG/L	B	J	
REG	Manganese	78.3	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1470	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	8600	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	18.8	UG/L	B	J	

Location: BACKGROUND
Station: BKGsw-007

BKGsw-007(d)-0857-S Field Sample Type: Grab Matrix: Surface Water Collected: 05/08/96

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	192	UG/L	B	R	F06,F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	12.5	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	13500	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	5.8	UG/L	B	U	F01,F06
REG	Iron	985	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	3240	UG/L	B	J	
REG	Manganese	391	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	UJ	D05
REG	Potassium	519	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	1370	UG/L	B	U	F01,F06
REG	Thallium	2	UG/L	U	UJ	I02
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	14.9	UG/L	B,MBE	U	F01,F06

FIELD EXPLOSIVE DATA

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station: BKGsd-001

BKGsd-001(d)-0799-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station: BKGsd-002

BKGsd-002(d)-0800-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station: BKGsd-003

BKGsd-003(d)-0801-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station: BKGsd-004

BKGsd-004(d)-0802-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station: BKGsd-005

BKGsd-005(d)-0803-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station: BKGsd-006

BKGsd-006(d)-0804-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station: BKGsd-007

BKGsd-007(d)-0805-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 05/08/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	2	UG/G		
REG	RDX	1	UG/G	U	

Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGso-004

BKGso-004(b)-0812-SO 2.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

BKGso-004(b)-0813-SO 11.0 - 12.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station : BKGso-005

BKGso-005(b)-0814-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	

BKGso-005(b)-0815-SO 7.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	

Location: BACKGROUND
Station : BKGso-006

BKGso-006(b)-0816-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

BKGso-006(b)-0817-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station : BKGso-008

BKGso-008(b)-0820-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/26/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

BKGso-008(b)-0821-SO 6.0 - 7.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/26/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station : BKGso-010

BKGso-010(b)-0824-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	

Location: BACKGROUND
Station: BKGso-010

BKGso-010(b)-0824-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	RDX		1 UG/G	U	

BKGso-010(b)-0825-SO 3.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station: BKGso-012

BKGso-012(b)-0828-SO 2.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

BKGso-012(b)-0829-SO 11.0 - 12.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station: BKGso-014

BKGso-014(b)-0832-SO 2.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

BKGso-014(b)-0833-SO 7.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station: BKGso-015

BKGso-015(b)-0834-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

BKGso-015(b)-0835-SO 9.0 - 10.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station: BKGso-018

BKGso-018(b)-0818-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
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Ravenna Army Ammunition Plant Phase II RI

Location: BACKGROUND
Station : BKGso-016

BKGso-016(b)-0818-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

BKGso-016(b)-0819-SO 8.5 - 9.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station : BKGso-017

BKGso-017(b)-0828-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

BKGso-017(b)-0827-SO 7.5 - 8.5 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station : BKGso-018

BKGso-018(b)-0806-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station : BKGso-019

BKGso-019(b)-0808-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

BKGso-019(b)-0809-SO 10.0 - 11.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station : BKGso-020

BKGso-020(b)-0810-SO 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

BKGso-020(b)-0811-SO 3.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/07/98

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station : BKGso-021

BKGso-021(b)-0822-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/08/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

BKGso-021(b)-0823-SO 5.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/08/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station : BKGss-001

BKGss-001(b)-0784-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station : BKGss-003

BKGss-003(b)-0786-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station : BKGss-006

BKGss-006(b)-0788-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		4 UG/G		

Location: BACKGROUND
Station : BKGss-007

BKGss-007(b)-0790-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station : BKGss-009

BKGss-009(b)-0792-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: BACKGROUND
Station: BKGss-011

BKGss-011(b)-0794-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station: BKGss-013

BKGss-013(b)-0796-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: BACKGROUND
Station: BKGss-015

BKGss-015(b)-0798-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

APPENDIX F2
WBG SAMPLES

LABORATORY DATA

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : DECON H20

WBGqc-002-0956

Field Sample Type: Other Water Matrix: Quality Control

Collected: 05/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.5	UG/L	J	J	
REG	2,4,6-Trinitrotoluene	1	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.44	UG/L	J	J	
REG	2,6-Dinitrotoluene	0.65	UG/L	U	U	
REG	2-Nitrotoluene	1	UG/L	U	U	
REG	3-Nitrotoluene	1	UG/L	U	U	
REG	4-Nitrotoluene	1	UG/L	U	U	
REG	HMX	2.5	UG/L	U	U	
REG	Nitrobenzene	1	UG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	RDX	2.5	UG/L	U	U	
REG	Tetryl	1	UG/L	U	U	

Sample Type	TCLP Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.026	MG/L	B	J	
REG	Barium	0.087	MG/L	B	U	F06
REG	Cadmium	0.1	MG/L	U	U	
REG	Chromium	0.5	MG/L	U	U	
REG	Lead	0.5	MG/L	U	U	
REG	Mercury	0.002	MG/L	U	U	
REG	Selenium	0.25	MG/L	U	U	
REG	Silver	0.5	MG/L	U	U	

WBGqc-002-0967

Field Sample Type: Other Water Matrix: Quality Control

Collected: 05/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.9	UG/L	J	J	
REG	2,4,6-Trinitrotoluene	1	UG/L	U	U	
REG	2,4-Dinitrotoluene	1.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.65	UG/L	U	U	
REG	2-Nitrotoluene	1	UG/L	U	U	
REG	3-Nitrotoluene	1	UG/L	U	U	
REG	4-Nitrotoluene	1	UG/L	U	U	
REG	HMX	2.5	UG/L	U	U	
REG	Nitrobenzene	1	UG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	RDX	2.5	UG/L	U	U	
REG	Tetryl	1	UG/L	U	U	

Sample Type	TCLP Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.022	MG/L	B	J	
REG	Barium	0.041	MG/L	B	U	F06
REG	Cadmium	0.1	MG/L	U	U	
REG	Chromium	0.5	MG/L	U	U	
REG	Lead	0.5	MG/L	U	U	
REG	Mercury	0.002	MG/L	U	U	
REG	Selenium	0.25	MG/L	U	U	
REG	Silver	0.5	MG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : NEWTON Source Water

WB0896

Field Sample Type: Source Water Blank Matrix: Quality Control

Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	208	UG/L		R	F07,F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	25.8	UG/L	B	J	
REG	Beryllium	1.3	UG/L	B	U	F01,F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	41100	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	12.2	UG/L	B	U	F01,F06
REG	Iron	100	UG/L	U	U	
REG	Lead	2.3	UG/L	B	J	
REG	Magnesium	11300	UG/L		=	
REG	Manganese	8.3	UG/L	B	J	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	UJ	D05
REG	Potassium	4040	UG/L	B L	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	31900	UG/L		=	
REG	Thallium	2	UG/L	U	UJ	I02
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	243	UG/L	MBD	=	

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	143	UG/L	B	R	F06,F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	25	UG/L	B	J	
REG	Beryllium	0.86	UG/L	B	U	F01,F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	40900	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	10.7	UG/L	B	U	F01,F06
REG	Iron	158	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	11200	UG/L		=	
REG	Manganese	5.2	UG/L	B	J	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	UJ	D05
REG	Potassium	4110	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	32800	UG/L		=	
REG	Thallium	2	UG/L	U	UJ	I02
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	237	UG/L	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.094	UG/L	J	J	
REG	2,4-Dinitrotoluene	0.13	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.17	UG/L		=	
REG	2-Nitrotoluene	.20	UG/L	J	U	F01,F06
REG	3-Nitrotoluene	0.2	UG/L	U	U	
REG	4-Nitrotoluene	0.12	UG/L	J	J	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.05	UG/L	U	U	
REG	4,4'-DDE	0.05	UG/L	U	U	
REG	4,4'-DDT	0.05	UG/L	U	U	
REG	Aldrin	0.025	UG/L	U	U	
REG	Alpha Chlordane	0.025	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : NEWTON Source Water

WB0896

Field Sample Type: Source Water Blank

Matrix: Quality Control

Collected: 05/07/98

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Alpha-BHC	0.025	UG/L	U	U	
REG	Aroclor-1016	0.25	UG/L	U	U	
REG	Aroclor-1221	0.25	UG/L	U	U	
REG	Aroclor-1232	0.25	UG/L	U	U	
REG	Aroclor-1242	0.25	UG/L	U	U	
REG	Aroclor-1248	0.25	UG/L	U	U	
REG	Aroclor-1254	0.5	UG/L	U	U	
REG	Aroclor-1260	0.5	UG/L	U	U	
REG	Beta-BHC	0.025	UG/L	U	U	
REG	Delta-BHC	0.025	UG/L	U	U	
REG	Dieldrin	0.05	UG/L	U	U	
REG	Endosulfan I	0.025	UG/L	U	U	
REG	Endosulfan II	0.05	UG/L	U	U	
REG	Endosulfan Sulfate	0.05	UG/L	U	U	
REG	Endrin	0.05	UG/L	U	U	
REG	Endrin Aldehyde	0.05	UG/L	U	U	
REG	Endrin Ketone	0.05	UG/L	U	U	
REG	Gamma Chlordane	0.025	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.025	UG/L	U	U	
REG	Heptachlor	0.025	UG/L	U	U	
REG	Heptachlor Epoxide	0.025	UG/L	U	U	
REG	Methoxychlor	0.25	UG/L	U	U	
REG	Toxaphene	1.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
DIL	1,2,4-Trichlorobenzene	25	UG/L	U	U	
DIL	1,2-Dichlorobenzene	25	UG/L	U	U	
DIL	1,3-Dichlorobenzene	25	UG/L	U	U	
DIL	1,4-Dichlorobenzene	25	UG/L	U	U	
DIL	2,2'-oxybis (1-chloropropane)	25	UG/L	U	U	
DIL	2,4,5-Trichlorophenol	25	UG/L	U	U	
DIL	2,4,6-Trichlorophenol	25	UG/L	U	U	
DIL	2,4-Dichlorophenol	25	UG/L	U	U	
DIL	2,4-Dimethylphenol	25	UG/L	U	U	
DIL	2,4-Dinitrophenol	62	UG/L	U	U	
DIL	2,4-Dinitrotoluene	25	UG/L	U	U	
DIL	2,6-Dinitrotoluene	25	UG/L	U	U	
DIL	2-Chloronaphthalene	25	UG/L	U	U	
DIL	2-Chlorophenol	25	UG/L	U	U	
DIL	2-Methylnaphthalene	25	UG/L	U	U	
DIL	2-Methylphenol	25	UG/L	U	U	
DIL	2-Nitroaniline	62	UG/L	U	U	
DIL	2-Nitrophenol	25	UG/L	U	U	
DIL	3,3'-Dichlorobenzidine	25	UG/L	U	U	
DIL	3-Nitroaniline	62	UG/L	U	U	
DIL	4,6-Dinitro-o-Cresol	62	UG/L	U	U	
DIL	4-Bromophenyl-phenyl Ether	25	UG/L	U	U	
DIL	4-Chloroaniline	25	UG/L	U	U	
DIL	4-Chlorophenyl-phenylether	25	UG/L	U	U	
DIL	4-Methylphenol	25	UG/L	U	U	
DIL	4-Nitroaniline	62	UG/L	U	U	
DIL	4-Nitrophenol	62	UG/L	U	U	
DIL	4-chloro-3-methylphenol	25	UG/L	U	U	
DIL	Acenaphthene	25	UG/L	U	U	
DIL	Acenaphthylene	25	UG/L	U	U	
DIL	Anthracene	25	UG/L	U	U	
DIL	Benzo(a)anthracene	25	UG/L	U	U	
DIL	Benzo(a)pyrene	25	UG/L	U	U	
DIL	Benzo(b)fluoranthene	25	UG/L	U	U	
DIL	Benzo(g,h,i)perylene	25	UG/L	U	U	
DIL	Benzo(k)fluoranthene	25	UG/L	U	U	
DIL	Bis(2-chloroethoxy)methane	25	UG/L	U	U	
DIL	Bis(2-chloroethyl)ether	25	UG/L	U	U	
DIL	Bis(2-ethylhexyl)phthalate	25	UG/L	U	U	
DIL	Butyl Benzyl Phthalate	25	UG/L	U	U	
DIL	Carbazole	25	UG/L	U	U	
DIL	Chrysene	25	UG/L	U	U	
DIL	Di-n-butyl Phthalate	25	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : NEWTON Source Water

WB0896

Field Sample Type: Source Water Blank

Matrix: Quality Control

Collected: 05/07/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
DIL	Di-n-octyl Phthalate	25	UG/L	U	U	
DIL	Dibenzo(a,h)anthracene	25	UG/L	U	U	
DIL	Dibenzofuran	25	UG/L	U	U	
DIL	Diethyl Phthalate	150	UG/L	D	=	
DIL	Dimethyl Phthalate	25	UG/L	U	U	
DIL	Fluoranthene	25	UG/L	U	U	
DIL	Fluorene	25	UG/L	U	U	
DIL	Hexachlorobenzene	25	UG/L	U	U	
DIL	Hexachlorobutadiene	25	UG/L	U	U	
DIL	Hexachlorocyclopentadiene	25	UG/L	U	U	
DIL	Hexachloroethane	25	UG/L	U	U	
DIL	Indeno(1,2,3-cd)pyrene	25	UG/L	U	U	
DIL	Isophorone	25	UG/L	U	U	
DIL	N-Nitroso-di-n-propylamine	25	UG/L	U	U	
DIL	N-Nitrosodiphenylamine	25	UG/L	U	U	
DIL	Naphthalene	25	UG/L	U	U	
DIL	Nitrobenzene	25	UG/L	U	U	
DIL	Pentachlorophenol	25	UG/L	U	U	
DIL	Phenanthrene	25	UG/L	U	U	
DIL	Phenol	25	UG/L	U	U	
DIL	Pyrene	25	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	1,2,4-Trichlorobenzene	25	UG/L	U	UJ	A03
REA	1,2-Dichlorobenzene	25	UG/L	U	UJ	A03
REA	1,3-Dichlorobenzene	25	UG/L	U	UJ	A03
REA	1,4-Dichlorobenzene	25	UG/L	U	UJ	A03
REA	2,2'-oxybis (1-chloropropane)	25	UG/L	U	UJ	A03
REA	2,4,5-Trichlorophenol	25	UG/L	U	UJ	A03
REA	2,4,6-Trichlorophenol	25	UG/L	U	UJ	A03
REA	2,4-Dichlorophenol	25	UG/L	U	UJ	A03
REA	2,4-Dimethylphenol	25	UG/L	U	UJ	A03
REA	2,4-Dinitrophenol	62	UG/L	U	UJ	A03
REA	2,4-Dinitrotoluene	25	UG/L	U	UJ	A03
REA	2,6-Dinitrotoluene	25	UG/L	U	UJ	A03
REA	2-Chloronaphthalene	25	UG/L	U	UJ	A03
REA	2-Chlorophenol	25	UG/L	U	UJ	A03
REA	2-Methylnaphthalene	25	UG/L	U	UJ	A03
REA	2-Methylphenol	25	UG/L	U	UJ	A03
REA	2-Nitroaniline	62	UG/L	U	UJ	A03
REA	2-Nitrophenol	25	UG/L	U	UJ	A03
REA	3,3'-Dichlorobenzidine	25	UG/L	U	J	A03
REA	3-Nitroaniline	62	UG/L	U	UJ	A03
REA	4,6-Dinitro-o-Cresol	62	UG/L	U	J	A03
REA	4-Bromophenyl-phenyl Ether	25	UG/L	U	J	A03
REA	4-Chloroaniline	25	UG/L	U	UJ	A03
REA	4-Chlorophenyl-phenylether	25	UG/L	U	J	A03
REA	4-Methylphenol	25	UG/L	U	UJ	A03
REA	4-Nitroaniline	62	UG/L	U	J	A03
REA	4-Nitrophenol	62	UG/L	U	UJ	A03
REA	4-chloro-3-methylphenol	25	UG/L	U	UJ	A03
REA	Acenaphthene	25	UG/L	U	UJ	A03
REA	Acenaphthylene	25	UG/L	U	UJ	A03
REA	Anthracene	25	UG/L	U	J	A03
REA	Benzo(a)anthracene	25	UG/L	U	J	A03
REA	Benzo(a)pyrene	25	UG/L	U	J	A03
REA	Benzo(b)fluoranthene	25	UG/L	U	J	A03
REA	Benzo(g,h,i)perylene	25	UG/L	U	J	A03
REA	Benzo(k)fluoranthene	25	UG/L	U	J	A03
REA	Bis(2-chloroethoxy)methane	25	UG/L	U	UJ	A03
REA	Bis(2-chloroethyl)ether	25	UG/L	U	UJ	A03
REA	Bis(2-ethylhexyl)phthalate	25	UG/L	U	J	A03
REA	Butyl Benzyl Phthalate	25	UG/L	U	J	A03
REA	Carbazole	25	UG/L	U	J	A03
REA	Chrysene	25	UG/L	U	J	A03
REA	Di-n-butyl Phthalate	25	UG/L	U	J	A03
REA	Di-n-octyl Phthalate	25	UG/L	U	J	A03
REA	Dibenzo(a,h)anthracene	25	UG/L	U	J	A03

Location: WINKLEPECK BURNING GROUND
 Station : NEWTON Source Water

WB0896

Field Sample Type: Source Water Blank

Matrix: Quality Control

Collected: 05/07/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	Dibenzofuran	25	UG/L	U	UJ	A03
REA	Diethyl Phthalate	140	UG/L		J	A03
REA	Dimethyl Phthalate	25	UG/L	U	UJ	A03
REA	Fluoranthene	25	UG/L	U	J	A03
REA	Fluorene	25	UG/L	U	J	A03
REA	Hexachlorobenzene	25	UG/L	U	J	A03
REA	Hexachlorobutadiene	25	UG/L	U	UJ	A03
REA	Hexachlorocyclopentadiene	25	UG/L	U	UJ	A03
REA	Hexachloroethane	25	UG/L	U	UJ	A03
REA	Indeno(1,2,3-cd)pyrene	25	UG/L	U	J	A03
REA	Isophorone	25	UG/L	U	UJ	A03
REA	N-Nitroso-di-n-propylamine	25	UG/L	U	UJ	A03
REA	N-Nitrosodiphenylamine	25	UG/L	U	J	A03
REA	Naphthalene	25	UG/L	U	UJ	A03
REA	Nitrobenzene	25	UG/L	U	UJ	A03
REA	Pentachlorophenol	25	UG/L	U	J	A03
REA	Phenanthrene	25	UG/L	U	J	A03
REA	Phenol	25	UG/L	U	UJ	A03
REA	Pyrene	25	UG/L	U	J	A03

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	150	UG/L	D	=	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : NEWTON Source Water

WB0886

Field Sample Type: Source Water Blank

Matrix: Quality Control

Collected: 05/07/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	8.9	UG/L	J	J	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	12	UG/L		=	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	35	UG/L		=	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : OBG-1 Existing Well - 1

Northing: 562447.16
 Easting: 2368880.70
 Elevation:

WBGmw-164(u)-0779-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	4480	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	8.3	UG/L		U	F07
REG	Barium	28.4	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	53200	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	13.4	UG/L	B	U	F01,F06
REG	Iron	9160	UG/L		=	
REG	Lead	3.8	UG/L		=	
REG	Magnesium	17000	UG/L		=	
REG	Manganese	94.4	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	2050	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	6340	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	7.2	UG/L	B	J	
REG	Zinc	62.9	UG/L		U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	6	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	7.6	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	54000	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	16500	UG/L		=	
REG	Manganese	15	UG/L	U	U	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	777	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	5050	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	46.2	UG/L		U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.2	UG/L	J	U	F01, F06
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.041	UG/L	J	J	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.2	UG/L	U	U	
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.2	MG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	U	
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: OBG-1 Existing Well - 1

Northing: 562447.16
 Easting: 2358660.70
 Elevation:

WBGmw-164(u)-0779-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-1 Existing Well - 1

Northing: 562447.16
 Easting: 2358860.70
 Elevation:

WBGmw-164(u)-0779-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	U	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

OBGmw-001-0954-TB

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 05/21/98

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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5.0	UG/L	JB	U	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-2 Existing Well - 2

Northing: 562364.55
 Easting: 2358795.76
 Elevation:

WBGmw-165(u)-0780-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	16800	UG/L		=	
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	32.6	UG/L		=	
REG	Barium	120	UG/L	B	J	
REG	Beryllium	0.86	UG/L	B	U	F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	88200	UG/L		=	
REG	Chromium	25	UG/L		=	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	39.3	UG/L		=	
REG	Iron	42500	UG/L		=	
REG	Lead	20.5	UG/L		=	
REG	Magnesium	29300	UG/L		=	
REG	Manganese	821	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	44.4	UG/L		=	
REG	Potassium	5200	UG/L		=	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	10700	UG/L		=	
REG	Thallium	1.2	UG/L	B	U	F01,F08
REG	Vanadium	26.6	UG/L	B	J	
REG	Zinc	563	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	41.3	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	72600	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	100	UG/L	U	U	
REG	Lead	3.1	UG/L		=	
REG	Magnesium	20500	UG/L		=	
REG	Manganese	173	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1280	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	8050	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	58.8	UG/L		U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.2	UG/L	J	U	F01, F06
REG	1,3-Dinitrobenzene	0.034	UG/L	J	J	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.13	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.2	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-2 Existing Well - 2

Northing: 562364.55
 Easting: 2358795.76
 Elevation:

WBGmw-185(u)-0780-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.2	MG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	U	
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-2 Existing Well - 2

Northing: 562364.55
 Easting: 2358795.76
 Elevation:

WBGmw-165(u)-0780-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Naphthalena	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropane	5	UG/L	U	U	
REG	1,3-trans-Dichloropropane	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethane	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : OBG-3 Existing Well - 3

Northing: 562297.23
 Easting: 2358795.76
 Elevation:

WBGmw-166(u)-0781-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 06/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2850	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	17.8	UG/L		=	
REG	Barium	121	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	61800	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-3 Exsting Well - 3

Northing: 562297.23
 Easting: 2358795.76
 Elevation:

WBGmw-166(u)-0781-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Copper	7.9	UG/L	B	U	F01,F06
REG	Iron	6620	UG/L		=	
REG	Lead	3.5	UG/L		=	
REG	Magnesium	17300	UG/L		=	
REG	Manganese	178	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1890	UG/L	B	J	
REG	Selenium	6	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	8090	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	75.4	UG/L		U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	85.2	UG/L	B	R	F06,F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5.2	UG/L		U	F07
REG	Barium	98.1	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	59500	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	182	UG/L		U	F01,F07
REG	Lead	3	UG/L	U	U	
REG	Magnesium	18100	UG/L		=	
REG	Manganese	112	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	942	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	6800	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	42.1	UG/L		U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.13	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.2	UG/L	U	U	
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.2	MG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	U	
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-3 Existing Well - 3

Northing: 682297.23
 Easting: 2358795.78
 Elevation:

WBGmw-166(u)-0781-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-3 Existing Well - 3

Northing: 562297.23
 Easting: 2358795.76
 Elevation:

WBGmw-166(u)-0781-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : OBG-4 Existing Well - 4

Northing: 682293.20
 Easting: 2358712.88
 Elevation:

WBGmw-167(u)-0782-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	
Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	3920	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	27.4	UG/L		=	
REG	Barium	72.5	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	121000	UG/L		=	
REG	Chromium	8.8	UG/L	B	J	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	16.7	UG/L	B	U	F01,F06
REG	Iron	12600	UG/L		=	
REG	Lead	6.1	UG/L		=	
REG	Magnesium	37100	UG/L		=	
REG	Manganese	952	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	2830	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	16200	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	135	UG/L		U	F01,F07
Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	R	F10

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-4 Existing Well - 4

Northing: 562293.20
 Easting: 2368712.98
 Elevation:

WBGmw-167(u)-0782-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5.4	UG/L	U	U	F07
REG	Barium	50.1	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	115000	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	58.7	UG/L	B	U	F01,F06
REG	Lead	3	UG/L	U	U	
REG	Magnesium	34200	UG/L		=	
REG	Manganese	351	UG/L		=	
REG	Mercury	0.08	UG/L	B	J	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	2150	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	15800	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	37.3	UG/L		U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.044	UG/L	J	J	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.2	UG/L	U	U	
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.2	MG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	U	
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-4 Existing Well - 4

Northing: 662293.20
 Easting: 2358712.88
 Elevation:

WBGmw-167(u)-0782-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	U	F01, F06

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : OBG-4 Existing Well - 4

Northing: 562293.20
 Easting: 2358712.98
 Elevation:

WBGmw-167(u)-0782-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/21/98

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : SLUDGE

WBGqc-001-0955

Field Sample Type: Other Solid Matrix: Quality Control

Collected: 05/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.11	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.85	MG/KG	U	U	

Sample Type	TCLP Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.5	MG/L	U	U	
REG	Barium	0.68	MG/L	B	U	F06
REG	Cadmium	0.007	MG/L	B	J	
REG	Chromium	0.0076	MG/L	B	J	
REG	Lead	0.5	MG/L	U	U	
REG	Mercury	0.002	MG/L	U	U	
REG	Selenium	0.25	MG/L	U	U	
REG	Silver	0.5	MG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : SOURCE ASTM DI Water

WB0895

Field Sample Type: Source Water Blank

Matrix: Quality Control

Collected: 04/29/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	U	101
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	200	UG/L	U	U	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	5000	UG/L	U	U	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	5000	UG/L	U	U	
REG	Manganese	15	UG/L	U	U	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	5000	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : SOURCE ASTM DI Water

WB0895

Field Sample Type: Source Water Blank

Matrix: Quality Control

Collected: 04/29/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	5000	UG/L	U	U	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	13.4	UG/L	B	J	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	UJ	P01
REG	1,3-Dinitrobenzene	0.2	UG/L	U	UJ	P01
REG	2,4,6-Trinitrotoluene	0.064	UG/L	J	J	P01
REG	2,4-Dinitrotoluene	0.13	UG/L	U	UJ	P01
REG	2,6-Dinitrotoluene	0.13	UG/L	U	UJ	P01
REG	2-Nitrotoluene	0.2	UG/L	U	UJ	P01
REG	3-Nitrotoluene	0.2	UG/L	U	UJ	P01
REG	4-Nitrotoluene	0.2	UG/L	U	UJ	P01
REG	HMX	0.13	UG/L	J	J	P01
REG	Nitrobenzene	0.2	UG/L	U	UJ	P01
REG	Nitroglycerin	2.5	UG/L	U	UJ	P01
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	UJ	P01

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.05	UG/L	U	U	
REG	4,4'-DDE	0.05	UG/L	U	U	
REG	4,4'-DDT	0.05	UG/L	U	U	
REG	Aldrin	0.025	UG/L	U	U	
REG	Alpha Chlordane	0.025	UG/L	U	U	
REG	Alpha-BHC	0.025	UG/L	U	U	
REG	Aroclor-1016	0.25	UG/L	U	U	
REG	Aroclor-1221	0.25	UG/L	U	U	
REG	Aroclor-1232	0.25	UG/L	U	U	
REG	Aroclor-1242	0.25	UG/L	U	U	
REG	Aroclor-1248	0.25	UG/L	U	U	
REG	Aroclor-1254	0.5	UG/L	U	U	
REG	Aroclor-1260	0.5	UG/L	U	U	
REG	Beta-BHC	0.025	UG/L	U	U	
REG	Delta-BHC	0.025	UG/L	U	U	
REG	Dieldrin	0.05	UG/L	U	U	
REG	Endosulfan I	0.025	UG/L	U	U	
REG	Endosulfan II	0.05	UG/L	U	U	
REG	Endosulfan Sulfate	0.05	UG/L	U	U	
REG	Endrin	0.05	UG/L	U	U	
REG	Endrin Aldehyde	0.05	UG/L	U	U	
REG	Endrin Ketone	0.05	UG/L	U	U	
REG	Gamma Chlordane	0.025	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.025	UG/L	U	U	
REG	Heptachlor	0.025	UG/L	U	U	
REG	Heptachlor Epoxide	0.025	UG/L	U	U	
REG	Methoxychlor	0.25	UG/L	U	U	
REG	Toxaphene	1.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : SOURCE ASTM DI Water

WB0895

Field Sample Type: Source Water Blank

Matrix: Quality Control

Collected: 04/29/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	J		C05

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : SOURCE ASTM DI Water

WB0895

Field Sample Type: Source Water Blank

Matrix: Quality Control

Collected: 04/29/98

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	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : TRIP BLNK TRIP BLANK

WBGsw-167(p)-0903-T

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 04/27/98

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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

WBGss-184-0939-TB

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 05/07/98

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	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : TRIP BLNK TRIP BLANK

WBGss-184-0939-TB

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 05/07/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-005 Monitoring Well - 005

Northing: 563037.18
 Easting: 2357163.55
 Elevation: 1052.20

WBGmw-159(u)-0774-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	463	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	4.1	UG/L	B	J	
REG	Barium	86	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	110000	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	7.5	UG/L	B	J	F10
REG	Iron	1250	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	24800	UG/L		=	
REG	Manganese	1120	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	3930	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	47500	UG/L		=	
REG	Thallium	1.4	UG/L	B	U	F06
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	64.4	UG/L	MBO	U	F01,F07

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	81.1	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	118000	UG/L	=	=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	9.8	UG/L	B	J	F10
REG	Iron	155	UG/L	=	=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	27800	UG/L	=	=	
REG	Manganese	848	UG/L	=	=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	3250	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	35800	UG/L	=	=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	32.7	UG/L	MBD	U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.13	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.076	UG/L	J	J	
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.2	MG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	U	
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-005 Monitoring Well - 005

Northing: 563037.18
 Easting: 2357163.55
 Elevation: 1052.20

WBGmw-159(u)-0774-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	1.7	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5.0	UG/L	U	U	F01,F06
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-005 Monitoring Well - 005

Northing: 563037.18
 Easting: 2357163.55
 Elevation: 1062.20

WBGmw-159(u)-0774-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-006 Monitoring Well - 006

Northing: 563008.87
 Easting: 2359087.79
 Elevation: 1012.16

WBGmw-160(u)-0776-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	3020	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	9.9	UG/L		=	
REG	Barium	39.3	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	59000	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	15.6	UG/L	B	J	F10
REG	Iron	8380	UG/L		=	
REG	Lead	5.8	UG/L		=	
REG	Magnesium	19500	UG/L		=	
REG	Manganese	121	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1810	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	7440	UG/L		=	
REG	Thallium	1	UG/L	B	U	F06
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	76.3	UG/L	MBD	U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	22.4	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	63500	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	R	F10
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	20500	UG/L		=	
REG	Manganese	58	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1030	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	6570	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGmw-006 Monitoring Well - 006

Northing: 563008.87
 Easting: 2359087.79
 Elevation: 1012.16

WBGmw-160(u)-0775-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Zinc	28.3	UG/L	MDD	U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.13	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.11	UG/L	J	J	
REG	4-Nitrotoluene	0.15	UG/L	J	J	
REG	HMX	8	UG/L		=	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.2	MG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	U	
REG	RDX	32	UG/L		=	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	4.5	UG/L	J	J	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-006 Monitoring Well - 006

Northing: 563008.87
 Easting: 2358087.79
 Elevation: 1012.16

WBGmw-160(u)-0775-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5.0	UG/L	U	U	F01,F08
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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-007 Monitoring Well - 007

Northing: 562479.87
 Easting: 2380420.44
 Elevation: 998.09

WBGmw-161(u)-0776-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	25200	UG/L		=	
REG	Antimony	5	UG/L	U	UJ	I02
REG	Arsenic	96	UG/L		=	
REG	Barium	169	UG/L	B	J	
REG	Beryllium	1.5	UG/L	B	U	F06
REG	Cadmium	6	UG/L	U	U	
REG	Calcium	62200	UG/L		=	
REG	Chromium	45	UG/L		=	
REG	Cobalt	36.8	UG/L	B	J	
REG	Copper	79.4	UG/L		=	
REG	Iron	84500	UG/L		=	
REG	Lead	48.7	UG/L		=	
REG	Magnesium	21000	UG/L		=	
REG	Manganese	1920	UG/L		=	
REG	Mercury	0.1	UG/L	B	J	
REG	Nickel	90.7	UG/L		=	
REG	Potassium	6350	UG/L		=	
REG	Selenium	4.9	UG/L	B	J	
REG	Silver	10	UG/L	U	U	
REG	Sodium	4470	UG/L	B	J	
REG	Thallium	1.6	UG/L	B	J	
REG	Vanadium	45.3	UG/L	B	J	
REG	Zinc	651	UG/L		J	I02,E07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	13.1	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	46500	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	121	UG/L		U	F07
REG	Lead	3	UG/L	U	U	
REG	Magnesium	10300	UG/L		=	
REG	Manganese	77.9	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1010	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	3060	UG/L	B	J	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	45.6	UG/L		J	I01,E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.033	UG/L	J	J	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.2	UG/L	U	U	
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.20	MG/L	U	UJ	A01
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	UJ	A01
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	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	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGmw-007 Monitoring Well - 007

Northing: 562479.87
 Easting: 2360420.44
 Elevation: 998.09

WBGmw-161(u)-0778-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	U	
REG	Tetrachloroethane	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

WBGmw-161(u)-0944-F

Field Sample Type: Field Duplicate Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	30500	UG/L		=	
REG	Antimony	5	UG/L	U	UJ	102
REG	Arsenic	92.5	UG/L		=	
REG	Barium	195	UG/L	B	J	
REG	Beryllium	1.8	UG/L	B	U	F06
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	66000	UG/L		=	
REG	Chromium	51.6	UG/L		=	
REG	Cobalt	37.5	UG/L	B	J	
REG	Copper	86.2	UG/L		=	
REG	Iron	85800	UG/L		=	
REG	Lead	48.1	UG/L		=	
REG	Magnesium	22600	UG/L		=	
REG	Manganese	2030	UG/L		=	
REG	Mercury	0.087	UG/L	B	J	
REG	Nickel	96.3	UG/L		=	
REG	Potassium	8220	UG/L		=	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	4970	UG/L	B	J	
REG	Thallium	1.5	UG/L	B	J	
REG	Vanadium	53.1	UG/L		=	
REG	Zinc	471	UG/L	L	J	102,E07

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	4.8	UG/L	B	U	F06
REG	Barium	14.7	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	48200	UG/L	=		
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	134	UG/L	=		
REG	Lead	3	UG/L	U	U	
REG	Magnesium	10800	UG/L	=		
REG	Manganese	80.4	UG/L	=		
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1130	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	3310	UG/L	B	J	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	158	UG/L		J	I01,E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.13	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.2	UG/L	U	U	
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.20	MG/L	U	UJ	A01
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	UJ	A01
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	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	U	
REG	Tetrachloroethane	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-007 Monitoring Well - 007

Northing: 562479.87
 Easting: 2360420.44
 Elevation: 998.09

WBGmw-161(u)-0944-F

Field Sample Type: Field Duplicate

Matrix: Monitoring Well

Collected: 05/19/98

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-008 Monitoring Well - 008

Northing: 562010.35
 Easting: 2359700.57
 Elevation: 1005.71

WBGmw-162(u)-0777-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 06/20/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13500	UG/L		=	
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	31.7	UG/L		=	
REG	Barium	99.9	UG/L	B	=	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	82200	UG/L		=	
REG	Chromium	21.2	UG/L		=	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	43.1	UG/L		J	F10
REG	Iron	31400	UG/L		=	
REG	Lead	19.5	UG/L		=	
REG	Magnesium	24300	UG/L		=	
REG	Manganese	3070	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	32.3	UG/L	B	J	
REG	Potassium	5360	UG/L		J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	13900	UG/L		=	
REG	Thallium	1.1	UG/L	B	U	F06
REG	Vanadium	24.4	UG/L	B	J	
REG	Zinc	142	UG/L	MBD	J	E07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	35.4	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	85300	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	R	F10
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	22300	UG/L		=	
REG	Manganese	2920	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	1790	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	13400	UG/L		=	
REG	Thallium	2	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-008 Monitoring Well - 008

Northing: 562010.35
 Easting: 2359700.57
 Elevation: 1005.71

WBGmw-162(u)-0777-G

Field Sample Type: Grab

Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	16.9	UG/L	BMBE	U	F01,F06

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.13	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.2	UG/L	U	U	
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.2	UG/L	U	U	
REG	Nitrocellulose as N	0.2	MG/L	U	U	
REG	Nitroglycenn	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	U	
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methyl/naphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-008 Monitoring Well - 008

Northing: 562010.35
 Easting: 2359700.57
 Elevation: 1005.71

WBGmw-162(u)-0777-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	0.64	UG/L	J	J	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-009 Monitoring Well - 009

Northing: 561603.54
 Easting: 2357159.20
 Elevation: 1045.03

WBGmw-163(u)-0778-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.019	MG/L	=	=	

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	5880	UG/L		J	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	6.3	UG/L		=	
REG	Barium	49.9	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	50400	UG/L		=	
REG	Chromium	10.2	UG/L		=	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	17.2	UG/L	B	J	F10
REG	Iron	15000	UG/L		=	
REG	Lead	9.3	UG/L		=	
REG	Magnesium	17000	UG/L		=	
REG	Manganese	669	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	20	UG/L	B	J	
REG	Potassium	3550	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	6960	UG/L		=	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	10	UG/L	B	J	
REG	Zinc	80.6	UG/L	MBD	U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	200	UG/L	U	R	F10
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	22.8	UG/L	B	U	F01,F06
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	50000	UG/L		=	
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	3.3	UG/L	B	J	F10
REG	Iron	100	UG/L	U	U	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	15200	UG/L		=	
REG	Manganese	397	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	2120	UG/L	B	J	E07
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	5710	UG/L		U	F01,F07
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	22.3	UG/L	MBD	U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.2	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.13	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.13	UG/L	U	U	
REG	2-Nitrotoluene	0.2	UG/L	U	U	
REG	3-Nitrotoluene	0.2	UG/L	U	U	
REG	4-Nitrotoluene	0.2	UG/L	U	U	
REG	HMX	0.5	UG/L	U	U	
REG	Nitrobenzene	0.059	UG/L	J	J	
REG	Nitrocellulose as N	0.2	MG/L	U	U	
REG	Nitroglycerin	2.5	UG/L	U	U	
REG	Nitroguanidine	20	UG/L	U	U	
REG	RDX	1.1	UG/L		=	
REG	Tetryl	0.2	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-009 Monitoring Well - 009

Northing: 561603.54
 Easting: 2357159.20
 Elevation: 1045.03

WBGmw-163(u)-0778-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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	1,1,1,2,2-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	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGmw-009 Monitoring Well - 009

Northing: 661603.54
 Easting: 2357159.20
 Elevation: 1045.03

WBGmw-163(u)-0778-G

Field Sample Type: Grab Matrix: Monitoring Well

Collected: 05/20/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	6	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	1.1	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5.0	UG/L	U	U	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

WBGmw-009-0952-TB

Field Sample Type: Field Duplicate Matrix: Quality Control

Collected: 05/20/98

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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5.0	UG/L	U	U	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Ravenna Army Annuntion Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-155(d) SEDIMENT-1 SE drainage - 300 ft from WBGsd-

Northing: 561148.90
 Easting: 2355471.82
 Elevation:

WBGsd-155(d)-0744-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	1.9	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	17900	MG/KG		=	
REG	Antimony	1.9	MG/KG	U	UJ	102
REG	Arsenic	8.6	MG/KG		=	
REG	Barium	182	MG/KG		=	
REG	Beryllium	0.91	MG/KG	B	U	F06
REG	Cadmium	1.9	MG/KG	U	U	
REG	Calcium	1900	MG/KG		=	
REG	Chromium	21.3	MG/KG		=	
REG	Cobalt	8.7	MG/KG	B	J	
REG	Copper	49.1	MG/KG		=	
REG	Iron	21000	MG/KG		=	
REG	Lead	40.1	MG/KG		=	
REG	Magnesium	2630	MG/KG		=	
REG	Manganese	782	MG/KG	J		101
REG	Mercury	0.16	MG/KG	B	J	
REG	Nickel	24.7	MG/KG		=	
REG	Potassium	1580	MG/KG	B	J	
REG	Selenium	1.9	MG/KG	U	U	
REG	Silver	3.7	MG/KG	U	U	
REG	Sodium	107	MG/KG	B	J	
REG	Thallium	1.9	MG/KG	U	U	
REG	Vanadium	29.2	MG/KG		=	
REG	Zinc	166	MG/KG	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.15	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.044	MG/KG	J	J	
REG	2,4,6-Trinitrotoluene	0.094	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-156(d) SEDIMENT-2 E drainage - colocate with WBGsd

Northing: 562824.61
 Easting: 2360432.44
 Elevation:

WBGsd-156(d)-0745-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.81	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	7310	MG/KG		=	
REG	Antimony	0.81	MG/KG	U	UJ	102
REG	Arsenic	7.7	MG/KG		=	
REG	Barium	144	MG/KG		=	
REG	Beryllium	0.33	MG/KG	B	U	F06
REG	Cadmium	0.81	MG/KG	U	U	
REG	Calcium	3910	MG/KG		=	
REG	Chromium	9.3	MG/KG		=	
REG	Cobalt	5.7	MG/KG	B	J	
REG	Copper	13.2	MG/KG		=	
REG	Iron	13900	MG/KG		=	
REG	Lead	15.5	MG/KG		=	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGsd-156(d) SEDIMENT-2 E drainage - colocate with WBGsd

Northing: 562924.61
 Easting: 2380432.44
 Elevation:

WBGsd-156(d)-0745-SD 0.0 - 0.5 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 04/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Magnesium	1650	MG/KG	=		
REG	Manganese	396	MG/KG	J		101
REG	Mercury	0.16	MG/KG	U	U	
REG	Nickel	10.1	MG/KG	=		
REG	Potassium	684	MG/KG	B	J	
REG	Selenium	0.81	MG/KG	U	U	
REG	Silver	1.6	MG/KG	U	U	
REG	Sodium	25.9	MG/KG	B	J	
REG	Thallium	0.81	MG/KG	U	U	
REG	Vanadium	14.4	MG/KG	=		
REG	Zinc	130	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.082	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.037	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	540	UG/KG	U	U	
REG	1,2-Dichlorobenzene	540	UG/KG	U	U	
REG	1,3-Dichlorobenzene	540	UG/KG	U	U	
REG	1,4-Dichlorobenzene	540	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	540	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	540	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	540	UG/KG	U	U	
REG	2,4-Dichlorophenol	540	UG/KG	U	U	
REG	2,4-Dimethylphenol	540	UG/KG	U	U	
REG	2,4-Dinitrophenol	1300	UG/KG	U	U	
REG	2,4-Dinitrotoluene	540	UG/KG	U	U	
REG	2,6-Dinitrotoluene	540	UG/KG	U	U	
REG	2-Chloronaphthalene	540	UG/KG	U	U	
REG	2-Chlorophenol	540	UG/KG	U	U	
REG	2-Methylnaphthalene	540	UG/KG	U	U	
REG	2-Methylphenol	540	UG/KG	U	U	
REG	2-Nitroaniline	1300	UG/KG	U	U	
REG	2-Nitrophenol	540	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	540	UG/KG	U	U	
REG	3-Nitroaniline	1300	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1300	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	540	UG/KG	U	U	
REG	4-Chloroaniline	540	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	540	UG/KG	U	U	
REG	4-Methylphenol	540	UG/KG	U	U	
REG	4-Nitroaniline	1300	UG/KG	U	U	
REG	4-Nitrophenol	1300	UG/KG	U	U	
REG	4-chloro-3-methylphenol	540	UG/KG	U	U	
REG	Acenaphthene	540	UG/KG	U	U	
REG	Acenaphthylene	540	UG/KG	U	U	
REG	Anthracene	150	UG/KG	J	J	
REG	Benzo(a)anthracene	560	UG/KG	=		
REG	Benzo(a)pyrene	390	UG/KG	J	J	
REG	Benzo(b)fluoranthene	560	UG/KG	=		
REG	Benzo(g,h,i)perylene	130	UG/KG	J	J	
REG	Benzo(k)fluoranthene	180	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	540	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	540	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-156(d) SEDIMENT-2 E drainage - colocate with WBGsd

Northing: 562924.81
 Easting: 2360432.44
 Elevation:

WBGsd-156(d)-0745-SD 0.0 - 0.5 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 04/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Bis(2-ethylhexyl)phthalate	540	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	540	UG/KG	U	U	
REG	Carbazole	540	UG/KG	U	U	
REG	Chrysene	510	UG/KG	J	J	
REG	Di-n-butyl Phthalate	540	UG/KG	U	U	
REG	Di-n-octyl Phthalate	540	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	540	UG/KG	U	U	
REG	Dibenzofuran	540	UG/KG	U	U	
REG	Diethyl Phthalate	540	UG/KG	U	U	
REG	Dimethyl Phthalate	540	UG/KG	U	U	
REG	Fluoranthene	1500	UG/KG		=	
REG	Fluorene	540	UG/KG	U	U	
REG	Hexachlorobenzene	540	UG/KG	U	U	
REG	Hexachlorobutadiene	540	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	540	UG/KG	U	U	
REG	Hexachloroethane	540	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	170	UG/KG	J	J	
REG	Isophorone	540	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	540	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	540	UG/KG	U	U	
REG	Naphthalene	540	UG/KG	U	U	
REG	Nitrobenzene	540	UG/KG	U	U	
REG	Pentachlorophenol	540	UG/KG	U	U	
REG	Phenanthrene	840	UG/KG		=	
REG	Phenol	540	UG/KG	U	U	
REG	Pyrene	940	UG/KG		=	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	8.1	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	8.1	UG/KG	U	U	
REG	1,1,2-Trichloroethane	8.1	UG/KG	U	U	
REG	1,1-Dichloroethane	8.1	UG/KG	U	U	
REG	1,1-Dichloroethene	8.1	UG/KG	U	U	
REG	1,2-Dichloroethane	8.1	UG/KG	U	U	
REG	1,2-Dichloroethene	8.1	UG/KG	U	U	
REG	1,2-Dichloropropane	8.1	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	8.1	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	8.1	UG/KG	U	U	
REG	2-Butanone	18	UG/KG	U	U	
REG	2-Hexanone	16	UG/KG	U	U	
REG	4-Methyl-2-pentanone	16	UG/KG	U	U	
REG	Acetone	21	UG/KG		J	C05
REG	Benzene	8.1	UG/KG	U	U	
REG	Bromodichloromethane	8.1	UG/KG	U	U	
REG	Bromoform	8.1	UG/KG	U	U	
REG	Bromomethane	16	UG/KG	U	U	
REG	Carbon Disulfide	8.1	UG/KG	U	U	
REG	Carbon Tetrachloride	8.1	UG/KG	U	U	
REG	Chlorobenzene	8.1	UG/KG	U	U	
REG	Chloroethane	16	UG/KG	U	U	
REG	Chloroform	8.1	UG/KG	U	U	
REG	Chloromethane	16	UG/KG	U	U	
REG	Dibromochloromethane	8.1	UG/KG	U	U	
REG	Ethylbenzene	8.1	UG/KG	U	U	
REG	Methylene Chloride	8.1	UG/KG	U	U	
REG	Styrene	8.1	UG/KG	U	U	
REG	Tetrachloroethene	8.1	UG/KG	U	U	
REG	Toluene	8.1	UG/KG	U	U	
REG	Trichloroethene	8.1	UG/KG	U	U	
REG	Vinyl Chloride	16	UG/KG	U	U	
REG	Xylenes, Total	8.1	UG/KG	U	U	

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-157(d) SEDIMENT-3 Mack's Pond

Northing: 561905.46
 Easting: 2359939.07
 Elevation:

WBGsd-157(d)-0746-SD 0.0 - 0.5 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.97	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	6200	MG/KG		=	
REG	Antimony	0.97	MG/KG	U	UJ	102
REG	Arsenic	9.1	MG/KG		=	
REG	Barium	60.8	MG/KG		=	
REG	Beryllium	0.24	MG/KG	B	U	F06
REG	Cadmium	0.97	MG/KG	U	U	
REG	Calcium	975	MG/KG		=	
REG	Chromium	9	MG/KG		=	
REG	Cobalt	7	MG/KG	B	J	
REG	Copper	10.4	MG/KG		=	
REG	Iron	14600	MG/KG		=	
REG	Lead	11.6	MG/KG		=	
REG	Magnesium	1280	MG/KG		=	
REG	Manganese	733	MG/KG		J	101
REG	Mercury	0.19	MG/KG	U	U	
REG	Nickel	12.1	MG/KG		=	
REG	Potassium	666	MG/KG	B	J	
REG	Selenium	0.97	MG/KG	U	U	
REG	Silver	1.9	MG/KG	U	U	
REG	Sodium	966	MG/KG	U	U	
REG	Thallium	0.97	MG/KG	U	U	
REG	Vanadium	13.9	MG/KG		=	
REG	Zinc	60.9	MG/KG	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.098	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-158(p) SEDIMENT-4 Downstream of Mack's before Sand

Northing: 561389.36
 Easting: 2358366.69
 Elevation:

WBGsd-158(p)-0747-SD 0.0 - 0.5 FT

Field Sample Type: Grab Matrix: Sediment

Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.76	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	7700	MG/KG		=	
REG	Antimony	0.76	MG/KG	U	UJ	102
REG	Arsenic	10.5	MG/KG		=	
REG	Barium	64.7	MG/KG		=	
REG	Beryllium	0.4	MG/KG	B	U	F06
REG	Cadmium	0.76	MG/KG	U	U	
REG	Calcium	977	MG/KG		=	
REG	Chromium	9.7	MG/KG		=	
REG	Cobalt	7.3	MG/KG	B	J	
REG	Copper	7.8	MG/KG		=	
REG	Iron	14000	MG/KG		=	
REG	Lead	14.1	MG/KG		=	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGsd-158(p) SEDIMENT-4 Downstream of Mack's before Sand

Northing: 561389.36
 Easting: 2358366.69
 Elevation:

WBGsd-158(p)-0747-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Magnesium	1180	MG/KG	=		
REG	Manganese	825	MG/KG	J		101
REG	Mercury	0.15	MG/KG	U	U	
REG	Nickel	11.9	MG/KG	=		
REG	Potassium	863	MG/KG	=		
REG	Selenium	0.76	MG/KG	U	U	
REG	Silver	1.5	MG/KG	U	U	
REG	Sodium	26.7	MG/KG	B	J	
REG	Thallium	0.76	MG/KG	U	U	
REG	Vanadium	17.4	MG/KG	=		
REG	Zinc	58.4	MG/KG	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.071	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,8-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.071	MG/KG	J	J	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-005 PAD-06 SB-12 Soil Boring - 12

Northing: 561606.90
 Easting: 2358315.00
 Elevation:

WBGso-005-0765-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12100	MG/KG	=		
REG	Antimony	0.58	MG/KG	U	UJ	102
REG	Arsenic	14.5	MG/KG	=		
REG	Barium	38.7	MG/KG	=		
REG	Beryllium	0.36	MG/KG	B	U	F06
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	333	MG/KG	B	J	
REG	Chromium	13.5	MG/KG	=		
REG	Cobalt	7.1	MG/KG	B	J	
REG	Copper	16	MG/KG	=		
REG	Iron	20100	MG/KG	=		
REG	Lead	11.5	MG/KG	J		101
REG	Magnesium	2120	MG/KG	=		
REG	Manganese	211	MG/KG	=		
REG	Mercury	0.045	MG/KG	B	U	F01,F06
REG	Nickel	17	MG/KG	=		
REG	Potassium	1300	MG/KG	=		
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	31.4	MG/KG	B	R	F01,F06 ,F10
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	18.8	MG/KG	=		
REG	Zinc	60.8	MG/KG	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.034	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-006 PAD-05 SB-12 Soil Boring - 12

Northing: 561606.90
 Easting: 2356315.00
 Elevation:

WBGso-005-0765-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.032	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG		U	F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-006 PAD-06 SB-11 Soil Boring - 11

Northing: 561819.00
 Easting: 2356725.00
 Elevation:

WBGso-006-0764-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.81	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9290	MG/KG		=	
REG	Antimony	0.61	MG/KG	U	UJ	I02
REG	Arsenic	12	MG/KG		=	
REG	Barium	31.1	MG/KG		=	
REG	Beryllium	0.29	MG/KG	B	U	F06
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	453	MG/KG	B	J	
REG	Chromium	11.8	MG/KG		=	
REG	Cobalt	8	MG/KG	B	J	
REG	Copper	12.6	MG/KG		=	
REG	Iron	17800	MG/KG		=	
REG	Lead	9.9	MG/KG		J	I01
REG	Magnesium	1920	MG/KG		=	
REG	Manganese	246	MG/KG		=	
REG	Mercury	0.055	MG/KG	B	U	F01,F06
REG	Nickel	14.7	MG/KG		=	
REG	Potassium	982	MG/KG		=	
REG	Selenium	0.81	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	34.9	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	16.6	MG/KG		=	
REG	Zinc	52.5	MG/KG	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG		U	F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-035 PAD-38 SB-10 Soil Boring - 10

Northing: 562364.20
 Easting: 2359137.00
 Elevation:

WBGso-035-0763-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13900	MG/KG	=		
REG	Antimony	0.73	MG/KG	J		102
REG	Arsenic	14.5	MG/KG	=		
REG	Barium	87.3	MG/KG	=		
REG	Beryllium	0.65	MG/KG	U		F07
REG	Cadmium	0.82	MG/KG	=		
REG	Calcium	1900	MG/KG	=		
REG	Chromium	17.6	MG/KG	=		
REG	Cobalt	16	MG/KG	B	J	
REG	Copper	19.3	MG/KG	=		
REG	Iron	24700	MG/KG	=		
REG	Lead	16.5	MG/KG	J		101
REG	Magnesium	3530	MG/KG	=		
REG	Manganese	481	MG/KG	=		
REG	Mercury	0.042	MG/KG	B	U	F01,F06
REG	Nickel	29.9	MG/KG	=		
REG	Potassium	1700	MG/KG	=		
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	70.7	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	19.9	MG/KG	=		
REG	Zinc	72.9	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.042	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.037	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.047	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	F01,F06
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG	U	U	F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-037 PAD-40 SB-8 Soil Boring - 8

Northing: 562394.00
 Easting: 2359910.00
 Elevation:

WBGso-037-0761-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	17500	MG/KG	=		
REG	Antimony	0.63	MG/KG	U	UJ	102
REG	Arsenic	20.5	MG/KG	=		
REG	Barium	72.7	MG/KG	=		
REG	Beryllium	0.78	MG/KG	U		F07
REG	Cadmium	0.63	MG/KG	U	U	
REG	Calcium	1030	MG/KG	=		
REG	Chromium	23.3	MG/KG	=		
REG	Cobalt	9.6	MG/KG	B	J	
REG	Copper	25.8	MG/KG	=		
REG	Iron	37100	MG/KG	=		
REG	Lead	12.5	MG/KG	J		101

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-037 PAD-40 SB-8 Soil Boring - 8

Northing: 562394.00
 Easting: 2359910.00
 Elevation:

WBGso-037-0761-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Magnesium	3610	MG/KG	=		
REG	Manganese	232	MG/KG	=		
REG	Mercury	0.054	MG/KG	B	U	F01,F06
REG	Nickel	25.8	MG/KG	=		
REG	Potassium	1720	MG/KG	=		
REG	Selenium	0.63	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	38.6	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	29	MG/KG	=		
REG	Zinc	71.8	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG		U	F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-054 PAD-58 SB-3B Soil Boring - 3B

Northing: 562964.60
 Easting: 2355632.00
 Elevation:

WBGso-054-0753-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.56	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	6330	MG/KG	=		
REG	Antimony	0.56	MG/KG	U	UJ	102
REG	Arsenic	12.3	MG/KG	=		
REG	Barium	31.1	MG/KG	=		
REG	Beryllium	0.28	MG/KG	B	U	F06
REG	Cadmium	0.56	MG/KG	U	U	
REG	Calcium	913	MG/KG	=		
REG	Chromium	9.4	MG/KG	=		
REG	Cobalt	6.5	MG/KG	B	J	
REG	Copper	21.8	MG/KG	=		
REG	Iron	18500	MG/KG	MBB	=	
REG	Lead	20.7	MG/KG	=		
REG	Magnesium	1850	MG/KG	=		
REG	Manganese	593	MG/KG	J		D04
REG	Mercury	0.054	MG/KG	B	U	F01,F06
REG	Nickel	15.7	MG/KG	=		
REG	Potassium	868	MG/KG	=		
REG	Selenium	0.56	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	42	MG/KG	B	U	F06
REG	Thallium	0.56	MG/KG	U	U	
REG	Vanadium	11.7	MG/KG	=		
REG	Zinc	72	MG/KG	MBB	J	E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-054 PAD-58 SB-3B Soil Boring - 3B

Northing: 562964.60
 Easting: 2355632.00
 Elevation:

WBGso-054-0753-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/05/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4,6-Trinitrotoluene	0.065	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.088	MG/KG	J	J	
REG	4-Nitrotoluene	0.084	MG/KG	J	J	
REG	HMX	0.11	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.6	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-055 PAD-59 SB-4 Soil Boring - 4

Northing: 562970.40
 Easting: 2355895.00
 Elevation:

WBGso-055-0754-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.8	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	16000	MG/KG	=	=	
REG	Antimony	0.64	MG/KG	J	J	I02
REG	Arsenic	14.2	MG/KG	=	=	
REG	Barium	88.4	MG/KG	=	=	
REG	Beryllium	0.78	MG/KG	U	U	F07
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	1540	MG/KG	=	=	
REG	Chromium	21.5	MG/KG	=	=	
REG	Cobalt	12.6	MG/KG	B	J	
REG	Copper	32	MG/KG	=	=	
REG	Iron	27300	MG/KG	=	=	
REG	Lead	30.8	MG/KG	J	J	I01
REG	Magnesium	4090	MG/KG	=	=	
REG	Manganese	304	MG/KG	=	=	
REG	Mercury	0.046	MG/KG	B	U	F01,F06
REG	Nickel	27.7	MG/KG	=	=	
REG	Potassium	2210	MG/KG	=	=	
REG	Selenium	0.6	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	148	MG/KG	B	J	F10
REG	Thallium	0.6	MG/KG	U	U	
REG	Vanadium	24.9	MG/KG	=	=	
REG	Zinc	81.6	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.062	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.31	MG/KG	U	U	F01,F07
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG	U	U	F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	UJ	C05

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-055 PAD-59 SB-4 Soil Boring - 4

Northing: 562970.40
 Easting: 2355895.00
 Elevation:

WBGso-055-0754-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Semi-Volatile Organica	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	960	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	UJ	C05
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	62	UG/KG	J	J	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	960	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	960	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	960	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	960	UG/KG	U	UJ	C05
REG	4-Nitrophenol	960	UG/KG	U	UJ	C05
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	400	UG/KG	U	U	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	400	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	UJ	C05
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	UJ	C05
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	400	UG/KG	U	U	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	UJ	C05
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	UJ	C05
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	F01,F06
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	400	UG/KG	U	U	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	93	UG/KG	J	J	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG	U	U	

WBGso-055-0755-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.62	MG/KG	U	U	

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Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	14100	MG/KG	=		
REG	Antimony	0.58	MG/KG	B	J	I02
REG	Arsenic	14.2	MG/KG	=		
REG	Barium	66.2	MG/KG	=		
REG	Beryllium	0.64	MG/KG		U	F07
REG	Cadmium	0.62	MG/KG	U	U	
REG	Calcium	8870	MG/KG	=		
REG	Chromium	19.9	MG/KG	=		
REG	Cobalt	12.3	MG/KG	B	J	
REG	Copper	33.8	MG/KG	=		
REG	Iron	26100	MG/KG	=		
REG	Lead	30.4	MG/KG		J	I01
REG	Magnesium	5050	MG/KG	=		
REG	Manganese	551	MG/KG	=		
REG	Mercury	0.039	MG/KG	B	U	F01,F08
REG	Nickel	27.7	MG/KG	=		
REG	Potassium	2590	MG/KG	=		
REG	Selenium	0.62	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	151	MG/KG	B	J	F10
REG	Thallium	0.62	MG/KG	U	U	
REG	Vanadium	22.9	MG/KG	=		
REG	Zinc	78.8	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG		U	F01,F08
REG	Nitrobenzene	0.039	MG/KG	J	J	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-057 PAD-60 SB-5 Soil Boring - 5

Northing: 562972.75
 Easting: 2356327.64
 Elevation:

WBGso-057-0766-SO 2.0 - 4.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	13800	MG/KG	=		
REG	Antimony	2.4	MG/KG		J	I02
REG	Arsenic	14.1	MG/KG	=		
REG	Barium	91.4	MG/KG	=		
REG	Beryllium	0.6	MG/KG		U	F07
REG	Cadmium	4.6	MG/KG	=		
REG	Calcium	14700	MG/KG	=		
REG	Chromium	23.1	MG/KG	=		
REG	Cobalt	14.3	MG/KG	B	J	
REG	Copper	48.9	MG/KG	=		
REG	Iron	27600	MG/KG	=		
REG	Lead	105	MG/KG		J	I01
REG	Magnesium	5420	MG/KG	=		
REG	Manganese	589	MG/KG	=		
REG	Mercury	0.042	MG/KG	B	U	F01,F08
REG	Nickel	31.2	MG/KG	=		
REG	Potassium	2250	MG/KG	=		
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.5	MG/KG	=		
REG	Sodium	227	MG/KG	B	J	F10
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	22.3	MG/KG	=		

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-057 PAD-60 SB-5 Soil Boring - 5

Northing: 562872.75
 Easting: 2356327.64
 Elevation:

WBGso-057-0756-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Zinc	184	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.094	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.43	MG/KG		=	F08
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.2	MG/KG	J	J	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.12	MG/KG	J	J	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG		U	F01,F08
REG	Nitrobenzene	0.078	MG/KG	J	J	
REG	Nitroglycerin	7.4	MG/KG		=	
REG	RDX	0.26	MG/KG	J	J	
REG	Tetryl	0.65	MG/KG	U	U	

WBGso-057-0757-SO 4.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	16200	MG/KG		=	
REG	Antimony	0.58	MG/KG	U	U,J	I02
REG	Arsenic	13.8	MG/KG		=	
REG	Barium	72.7	MG/KG		=	
REG	Beryllium	0.69	MG/KG		U	F07
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	17900	MG/KG		=	
REG	Chromium	21.5	MG/KG		=	
REG	Cobalt	13.9	MG/KG	B	J	
REG	Copper	22.9	MG/KG		=	
REG	Iron	27000	MG/KG		=	
REG	Lead	13.1	MG/KG		J	I01
REG	Magnesium	6520	MG/KG		=	
REG	Manganese	452	MG/KG		=	
REG	Mercury	0.04	MG/KG	B	U	F01,F08
REG	Nickel	28.3	MG/KG		=	
REG	Potassium	3490	MG/KG		=	
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	128	MG/KG	B	J	F10
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	26.5	MG/KG		=	
REG	Zinc	69.5	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.042	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.24	MG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
Station: WBGso-059 PAD-61 SB-7 Soil Boring - 7

Northing: 562998.50
Easting: 2356591.00
Elevation:

WBGso-059-0760-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12700	MG/KG		=	
REG	Antimony	0.64	MG/KG	U	UJ	I02
REG	Arsenic	12.5	MG/KG		=	
REG	Barium	71.6	MG/KG		=	
REG	Beryllium	0.53	MG/KG	B	U	F06
REG	Cadmium	3.2	MG/KG		=	
REG	Calcium	5070	MG/KG		=	
REG	Chromium	18.7	MG/KG		=	
REG	Cobalt	11.9	MG/KG	B	J	
REG	Copper	22.7	MG/KG		=	
REG	Iron	28300	MG/KG		=	
REG	Lead	21.2	MG/KG		J	I01
REG	Magnesium	4230	MG/KG		=	
REG	Manganese	400	MG/KG		=	
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	28	MG/KG		=	
REG	Potassium	1810	MG/KG		=	
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	110	MG/KG	B	J	F10
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	20.2	MG/KG		=	
REG	Zinc	77.2	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.099	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG		U	F01,F06
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
Station: WBGso-062 PAD-62 SB-6 Soil Boring - 6

Northing: 563010.40
Easting: 2357138.00
Elevation:

WBGso-062-0758-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.66	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	17000	MG/KG		=	
REG	Antimony	0.62	MG/KG	B	J	I02
REG	Arsenic	16.9	MG/KG		=	
REG	Barium	175	MG/KG		=	
REG	Beryllium	1.3	MG/KG		=	
REG	Cadmium	0.66	MG/KG	U	U	
REG	Calcium	1730	MG/KG		=	
REG	Chromium	18.5	MG/KG		=	
REG	Cobalt	25.4	MG/KG		=	
REG	Copper	10.7	MG/KG		=	
REG	Iron	32900	MG/KG		=	
REG	Lead	25.6	MG/KG		J	I01

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-062 PAD-82 SB-6 Soil Boring - 6

Northing: 563010.40
 Easting: 2367138.00
 Elevation:

WBGso-062-0758-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Magnesium	2110	MG/KG	=		
REG	Manganese	3470	MG/KG	=		
REG	Mercury	0.083	MG/KG	B	U	F01,F06
REG	Nickel	19.6	MG/KG	=		
REG	Potassium	1280	MG/KG	=		
REG	Selenium	0.66	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	42.3	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.66	MG/KG	U	U	
REG	Vanadium	40.5	MG/KG	=		
REG	Zinc	87.2	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.5	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.5	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.51	MG/KG	=		
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.5	MG/KG	U	U	
REG	3-Nitrotoluene	0.5	MG/KG	U	U	
REG	4-Nitrotoluene	0.5	MG/KG	U	U	
REG	HMX	1.4	MG/KG	=		F08
REG	Nitrobenzene	0.5	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	7	MG/KG	=		
REG	Tetryl	1.3	MG/KG	U	U	

WBGso-062-0759-SO 4.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	8280	MG/KG	=		
REG	Antimony	0.62	MG/KG	U	UJ	102
REG	Arsenic	12.2	MG/KG	=		
REG	Barium	70.3	MG/KG	=		
REG	Beryllium	0.63	MG/KG	U	U	F07
REG	Cadmium	0.62	MG/KG	U	U	
REG	Calcium	848	MG/KG	=		
REG	Chromium	13	MG/KG	=		
REG	Cobalt	8	MG/KG	B	J	
REG	Copper	9.5	MG/KG	=		
REG	Iron	19900	MG/KG	=		
REG	Lead	12.5	MG/KG	J	J	101
REG	Magnesium	1430	MG/KG	=		
REG	Manganese	1080	MG/KG	=		
REG	Mercury	0.049	MG/KG	B	U	F01,F06
REG	Nickel	12.4	MG/KG	=		
REG	Potassium	1000	MG/KG	=		
REG	Selenium	0.62	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	40	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.62	MG/KG	U	U	
REG	Vanadium	21.2	MG/KG	=		
REG	Zinc	50.6	MG/KG	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.26	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.048	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-062 PAD-62 SB-6 Soil Boring - 6

Northing: 563010.40
 Easting: 2357138.00
 Elevation:

WBGso-062-0759-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.57	MG/KG	U	U	F01,F07
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.55	MG/KG	U	J	
REG	Tetryl	0.65	MG/KG	U	U	

WBGso-062-0880-FD 4.0 - 6.0 FT Field Sample Type: Field Duplicate Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	8030	MG/KG		=	
REG	Antimony	0.62	MG/KG	U	UJ	I02
REG	Arsenic	9.9	MG/KG		=	
REG	Barium	62.7	MG/KG		=	
REG	Beryllium	0.4	MG/KG	B	U	F06
REG	Cadmium	0.62	MG/KG	U	U	
REG	Calcium	755	MG/KG		=	
REG	Chromium	10.1	MG/KG		=	
REG	Cobalt	7.8	MG/KG	B	J	
REG	Copper	11.5	MG/KG		=	
REG	Iron	16300	MG/KG		=	
REG	Lead	10.4	MG/KG		J	I01
REG	Magnesium	1350	MG/KG		=	
REG	Manganese	1050	MG/KG		=	
REG	Mercury	0.047	MG/KG	B	U	F01,F06
REG	Nickel	12.8	MG/KG		=	
REG	Potassium	933	MG/KG		=	
REG	Selenium	0.62	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	45.6	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.62	MG/KG	U	U	
REG	Vanadium	15.2	MG/KG		=	
REG	Zinc	50.2	MG/KG	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	F01,F06
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.15	MG/KG	J	J	
REG	HMX	0.52	MG/KG	U	U	F01,F07
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.79	MG/KG		=	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-069 PAD-66 SB-2 Soil Boring - 2

Northing: 563033.82
 Easting: 2358745.96
 Elevation:

WBGso-069-0750-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
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Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-069 PAD-88 SB-2 Soil Boring - 2

Northing: 563033.82
 Easting: 2358745.96
 Elevation:

WBGso-069-0750-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14400	MG/KG		=	
REG	Antimony	0.6	MG/KG	U	UJ	I02
REG	Arsenic	14	MG/KG		=	
REG	Barium	243	MG/KG		=	
REG	Beryllium	0.53	MG/KG	B	U	F06
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	961	MG/KG		J	I01
REG	Chromium	18.7	MG/KG		=	
REG	Cobalt	7.6	MG/KG	B	J	
REG	Copper	19.6	MG/KG		=	
REG	Iron	27500	MG/KG		=	
REG	Lead	14.8	MG/KG		=	
REG	Magnesium	3130	MG/KG		=	
REG	Manganese	274	MG/KG	MBB	=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	18.5	MG/KG		J	D05
REG	Potassium	1650	MG/KG		=	
REG	Selenium	0.6	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	64.9	MG/KG	B	U	F01,F06
REG	Thallium	0.6	MG/KG	U	UJ	D05
REG	Vanadium	25.2	MG/KG		=	
REG	Zinc	68.2	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	5	MG/KG	U	U	
REG	1,3-Dinitrobenzene	5	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	12	MG/KG		=	
REG	2,4-Dinitrotoluene	0.092	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	5	MG/KG	U	U	
REG	3-Nitrotoluene	5	MG/KG	U	U	
REG	4-Nitrotoluene	5	MG/KG	U	U	
REG	HMX	10	MG/KG	U	U	
REG	Nitrobenzene	5	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A01,A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A05
REG	RDX	10	MG/KG	U	U	
REG	Tetryl	13	MG/KG	U	U	

WBGso-069-0751-SO 4.0 - 5.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14400	MG/KG		=	
REG	Antimony	0.58	MG/KG	U	UJ	I02
REG	Arsenic	15.6	MG/KG		=	
REG	Barium	137	MG/KG		=	
REG	Beryllium	0.77	MG/KG		=	
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	1860	MG/KG		J	I01
REG	Chromium	19.6	MG/KG		=	
REG	Cobalt	11	MG/KG	B	J	
REG	Copper	23.3	MG/KG		=	
REG	Iron	28000	MG/KG		=	
REG	Lead	11.1	MG/KG		=	
REG	Magnesium	4310	MG/KG		=	
REG	Manganese	329	MG/KG	MBB	=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	31.6	MG/KG		J	D05
REG	Potassium	1840	MG/KG		=	
REG	Selenium	0.58	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-069 PAD-66 SB-2 Soil Boring - 2

Northing: 563033.82
 Easting: 2368745.86
 Elevation:

WBGso-069-0751-SO 4.0 - 5.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	91.2	MG/KG	B	U	F01,F06
REG	Thallium	0.58	MG/KG	U	UJ	D05
REG	Vanadium	22.1	MG/KG		=	
REG	Zinc	70.5	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.13	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	2.1	MG/KG		=	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.065	MG/KG	J	J	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.085	MG/KG	J	J	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.17	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A01,A05
REG	Nitroglycerin	2.6	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A05
REG	RDX	0.46	MG/KG	J	J	
REG	Tetryl	0.077	MG/KG	J	J	

Northing: 563059.90
 Easting: 2358980.80
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-070 PAD-67 SB-1 Soil Boring - 1

WBGso-070-0748-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11200	MG/KG		=	
REG	Antimony	0.58	MG/KG	U	UJ	I02
REG	Arsenic	14.7	MG/KG		=	
REG	Barium	75.2	MG/KG		=	
REG	Beryllium	0.46	MG/KG	B	U	F06
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	1310	MG/KG		J	I01
REG	Chromium	15.3	MG/KG		=	
REG	Cobalt	9.5	MG/KG	B	J	
REG	Copper	19.1	MG/KG		=	
REG	Iron	23000	MG/KG		=	
REG	Lead	10.5	MG/KG		=	
REG	Magnesium	2860	MG/KG		=	
REG	Manganese	310	MG/KG	MBB	=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	24.9	MG/KG		J	D05
REG	Potassium	1080	MG/KG		=	
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	69.5	MG/KG	B	U	F01,F06
REG	Thallium	0.58	MG/KG	U	UJ	D05
REG	Vanadium	18.4	MG/KG		=	
REG	Zinc	55.6	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.053	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1.7	MG/KG		=	
REG	2,4-Dinitrotoluene	0.11	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-070 PAD-67 SB-1 Soil Borling - 1

Northing: 563059.90
 Easting: 2358980.80
 Elevation:

WBGso-070-0748-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.48	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	1.5	MG/KG	=	=	
REG	Tetryl	0.65	MG/KG	U	U	

WBGso-070-0749-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	13500	MG/KG	=	=	
REG	Antimony	0.59	MG/KG	U	UJ	102
REG	Arsenic	14.5	MG/KG	=	=	
REG	Barium	69.4	MG/KG	=	=	
REG	Beryllium	0.57	MG/KG	B	U	F06
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	20500	MG/KG	J	J	101
REG	Chromium	19.1	MG/KG	=	=	
REG	Cobalt	11.2	MG/KG	B	J	
REG	Copper	23.7	MG/KG	=	=	
REG	Iron	27200	MG/KG	=	=	
REG	Lead	10.8	MG/KG	=	=	
REG	Magnesium	6240	MG/KG	=	=	
REG	Manganese	372	MG/KG	MBB	=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	27.7	MG/KG	J	J	D05
REG	Potassium	2050	MG/KG	=	=	
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	103	MG/KG	B	U	F01,F06
REG	Thallium	0.59	MG/KG	U	UJ	D05
REG	Vanadium	22.2	MG/KG	=	=	
REG	Zinc	67.2	MG/KG	=	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.27	MG/KG	J	J	G01
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	UJ	G01
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	UJ	G01
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	UJ	G01
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	UJ	G01
REG	2-Nitrotoluene	0.082	MG/KG	J	J	G01
REG	3-Nitrotoluene	0.25	MG/KG	U	UJ	G01
REG	4-Nitrotoluene	0.093	MG/KG	J	J	G01
REG	HMX	0.41	MG/KG	J	J	G01
REG	Nitrobenzene	0.25	MG/KG	U	UJ	G01
REG	Nitroglycerin	2.5	MG/KG	U	UJ	G01
REG	RDX	1.8	MG/KG	J	J	G01
REG	Tetryl	0.65	MG/KG	U	UJ	G01

WBGso-070-0877-FD 2.0 - 4.0 FT Field Sample Type: Field Duplicate Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11700	MG/KG	=	=	
REG	Antimony	0.56	MG/KG	U	UJ	102
REG	Arsenic	20.6	MG/KG	=	=	
REG	Barium	71.1	MG/KG	=	=	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-070 PAD-87 SB-1 Soil Boring - 1

Northing: 563059.90
 Easting: 2358980.80
 Elevation:

WBGso-070-0877-FD 2.0 - 4.0 FT Field Sample Type: Field Duplicate Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Beryllium	0.58	MG/KG		U	F07
REG	Cadmium	0.56	MG/KG	U	U	
REG	Calcium	1150	MG/KG		J	I01
REG	Chromium	16.7	MG/KG		=	
REG	Cobalt	10.4	MG/KG	B	J	
REG	Copper	19.5	MG/KG		=	
REG	Iron	32600	MG/KG		=	
REG	Lead	15.9	MG/KG		=	
REG	Magnesium	2750	MG/KG		=	
REG	Manganese	406	MG/KG	MBB	=	
REG	Mercury	0.11	MG/KG	U	U	
REG	Nickel	22.8	MG/KG		J	D05
REG	Potassium	1020	MG/KG		=	
REG	Selenium	0.56	MG/KG	U	U	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	60.4	MG/KG	B	U	F01,F06
REG	Thallium	0.56	MG/KG	U	UJ	D05
REG	Vanadium	22.2	MG/KG		=	
REG	Zinc	56	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	UJ	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	UJ	
REG	2,4,6-Trinitrotoluene	0.68	MG/KG		=	
REG	2,4-Dinitrotoluene	0.12	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.42	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	1.7	MG/KG		=	
REG	Tetryl	0.08	MG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-073 PAD-88 SB-3 Soil Boring - 3

Northing: 563059.30
 Easting: 2359530.00
 Elevation:

WBGso-073-0762-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9360	MG/KG		=	
REG	Antimony	0.59	MG/KG	U	UJ	I02
REG	Arsenic	11.9	MG/KG		=	
REG	Barium	54.9	MG/KG		=	
REG	Beryllium	0.39	MG/KG	B	U	F06
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	595	MG/KG		J	I01
REG	Chromium	11.8	MG/KG		=	
REG	Cobalt	8.8	MG/KG	B	J	
REG	Copper	16.2	MG/KG		=	
REG	Iron	19000	MG/KG		=	
REG	Lead	10	MG/KG		=	
REG	Magnesium	1770	MG/KG		=	
REG	Manganese	340	MG/KG	MBB	=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	12.4	MG/KG		J	D05
REG	Potassium	771	MG/KG		=	
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	55.3	MG/KG	B	U	F01,F06
REG	Thallium	0.59	MG/KG	U	UJ	D05

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-073 PAD-68 SB-3 Soil Boring - 3

Northing: 563059.30
 Easting: 2358530.00
 Elevation:

WBGso-073-0752-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Vanadium	18.7	MG/KG	=		
REG	Zinc	37.6	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.11	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	=		
REG	2,4-Dinitrotoluene	0.083	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.093	MG/KG	J	J	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	950	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,6-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	950	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	950	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	950	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	U	
REG	4-Chloroaniline	390	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	U	
REG	4-Methylphenol	390	UG/KG	U	U	
REG	4-Nitroaniline	950	UG/KG	U	U	
REG	4-Nitrophenol	950	UG/KG	U	U	
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	
REG	Anthracene	390	UG/KG	U	U	
REG	Benzo(a)anthracene	390	UG/KG	U	U	
REG	Benzo(a)pyrene	390	UG/KG	U	U	
REG	Benzo(b)fluoranthene	390	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U	U	
REG	Benzo(k)fluoranthene	390	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	390	UG/KG	U	U	
REG	Chrysene	390	UG/KG	U	U	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	U	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-073 PAD-88 SB-3 Soil Boring - 3

Northing: 563059.30
 Easting: 2359530.00
 Elevation:

WBGso-073-0752-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	390	UG/KG	U	U	
REG	Fluorene	390	UG/KG	U	U	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	U	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	390	UG/KG	U	U	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	390	UG/KG	U	U	

Northing: 562312.69
 Easting: 2358766.50
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-107 PAD-37 SB-13 Soil Boring - 13

WBGso-107-0766-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.86	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	10700	MG/KG	=	=	
REG	Antimony	0.86	MG/KG	U	UJ	102
REG	Arsenic	15.7	MG/KG	=	=	
REG	Barium	47.4	MG/KG	=	=	
REG	Beryllium	0.49	MG/KG	B	J	
REG	Cadmium	0.66	MG/KG	U	U	
REG	Calcium	657	MG/KG	B	U	F01,F06
REG	Chromium	13.8	MG/KG	=	=	
REG	Cobalt	9.3	MG/KG	B	J	
REG	Copper	8.3	MG/KG	=	=	
REG	Iron	26200	MG/KG	=	=	
REG	Lead	15.7	MG/KG	=	=	
REG	Magnesium	2010	MG/KG	=	=	
REG	Manganese	524	MG/KG	J	J	101
REG	Mercury	0.037	MG/KG	B	J	
REG	Nickel	13.7	MG/KG	=	=	
REG	Potassium	725	MG/KG	=	=	
REG	Selenium	0.66	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	18.9	MG/KG	B	J	
REG	Thallium	0.66	MG/KG	U	U	
REG	Vanadium	24.1	MG/KG	=	=	
REG	Zinc	50.8	MG/KG	MBD	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.058	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.1	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-122 PAD-60 Demolition Area No. 2 SB-14

Northing: 562974.00
 Easting: 2356254.00
 Elevation:

WBGso-122-0767-SO 4.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	16400	MG/KG	=		
REG	Antimony	0.55	MG/KG	B	J	102
REG	Arsenic	13.6	MG/KG	=		
REG	Barium	123	MG/KG	=		
REG	Beryllium	0.8	MG/KG	=		
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	2190	MG/KG	=		
REG	Chromium	22.8	MG/KG	=		
REG	Cobalt	12.6	MG/KG	B	J	
REG	Copper	29.8	MG/KG	=		
REG	Iron	27900	MG/KG	=		
REG	Lead	26.3	MG/KG	=		
REG	Magnesium	4210	MG/KG	=		
REG	Manganese	451	MG/KG	J		101
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	34.1	MG/KG	=		
REG	Potassium	2910	MG/KG	=		
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	142	MG/KG	B	J	
REG	Thallium	0.76	MG/KG	=		
REG	Vanadium	26.3	MG/KG	=		
REG	Zinc	98.5	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-140 PAD-67 Demolition Area No. 2 SB-16

Northing: 562989.66
 Easting: 2359050.02
 Elevation:

WBGso-140-0769-SO 4.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10300	MG/KG	=		
REG	Antimony	0.62	MG/KG	U	UJ	102
REG	Arsenic	16.1	MG/KG	=		
REG	Barium	387	MG/KG	=		
REG	Beryllium	0.35	MG/KG	B	U	F06
REG	Cadmium	0.62	MG/KG	U	U	
REG	Calcium	953	MG/KG	=		
REG	Chromium	14.3	MG/KG	=		
REG	Cobalt	11.8	MG/KG	B	J	
REG	Copper	30.1	MG/KG	=		
REG	Iron	24200	MG/KG	=		

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-140 PAD-67 Demolition Area No. 2 SB-16

Northing: 562989.66
 Easting: 2359050.02
 Elevation:

WBGso-140-0769-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/88

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Lead	18.2	MG/KG	=		
REG	Magnesium	2570	MG/KG	=		
REG	Manganese	1050	MG/KG	J		101
REG	Mercury	0.046	MG/KG	B	J	
REG	Nickel	21.9	MG/KG	=		
REG	Potassium	1260	MG/KG	=		
REG	Selenium	0.62	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	49.4	MG/KG	B	J	
REG	Thallium	0.62	MG/KG	U	U	
REG	Vanadium	18.3	MG/KG	=		
REG	Zinc	102	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	2.8	MG/KG	=		
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.17	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.37	MG/KG	J	J	
REG	Tetryl	0.85	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-141 PAD-68-1 Demolition Area No. 2 SB-18

Northing: 563016.07
 Easting: 2359514.27
 Elevation:

WBGso-141-0771-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/88

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9610	MG/KG	=		
REG	Antimony	0.41	MG/KG	B	J	102
REG	Arsenic	9.4	MG/KG	=		
REG	Barium	159	MG/KG	=		
REG	Beryllium	0.23	MG/KG	B	J	
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	700	MG/KG	=		
REG	Chromium	10.7	MG/KG	=		
REG	Cobalt	5.4	MG/KG	B	J	
REG	Copper	13.9	MG/KG	=		
REG	Iron	13300	MG/KG	MBB	=	
REG	Lead	12	MG/KG	=		
REG	Magnesium	1880	MG/KG	=		
REG	Manganese	236	MG/KG	J		101
REG	Mercury	0.065	MG/KG	B	J	
REG	Nickel	11.4	MG/KG	=		
REG	Potassium	1040	MG/KG	=		
REG	Selenium	0.61	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	46.4	MG/KG	B	J	
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	18	MG/KG	=		
REG	Zinc	41.6	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1.6	MG/KG	=		

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-141 PAD-68-1 Demolition Area No. 2 SB-18

Northing: 583016.07
 Easting: 2359514.27
 Elevation:

WBGso-141-0771-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.71	MG/KG		=	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.17	MG/KG	J	J	
REG	Tetryl	0.15	MG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-142 PAD-68-2 Demolition Area No. 2 SB-18 -

Northing: 583055.29
 Easting: 2359575.83
 Elevation:

WBGso-142-0772-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	9090	MG/KG		=	
REG	Antimony	0.59	MG/KG	U	UJ	102
REG	Arsenic	9.4	MG/KG		=	
REG	Barium	400	MG/KG		=	
REG	Beryllium	0.26	MG/KG	B	J	
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	540	MG/KG	B L	J	
REG	Chromium	12.3	MG/KG		=	
REG	Cobalt	7.7	MG/KG	B	J	
REG	Copper	17.4	MG/KG		=	
REG	Iron	16100	MG/KG	MBB	=	
REG	Lead	14.4	MG/KG		=	
REG	Magnesium	1880	MG/KG		=	
REG	Manganese	235	MG/KG	J		101
REG	Mercury	0.041	MG/KG	B	J	
REG	Nickel	11.5	MG/KG	L	=	
REG	Potassium	1060	MG/KG		=	
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	45.2	MG/KG	B	J	
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	19.1	MG/KG		=	
REG	Zinc	57.9	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.027	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.093	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-168 PAD-88 Demolition Area No. 2 SB-13B

Northing: 563033.20
 Easting: 2358751.00
 Elevation:

WBGso-168-0773-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	15000	MG/KG		=	
REG	Antimony	1	MG/KG	J		I02
REG	Arsenic	17.9	MG/KG		=	
REG	Barium	84.9	MG/KG	J		I02
REG	Beryllium	0.22	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.64	MG/KG	U	U	
REG	Calcium	1080	MG/KG		=	
REG	Chromium	21.1	MG/KG		=	
REG	Cobalt	6.7	MG/KG	B	J	
REG	Copper	18.1	MG/KG		=	
REG	Iron	33000	MG/KG		=	
REG	Lead	16.6	MG/KG		=	
REG	Magnesium	2630	MG/KG	J		I03
REG	Manganese	313	MG/KG	J		D04
REG	Mercury	0.089	MG/KG	B	U	F01,F08
REG	Nickel	16.6	MG/KG		=	
REG	Potassium	1480	MG/KG		=	
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	76	MG/KG	B	U	F01,F06
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	30.9	MG/KG		=	
REG	Zinc	58.8	MG/KG	J		E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2.5	MG/KG		=	
REG	1,3-Dinitrobenzene	0.26	MG/KG	J	J	
REG	2,4,6-Trinitrotoluene	27	MG/KG		=	
REG	2,4-Dinitrotoluene	0.11	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.22	MG/KG	J	J	
REG	2-Nitrotoluene	2.5	MG/KG	U	U	
REG	3-Nitrotoluene	2.5	MG/KG	U	U	
REG	4-Nitrotoluene	2.5	MG/KG	U	U	
REG	HMX	2.4	MG/KG	J	J	
REG	Nitrobenzene	0.36	MG/KG	J	J	
REG	Nitrocellulose as N	6.6	MG/KG		=	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	U	
REG	RDX	14	MG/KG		=	
REG	Tetryl	6.5	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-178 PAD-67 center of burn area

Northing: 562982.15
 Easting: 2359052.76
 Elevation:

WBGso-178-0928-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	7960	MG/KG		J	F10
REG	Antimony	0.58	MG/KG	U	UJ	I02
REG	Arsenic	16.2	MG/KG		=	
REG	Barium	148	MG/KG		=	
REG	Beryllium	0.37	MG/KG	B	J	
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	755	MG/KG		=	
REG	Chromium	11.9	MG/KG		=	
REG	Cobalt	9.8	MG/KG	B	J	
REG	Copper	23.4	MG/KG		=	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-178 PAD-67 center of burn area

Northing: 562982.15
 Easting: 2359052.76
 Elevation:

WBGso-178-0928-SO 2.0 - 4.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Iron	22300	MG/KG	=		
REG	Lead	14.1	MG/KG	=		
REG	Magnesium	2200	MG/KG	=		
REG	Manganese	452	MG/KG	=		
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	19.1	MG/KG	J		D05
REG	Potassium	921	MG/KG	=		
REG	Selenium	0.58	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	81.9	MG/KG	B	U	F01,F06
REG	Thallium	0.79	MG/KG	=		
REG	Vanadium	13.3	MG/KG	=		
REG	Zinc	71.9	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.24	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.3	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.89	MG/KG	=		
REG	Tetryl	0.08	MG/KG	J	J	

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	380	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	2,4-Dinitrotoluene	380	UG/KG	U	U	
REG	2,6-Dinitrotoluene	380	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	
REG	3,3'-Dichlorobenzidine	380	UG/KG	U	U	
REG	3-Nitroaniline	920	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	920	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	
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	380	UG/KG	U	U	
REG	Benzo(a)pyrene	380	UG/KG	U	U	
REG	Benzo(b)fluoranthene	380	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	380	UG/KG	U	U	
REG	Benzo(k)fluoranthene	380	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-178 PAD-67 center of burn area

Northing: 562982.15
 Easting: 2359052.76
 Elevation:

WBGso-178-0928-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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	380	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	380	UG/KG	U	U	
REG	Carbazole	380	UG/KG	U	U	
REG	Chrysene	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	380	UG/KG	U	U	
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	Nitrobenzene	380	UG/KG	U	U	
REG	Pentachlorophenol	380	UG/KG	U	U	
REG	Phenanthrene	380	UG/KG	U	U	
REG	Phenol	380	UG/KG	U	U	
REG	Pyrene	380	UG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-185 PAD-37 SB-9 Soil Boring - 9

Northing: 562345.00
 Easting: 2358695.00
 Elevation:

WBGso-185-0762-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/26/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	15300	MG/KG		=	
REG	Antimony	0.57	MG/KG	B	J	I02
REG	Arsenic	5.8	MG/KG		=	
REG	Barium	121	MG/KG		=	
REG	Beryllium	0.61	MG/KG	B	U	F06
REG	Cadmium	0.63	MG/KG	U	U	
REG	Calcium	4140	MG/KG		=	
REG	Chromium	16.3	MG/KG		=	
REG	Cobalt	6.4	MG/KG	B	J	
REG	Copper	11.6	MG/KG		=	
REG	Iron	17900	MG/KG		=	
REG	Lead	14.7	MG/KG		J	I01
REG	Magnesium	2380	MG/KG		=	
REG	Manganese	616	MG/KG		=	
REG	Mercury	0.059	MG/KG	B	U	F01,F06
REG	Nickel	14.1	MG/KG		=	
REG	Potassium	974	MG/KG		=	
REG	Selenium	0.63	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	80.3	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	21.5	MG/KG		=	
REG	Zinc	67.5	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.12	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-185 PAD-37 SB-9 Soil Boring - 9

Northing: 562345.00
 Easting: 2358895.00
 Elevation:

WBGso-185-0762-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2,4,6-Trinitrotoluene	3.5	MG/KG	=		
REG	2,4-Dinitrotoluene	0.051	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.26	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.12	MG/KG	J	J	
REG	4-Nitrotoluene	0.11	MG/KG	J	J	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.054	MG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-186 PAD-67 Demolition Area No. 2 SB-17

Northing: 563063.80
 Easting: 2359020.78
 Elevation:

WBGso-186-0770-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	12900	MG/KG	=		
REG	Antimony	1.3	MG/KG	J	J	102
REG	Arsenic	11.4	MG/KG	=		
REG	Barium	275	MG/KG	=		
REG	Beryllium	0.39	MG/KG	B	U	F06
REG	Cadmium	0.64	MG/KG	U	U	
REG	Calcium	1600	MG/KG	=		
REG	Chromium	16.9	MG/KG	=		
REG	Cobalt	9.4	MG/KG	B	J	
REG	Copper	30.6	MG/KG	=		
REG	Iron	21400	MG/KG	=		
REG	Lead	29.2	MG/KG	=		
REG	Magnesium	2130	MG/KG	=		
REG	Manganese	296	MG/KG	J	J	101
REG	Mercury	0.034	MG/KG	B	J	
REG	Nickel	13.9	MG/KG	=		
REG	Potassium	1080	MG/KG	=		
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	83.3	MG/KG	B	J	
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	22.9	MG/KG	=		
REG	Zinc	67.9	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	6.9	MG/KG	J	J	
REG	1,3-Dinitrobenzene	12	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	26	MG/KG	=		
REG	2,4-Dinitrotoluene	0.082	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	4.8	MG/KG	J	J	
REG	3-Nitrotoluene	12	MG/KG	U	U	
REG	4-Nitrotoluene	12	MG/KG	U	U	
REG	HMX	14	MG/KG	J	J	
REG	Nitrobenzene	12	MG/KG	U	U	
REG	Nitrocellulose as N	88.4	MG/KG	J	J	A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A05
REG	RDX	82	MG/KG	=		
REG	Tetryl	32	MG/KG	U	U	

WBGso-186-0927-SO 4.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	9250	MG/KG		J	F10
REG	Antimony	0.44	MG/KG	B	J	I02
REG	Arsenic	17.5	MG/KG		=	
REG	Barium	90.5	MG/KG		=	
REG	Beryllium	0.78	MG/KG		=	
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	3760	MG/KG		=	
REG	Chromium	15.2	MG/KG		=	
REG	Cobalt	17.1	MG/KG	B	J	
REG	Copper	22.8	MG/KG		=	
REG	Iron	35300	MG/KG		=	
REG	Lead	14.6	MG/KG		=	
REG	Magnesium	3310	MG/KG		=	
REG	Manganese	439	MG/KG		=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	46.8	MG/KG		J	D05
REG	Potassium	1100	MG/KG		=	
REG	Selenium	0.81	MG/KG		=	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	76.9	MG/KG	B	U	F01,F06
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	18	MG/KG		=	
REG	Zinc	64.7	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.092	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	15	MG/KG		=	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.41	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	3.2	MG/KG		=	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	U	
REG	RDX	4.4	MG/KG		=	
REG	Tetryl	0.13	MG/KG	J	J	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	1,2,4-Trichlorobenzene	390	UG/KG	U	UJ	A03
REA	1,2-Dichlorobenzene	390	UG/KG	U	UJ	A03
REA	1,3-Dichlorobenzene	390	UG/KG	U	UJ	A03
REA	1,4-Dichlorobenzene	390	UG/KG	U	UJ	A03
REA	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	UJ	A03
REA	2,4,5-Trichlorophenol	390	UG/KG	U	UJ	A03
REA	2,4,6-Trichlorophenol	390	UG/KG	U	UJ	A03
REA	2,4-Dichlorophenol	390	UG/KG	U	UJ	A03
REA	2,4-Dimethylphenol	390	UG/KG	U	UJ	A03
REA	2,4-Dinitrophenol	940	UG/KG	U	UJ	A03
REA	2,4-Dinitrotoluene	390	UG/KG	U	UJ	A03
REA	2,6-Dinitrotoluene	390	UG/KG	U	UJ	A03
REA	2-Chloronaphthalene	390	UG/KG	U	UJ	A03
REA	2-Chlorophenol	390	UG/KG	U	UJ	A03
REA	2-Methylnaphthalene	390	UG/KG	U	UJ	A03
REA	2-Methylphenol	390	UG/KG	U	UJ	A03
REA	2-Nitroaniline	940	UG/KG	U	UJ	A03
REA	2-Nitrophenol	390	UG/KG	U	UJ	A03
REA	3,3'-Dichlorobenzidine	390	UG/KG	U	UJ	A03
REA	3-Nitroaniline	940	UG/KG	U	UJ	A03
REA	4,6-Dinitro-o-Cresol	940	UG/KG	U	UJ	A03
REA	4-Bromophenyl-phenyl Ether	390	UG/KG	U	UJ	A03
REA	4-Chloroaniline	390	UG/KG	U	UJ	A03
REA	4-Chlorophenyl-phenylether	390	UG/KG	U	UJ	A03
REA	4-Methylphenol	390	UG/KG	U	UJ	A03

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-186 PAD-67 Demolition Area No. 2 SB-17

Northing: 563063.90
 Easting: 2359020.78
 Elevation:

WBGso-186-0927-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	4-Nitroaniline	940	UG/KG	U	UJ	A03
REA	4-Nitrophenol	940	UG/KG	U	UJ	A03
REA	4-chloro-3-methylphenol	390	UG/KG	U	UJ	A03
REA	Acenaphthene	390	UG/KG	U	UJ	A03
REA	Acenaphthylene	390	UG/KG	U	UJ	A03
REA	Anthracene	390	UG/KG	U	UJ	A03
REA	Benzo(a)anthracene	390	UG/KG	U	UJ	A03
REA	Benzo(a)pyrene	390	UG/KG	U	UJ	A03
REA	Benzo(b)fluoranthene	390	UG/KG	U	UJ	A03
REA	Benzo(g,h,i)perylene	390	UG/KG	U	UJ	A03
REA	Benzo(k)fluoranthene	390	UG/KG	U	UJ	A03
REA	Bis(2-chloroethoxy)methane	390	UG/KG	U	UJ	A03
REA	Bis(2-chloroethyl)ether	390	UG/KG	U	UJ	A03
REA	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	UJ	A03
REA	Butyl Benzyl Phthalate	390	UG/KG	U	UJ	A03
REA	Carbazole	390	UG/KG	U	UJ	A03
REA	Chrysene	390	UG/KG	U	UJ	A03
REA	Di-n-butyl Phthalate	390	UG/KG	U	UJ	A03
REA	Di-n-octyl Phthalate	390	UG/KG	U	UJ	A03
REA	Dibenzo(a,h)anthracene	390	UG/KG	U	UJ	A03
REA	Dibenzofuran	390	UG/KG	U	UJ	A03
REA	Diethyl Phthalate	390	UG/KG	U	UJ	A03
REA	Dimethyl Phthalate	390	UG/KG	U	UJ	A03
REA	Fluoranthene	390	UG/KG	U	UJ	A03
REA	Fluorene	390	UG/KG	U	UJ	A03
REA	Hexachlorobenzene	390	UG/KG	U	UJ	A03
REA	Hexachlorobutadiene	390	UG/KG	U	UJ	A03
REA	Hexachlorocyclopentadiene	390	UG/KG	U	UJ	A03
REA	Hexachloroethane	390	UG/KG	U	UJ	A03
REA	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	UJ	A03
REA	Isophorone	390	UG/KG	U	UJ	A03
REA	N-Nitroso-di-n-propylamine	390	UG/KG	U	UJ	A03
REA	N-Nitrosodiphenylamine	390	UG/KG	U	UJ	A03
REA	Naphthalene	390	UG/KG	U	UJ	A03
REA	Nitrobenzene	390	UG/KG	U	UJ	A03
REA	Pentachlorophenol	390	UG/KG	U	UJ	A03
REA	Phenanthrene	390	UG/KG	U	UJ	A03
REA	Phenol	390	UG/KG	U	UJ	A03
REA	Pyrene	390	UG/KG	U	UJ	A03

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	940	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,6-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	940	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	940	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	940	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	U	
REG	4-Chloroaniline	390	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	U	
REG	4-Methylphenol	390	UG/KG	U	U	
REG	4-Nitroaniline	940	UG/KG	U	U	
REG	4-Nitrophenol	940	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-186 PAD-87 Demolition Area No. 2 SB-17

Northing: 563063.90
 Easting: 2359020.78
 Elevation:

WBGso-186-0927-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/08/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	
REG	Anthracene	390	UG/KG	U	U	
REG	Benzo(a)anthracene	390	UG/KG	U	U	
REG	Benzo(a)pyrene	390	UG/KG	U	U	
REG	Benzo(b)fluoranthene	390	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U	U	
REG	Benzo(k)fluoranthene	390	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	390	UG/KG	U	U	
REG	Chrysene	390	UG/KG	U	U	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	U	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	390	UG/KG	U	U	
REG	Fluorene	390	UG/KG	U	U	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	U	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	390	UG/KG	U	U	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	390	UG/KG	U	U	

Northing: 562353.76
 Easting: 2358778.24
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-187 PAD-37

WBGso-187-0940-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/08/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12900	MG/KG		J	F10,E07
REG	Antimony	0.34	MG/KG	B	J	I02
REG	Arsenic	14	MG/KG		=	
REG	Barium	74.3	MG/KG		J	E07
REG	Beryllium	0.5	MG/KG	B	U	F06
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	1330	MG/KG		J	E07
REG	Chromium	17.6	MG/KG		=	
REG	Cobalt	9.5	MG/KG	B	J	
REG	Copper	21.7	MG/KG		J	E07
REG	Iron	24900	MG/KG		J	E07
REG	Lead	11.1	MG/KG		=	
REG	Magnesium	2880	MG/KG		J	E07
REG	Manganese	268	MG/KG		J	E07
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	22.2	MG/KG		J	D05
REG	Potassium	1500	MG/KG		=	
REG	Selenium	0.88	MG/KG		=	
REG	Silver	1.2	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-187 PAD-37

Northing: 562353.76
 Easting: 2368778.24
 Elevation:

WBGso-187-0940-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/08/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sodium	72.1	MG/KG	B	U	F01,F06
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	22.4	MG/KG		J	E07
REG	Zinc	64.2	MG/KG		J	E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.14	MG/KG	J	J	
REG	Tetryl	0.65	MG/KG	U	U	

WBGso-187-0941-FD 2.0 - 4.0 FT Field Sample Type: Field Duplicate Matrix: Subsurface Soil Collected: 06/08/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9370	MG/KG	L	J	F10,E07
REG	Antimony	0.39	MG/KG	B	J	I02
REG	Arsenic	15.9	MG/KG		=	
REG	Barium	46.2	MG/KG	L	J	E07
REG	Beryllium	0.44	MG/KG	B	U	F06
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	871	MG/KG	L	J	E07
REG	Chromium	14.8	MG/KG		=	
REG	Cobalt	10.9	MG/KG	B	J	
REG	Copper	24.1	MG/KG	L	J	E07
REG	Iron	25900	MG/KG	L	J	E07
REG	Lead	12.5	MG/KG		=	
REG	Magnesium	2590	MG/KG	L	J	E07
REG	Manganese	309	MG/KG	L	J	E07
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	21.4	MG/KG		J	D05
REG	Potassium	918	MG/KG		=	
REG	Selenium	0.64	MG/KG		=	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	61.9	MG/KG	B	U	F01,F06
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	15.6	MG/KG	L	J	E07
REG	Zinc	65.7	MG/KG	L	J	E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.14	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-188 PAD-70 center of burn area

Northing: 563053.72
 Easting: 2360373.42
 Elevation:

WBGso-188-0918-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12300	MG/KG		=	
REG	Antimony	0.63	MG/KG	U	UJ	102
REG	Arsenic	11.2	MG/KG		=	
REG	Barium	80.6	MG/KG		=	
REG	Beryllium	0.45	MG/KG	B	J	
REG	Cadmium	0.63	MG/KG	U	U	
REG	Calcium	8050	MG/KG		=	
REG	Chromium	15.9	MG/KG		=	
REG	Cobalt	9.8	MG/KG	B	J	
REG	Copper	16.5	MG/KG		=	
REG	Iron	22000	MG/KG	MBB	=	
REG	Lead	18.8	MG/KG		J	
REG	Magnesium	3320	MG/KG		=	
REG	Manganese	818	MG/KG		J	D04
REG	Mercury	0.077	MG/KG	B	U	F01,F06
REG	Nickel	19.3	MG/KG		=	
REG	Potassium	1110	MG/KG		=	
REG	Selenium	0.63	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	88.4	MG/KG	B	U	F01,F06
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	23.5	MG/KG		=	
REG	Zinc	70.5	MG/KG	MBB	J	E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.73	MG/KG		=	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.14	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	U	
REG	RDX	0.6	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-189 PAD-70-1

Northing: 563082.72
 Easting: 2360358.42
 Elevation:

WBGso-189-0919-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11600	MG/KG		=	
REG	Antimony	0.61	MG/KG	U	UJ	102
REG	Arsenic	10.4	MG/KG		=	
REG	Barium	61.8	MG/KG		=	
REG	Beryllium	0.45	MG/KG	B	J	
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	10700	MG/KG		=	
REG	Chromium	15.4	MG/KG		=	
REG	Cobalt	8.8	MG/KG	B	J	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-189 PAD-70-1

Northing: 563082.72
 Easting: 2360368.42
 Elevation:

WBGso-189-0919-SO 2.0 - 4.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Copper	19.5	MG/KG	=		
REG	Iron	21200	MG/KG	MBB	=	
REG	Lead	15.3	MG/KG	=		
REG	Magnesium	3610	MG/KG	=		
REG	Manganese	489	MG/KG	J		D04
REG	Mercury	0.049	MG/KG	B	U	F01,F06
REG	Nickel	20.3	MG/KG	=		
REG	Potassium	1080	MG/KG	=		
REG	Selenium	0.81	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	86.7	MG/KG	B	U	F01,F06
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	20.3	MG/KG	=		
REG	Zinc	76.9	MG/KG	MBB	J	E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.043	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-190 PAD-70-2

Northing: 563082.72
 Easting: 2360328.42
 Elevation:

WBGso-190-0920-SO 2.0 - 4.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	940	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,6-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	940	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	940	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	940	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	U	
REG	4-Chloroaniline	390	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	U	
REG	4-Methylphenol	390	UG/KG	U	U	
REG	4-Nitroaniline	940	UG/KG	U	U	
REG	4-Nitrophenol	940	UG/KG	U	U	
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-190 PAD-70-2

Northing: 563062.72
 Easting: 2360328.42
 Elevation:

WBGso-190-0920-SO 2.0 - 4.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Anthracene	98	UG/KG	J	J	
REG	Benzo(a)anthracene	480	UG/KG		=	
REG	Benzo(a)pyrene	500	UG/KG		=	
REG	Benzo(b)fluoranthene	700	UG/KG		=	
REG	Benzo(g,h,i)perylene	310	UG/KG	J	J	
REG	Benzo(k)fluoranthene	290	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	86	UG/KG	J	J	
REG	Chrysene	560	UG/KG		=	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	76	UG/KG	J	J	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	1200	UG/KG		=	
REG	Fluorene	390	UG/KG	U	U	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	370	UG/KG	J	J	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	530	UG/KG		=	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	910	UG/KG		=	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.9	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.9	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.9	UG/KG	U	U	
REG	1,1-Dichloroethane	5.9	UG/KG	U	U	
REG	1,1-Dichloroethene	5.9	UG/KG	U	U	
REG	1,2-Dichloroethane	5.9	UG/KG	U	U	
REG	1,2-Dichloroethene	5.9	UG/KG	U	U	
REG	1,2-Dichloropropane	5.9	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.9	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.9	UG/KG	U	U	
REG	2-Butanone	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	U	
REG	Benzene	5.9	UG/KG	U	U	
REG	Bromodichloromethane	5.9	UG/KG	U	U	
REG	Bromoform	5.9	UG/KG	U	U	
REG	Bromomethane	12	UG/KG	U	U	
REG	Carbon Disulfide	5.9	UG/KG	U	U	
REG	Carbon Tetrachloride	5.9	UG/KG	U	U	
REG	Chlorobenzene	5.9	UG/KG	U	U	
REG	Chloroethane	12	UG/KG	U	U	
REG	Chloroform	5.9	UG/KG	U	U	
REG	Chloromethane	12	UG/KG	U	U	
REG	Dibromochloromethane	5.9	UG/KG	U	U	
REG	Ethylbenzene	5.9	UG/KG	U	U	
REG	Methylene Chloride	5.9	UG/KG	U	U	
REG	Styrene	5.9	UG/KG	U	U	
REG	Tetrachloroethene	5.9	UG/KG	U	U	
REG	Toluene	2.7	UG/KG	J	J	
REG	Trichloroethene	5.9	UG/KG	U	U	
REG	Vinyl Chloride	12	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBG&o-190 PAD-70-2

Northing: 563062.72
 Easting: 2360328.42
 Elevation:

WBG&o-190-0920-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab Data	Validation Code
REG	Xylenes, Total	5.9	UG/KG	U U	

WBG&o-190-0930-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab Data	Validation Code
REG	1,2,4-Trichlorobenzene	390	UG/KG	U U	
REG	1,2-Dichlorobenzene	390	UG/KG	U U	
REG	1,3-Dichlorobenzene	390	UG/KG	U U	
REG	1,4-Dichlorobenzene	390	UG/KG	U U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U U	
REG	2,4-Dichlorophenol	390	UG/KG	U U	
REG	2,4-Dimethylphenol	390	UG/KG	U U	
REG	2,4-Dinitrophenol	950	UG/KG	U U	
REG	2,4-Dinitrotoluene	390	UG/KG	U U	
REG	2,6-Dinitrotoluene	390	UG/KG	U U	
REG	2-Chloronaphthalene	390	UG/KG	U U	
REG	2-Chlorophenol	390	UG/KG	U U	
REG	2-Methylnaphthalene	390	UG/KG	U U	
REG	2-Methylphenol	390	UG/KG	U U	
REG	2-Nitroaniline	950	UG/KG	U U	
REG	2-Nitrophenol	390	UG/KG	U U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U U	
REG	3-Nitroaniline	950	UG/KG	U U	
REG	4,6-Dinitro-o-Cresol	950	UG/KG	U U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U U	
REG	4-Chloroaniline	390	UG/KG	U U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U U	
REG	4-Methylphenol	390	UG/KG	U U	
REG	4-Nitroaniline	950	UG/KG	U U	
REG	4-Nitrophenol	950	UG/KG	U U	
REG	4-chloro-3-methylphenol	390	UG/KG	U U	
REG	Acenaphthene	390	UG/KG	U U	
REG	Acenaphthylene	390	UG/KG	U U	
REG	Anthracene	390	UG/KG	U U	
REG	Benzo(a)anthracene	390	UG/KG	U U	
REG	Benzo(a)pyrene	390	UG/KG	U U	
REG	Benzo(b)fluoranthene	390	UG/KG	U U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U U	
REG	Benzo(k)fluoranthene	390	UG/KG	U U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U U	
REG	Carbazole	390	UG/KG	U U	
REG	Chrysene	390	UG/KG	U U	
REG	Di-n-butyl Phthalate	390	UG/KG	U U	
REG	Di-n-octyl Phthalate	390	UG/KG	U U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U U	
REG	Dibenzofuran	390	UG/KG	U U	
REG	Diethyl Phthalate	390	UG/KG	U U	
REG	Dimethyl Phthalate	390	UG/KG	U U	
REG	Fluoranthene	390	UG/KG	U U	
REG	Fluorene	390	UG/KG	U U	
REG	Hexachlorobenzene	390	UG/KG	U U	
REG	Hexachlorobutadiene	390	UG/KG	U U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U U	
REG	Hexachloroethane	390	UG/KG	U U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U U	
REG	Isophorone	390	UG/KG	U U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U U	
REG	Naphthalene	390	UG/KG	U U	
REG	Nitrobenzene	390	UG/KG	U U	
REG	Pentachlorophenol	390	UG/KG	U U	
REG	Phenanthrene	390	UG/KG	U U	
REG	Phenol	390	UG/KG	U U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-190 PAD-70-2

Northing: 563062.72
 Easting: 2360328.42
 Elevation:

WBGso-190-0930-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Pyrene	390	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.9	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.9	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.9	UG/KG	U	U	
REG	1,1-Dichloroethane	5.9	UG/KG	U	U	
REG	1,1-Dichloroethene	5.9	UG/KG	U	U	
REG	1,2-Dichloroethane	5.9	UG/KG	U	U	
REG	1,2-Dichloroethene	5.9	UG/KG	U	U	
REG	1,2-Dichloropropane	5.9	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.9	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.9	UG/KG	U	U	
REG	2-Butanone	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	U	
REG	Benzene	5.9	UG/KG	U	U	
REG	Bromodichloromethane	5.9	UG/KG	U	U	
REG	Bromoform	5.9	UG/KG	U	U	
REG	Bromomethane	12	UG/KG	U	U	
REG	Carbon Disulfide	5.9	UG/KG	U	U	
REG	Carbon Tetrachloride	5.9	UG/KG	U	U	
REG	Chlorobenzene	5.9	UG/KG	U	U	
REG	Chloroethane	12	UG/KG	U	U	
REG	Chloroform	5.9	UG/KG	U	U	
REG	Chloromethane	12	UG/KG	U	U	
REG	Dibromochloromethane	5.9	UG/KG	U	U	
REG	Ethylbenzene	5.9	UG/KG	U	U	
REG	Methylene Chloride	5.9	UG/KG	U	U	
REG	Styrene	5.9	UG/KG	U	U	
REG	Tetrachloroethene	5.9	UG/KG	U	U	
REG	Toluene	1.2	UG/KG	J	J	
REG	Trichloroethene	5.9	UG/KG	U	U	
REG	Vinyl Chloride	12	UG/KG	U	U	
REG	Xylenes, Total	5.9	UG/KG	U	U	

WBGso-190-0931-FD 4.0 - 6.0 FT Field Sample Type: Field Duplicate Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	940	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,6-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	940	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	940	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	940	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Et2PM0PE)A,LLrA~A,LLqA,PM2R980	940	UG/KG	U	U	
REG	4-Nitroaniline	940	UG/KG	U	U	
REG	4-Nitrophenol	940	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-190 PAD-70-2

Northing: 563062.72
 Easting: 2360328.42
 Elevation:

WBGso-190-0931-FD 4.0 - 6.0 FT

Field Sample Type: Field Duplicate

Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	
REG	Anthracene	390	UG/KG	U	U	
REG	Benzo(a)anthracene	390	UG/KG	U	U	
REG	Benzo(a)pyrene	390	UG/KG	U	U	
REG	Benzo(b)fluoranthene	390	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U	U	
REG	Benzo(k)fluoranthene	390	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	390	UG/KG	U	U	
REG	Chrysene	390	UG/KG	U	U	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	U	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	390	UG/KG	U	U	
REG	Fluorene	390	UG/KG	U	U	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	U	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	390	UG/KG	U	U	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	390	UG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGso-191 PAD-70-3

Northing: 563094.72
 Easting: 2360283.42
 Elevation:

WBGso-191-0921-SO 2.0 - 4.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	410	UG/KG	U	U	
REG	1,2-Dichlorobenzene	410	UG/KG	U	U	
REG	1,3-Dichlorobenzene	410	UG/KG	U	U	
REG	1,4-Dichlorobenzene	410	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	410	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	410	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	410	UG/KG	U	U	
REG	2,4-Dichlorophenol	410	UG/KG	U	U	
REG	2,4-Dimethylphenol	410	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	410	UG/KG	U	U	
REG	2,6-Dinitrotoluene	410	UG/KG	U	U	
REG	2-Chloronaphthalene	410	UG/KG	U	U	
REG	2-Chlorophenol	410	UG/KG	U	U	
REG	2-Methylnaphthalene	410	UG/KG	U	U	
REG	2-Methylphenol	410	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	410	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	410	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	410	UG/KG	U	U	
REG	4-Chloroaniline	410	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	410	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
Station: WBGso-191 PAD-70-3

Northing: 563094.72
Easting: 2360283.42
Elevation:

WBGso-191-0921-SO 2.0 - 4.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 06/08/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4-Methylphenol	410	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	U	
REG	4-chloro-3-methylphenol	410	UG/KG	U	U	
REG	Acenaphthene	410	UG/KG	U	U	
REG	Acenaphthylene	410	UG/KG	U	U	
REG	Anthracene	410	UG/KG	U	U	
REG	Benzo(a)anthracene	51	UG/KG	J	J	
REG	Benzo(a)pyrene	60	UG/KG	J	J	
REG	Benzo(b)fluoranthene	78	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	410	UG/KG	U	U	
REG	Benzo(k)fluoranthene	410	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	410	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	410	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	410	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	410	UG/KG	U	U	
REG	Carbazole	410	UG/KG	U	U	
REG	Chrysene	62	UG/KG	J	J	
REG	Di-n-butyl Phthalate	410	UG/KG	U	U	
REG	Di-n-octyl Phthalate	410	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	410	UG/KG	U	U	
REG	Dibenzofuran	410	UG/KG	U	U	
REG	Diethyl Phthalate	410	UG/KG	U	U	
REG	Dimethyl Phthalate	410	UG/KG	U	U	
REG	Fluoranthene	110	UG/KG	J	J	
REG	Fluorene	410	UG/KG	U	U	
REG	Hexachlorobenzene	410	UG/KG	U	U	
REG	Hexachlorobutadiene	410	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	410	UG/KG	U	U	
REG	Hexachloroethane	410	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	410	UG/KG	U	U	
REG	Isophorone	410	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	410	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	410	UG/KG	U	U	
REG	Naphthalene	410	UG/KG	U	U	
REG	Nitrobenzene	410	UG/KG	U	U	
REG	Pentachlorophenol	410	UG/KG	U	U	
REG	Phenanthrene	410	UG/KG	U	U	
REG	Phenol	410	UG/KG	U	U	
REG	Pyrene	83	UG/KG	J	J	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	6.2	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.2	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.2	UG/KG	U	U	
REG	1,1-Dichloroethane	6.2	UG/KG	U	U	
REG	1,1-Dichloroethene	6.2	UG/KG	U	U	
REG	1,2-Dichloroethane	6.2	UG/KG	U	U	
REG	1,2-Dichloroethene	6.2	UG/KG	U	U	
REG	1,2-Dichloropropane	6.2	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.2	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.2	UG/KG	U	U	
REG	2-Butanone	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	U	
REG	Benzene	6.2	UG/KG	U	U	
REG	Bromodichloromethane	6.2	UG/KG	U	U	
REG	Bromoform	6.2	UG/KG	U	U	
REG	Bromomethane	12	UG/KG	U	U	
REG	Carbon Disulfide	6.2	UG/KG	U	U	
REG	Carbon Tetrachloride	6.2	UG/KG	U	U	
REG	Chlorobenzene	6.2	UG/KG	U	U	
REG	Chloroethane	12	UG/KG	U	U	
REG	Chloroform	6.2	UG/KG	U	U	
REG	Chloromethane	12	UG/KG	U	U	
REG	Dibromochloromethane	6.2	UG/KG	U	U	
REG	Ethylbenzene	6.2	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-191 PAD-70-3

Northing: 563094.72
 Easting: 2360283.42
 Elevation:

WBGso-191-0921-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Methylene Chloride	6.2	UG/KG	U	U	
REG	Styrene	6.2	UG/KG	U	U	
REG	Tetrachloroethene	6.2	UG/KG	U	U	
REG	Toluene	0.43	UG/KG	J	J	
REG	Trichloroethene	6.2	UG/KG	U	U	
REG	Vinyl Chloride	12	UG/KG	U	U	
REG	Xylenes, Total	6.2	UG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-192 PAD-70-4

Northing: 563117.30
 Easting: 2360282.00
 Elevation:

WBGso-192-0922-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	960	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	960	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	960	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	960	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	960	UG/KG	U	U	
REG	4-Nitrophenol	960	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	400	UG/KG	U	U	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	400	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	400	UG/KG	U	U	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	400	UG/KG	U	U	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-192 PAD-70-4

Northing: 563117.30
 Easting: 2360282.00
 Elevation:

WBGso-192-0922-SO 2.0 - 4.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	400	UG/KG	U	U	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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-Dichloropropane	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	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	52	UG/KG		J	C05
REG	Benzene	6	UG/KG	U	U	
REG	Bromodichloromethane	6	UG/KG	U	U	
REG	Bromoform	6	UG/KG	U	U	
REG	Bromomethane	12	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	12	UG/KG	U	U	
REG	Chloroform	6	UG/KG	U	U	
REG	Chloromethane	12	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	2.5	UG/KG	J	J	
REG	Trichloroethene	6	UG/KG	U	U	
REG	Vinyl Chloride	12	UG/KG	U	U	
REG	Xylenes, Total	6	UG/KG	U	U	

WBGso-192-0929-SO 4.0 - 6.0 FT

Field Sample Type: Grab

Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	960	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	960	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-192 PAD-70-4

Northing: 563117.30
 Easting: 2380282.00
 Elevation:

WBGso-192-0929-SO 4.0 - 6.0 FT

Field Sample Type: Grab Matrix: Subsurface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	960	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	960	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	960	UG/KG	U	U	
REG	4-Nitrophenol	960	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	400	UG/KG	U	U	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	400	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	400	UG/KG	U	U	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	400	UG/KG	U	U	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	400	UG/KG	U	U	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG	U	U	

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-Dichloropropane	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	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	U	F02,F07
REG	Benzene	6	UG/KG	U	U	
REG	Bromodichloromethane	6	UG/KG	U	U	
REG	Bromoform	6	UG/KG	U	U	
REG	Bromomethane	12	UG/KG	U	U	
REG	Carbon Disulfide	6	UG/KG	U	U	
REG	Carbon Tetrachloride	6	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-192 PAD-70-4

Northing: 563117.30
 Easting: 2360282.00
 Elevation:

WBGso-192-0929-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/08/98

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chlorobenzene	6	UG/KG	U	U	
REG	Chloroethane	12	UG/KG	U	U	
REG	Chloroform	6	UG/KG	U	U	
REG	Chloromethane	12	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	8	UG/KG	U	U	
REG	Toluene	6	UG/KG	U	U	
REG	Trichloroethane	6	UG/KG	U	U	
REG	Vinyl Chloride	12	UG/KG	U	U	
REG	Xylenes, Total	6	UG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-196 PAD-61A

Northing: 562978.50
 Easting: 2356591.00
 Elevation:

WBGso-196-0943-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/08/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.84	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12500	MG/KG		J	F10,E07
REG	Antimony	0.47	MG/KG	B	J	I02
REG	Arsenic	13.5	MG/KG		=	
REG	Barium	75.6	MG/KG		J	E07
REG	Beryllium	0.44	MG/KG	B	U	F06
REG	Cadmium	11.9	MG/KG		=	
REG	Calcium	2910	MG/KG		J	E07
REG	Chromium	19.6	MG/KG		=	
REG	Cobalt	13.2	MG/KG	B	J	
REG	Copper	27.6	MG/KG		J	E07
REG	Iron	28000	MG/KG		J	E07
REG	Lead	38	MG/KG		=	
REG	Magnesium	4100	MG/KG		J	E07
REG	Manganese	502	MG/KG		J	E07
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	31.2	MG/KG		J	D05
REG	Potassium	2130	MG/KG		=	
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	151	MG/KG	B	J	
REG	Thallium	1.1	MG/KG		=	
REG	Vanadium	21.1	MG/KG		J	E07
REG	Zinc	84.1	MG/KG		J	E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.044	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.033	MG/KG	J	J	F08
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-100 PAD-05-1 NW quadrant of pad

Northing: 561635.09
 Easting: 2356304.74
 Elevation:

WBGss-100-0689-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.83	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9730	MG/KG		=	
REG	Antimony	0.63	MG/KG	U	UJ	I02
REG	Arsenic	13.1	MG/KG		J	I02
REG	Barium	80.7	MG/KG		J	I02
REG	Beryllium	0.53	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.63	MG/KG	U	UJ	I02
REG	Calcium	12900	MG/KG		J	E07
REG	Chromium	12.8	MG/KG		J	I02
REG	Cobalt	7.2	MG/KG	B	J	I02
REG	Copper	17.1	MG/KG		J	I01
REG	Iron	20600	MG/KG		=	
REG	Lead	16.8	MG/KG		J	I02
REG	Magnesium	1910	MG/KG		J	I03
REG	Manganese	355	MG/KG		J	E07
REG	Mercury	0.025	MG/KG	B	J	
REG	Nickel	16.4	MG/KG		J	D05,I02,E07
REG	Potassium	982	MG/KG		J	I02
REG	Selenium	0.63	MG/KG	U	UJ	I02
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	43.4	MG/KG	B	U	F01,F06
REG	Thallium	0.63	MG/KG	U	UJ	D05,I02
REG	Vanadium	18.4	MG/KG		=	
REG	Zinc	59.5	MG/KG		J	E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-101 PAD-05-2 NE of quadrant of pad

Northing: 561630.90
 Easting: 2356356.57
 Elevation:

WBGss-101-0690-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12800	MG/KG		=	
REG	Antimony	0.63	MG/KG	U	UJ	I02
REG	Arsenic	15.3	MG/KG		J	I02
REG	Barium	76.8	MG/KG		J	I02
REG	Beryllium	0.62	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.63	MG/KG	U	UJ	I02
REG	Calcium	8990	MG/KG		J	E07
REG	Chromium	17.4	MG/KG		J	I02
REG	Cobalt	8.5	MG/KG	B	J	I02
REG	Copper	22.5	MG/KG		J	I01
REG	Iron	25600	MG/KG		=	
REG	Lead	20.5	MG/KG		J	I02
REG	Magnesium	2530	MG/KG		J	I03
REG	Manganese	334	MG/KG		J	E07
REG	Mercury	0.036	MG/KG	B	J	
REG	Nickel	22.3	MG/KG		J	D05,I02,E07
REG	Potassium	1380	MG/KG		J	I02
REG	Selenium	0.63	MG/KG	U	UJ	I02
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	59	MG/KG	B	U	F01,F06
REG	Thallium	0.63	MG/KG	U	UJ	D05,I02
REG	Vanadium	22.7	MG/KG		=	
REG	Zinc	66.7	MG/KG		J	E07

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-102 PAD-05-3 S half of pad

Northing: 561585.15
 Easting: 2356325.14
 Elevation:

WBGss-102-0691-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	8260	MG/KG		=	
REG	Antimony	0.59	MG/KG	U	UJ	102
REG	Arsenic	13.9	MG/KG		J	102
REG	Barium	26.7	MG/KG		UJ	F07,102
REG	Beryllium	0.41	MG/KG	B	J	102,E07
REG	Cadmium	0.59	MG/KG	U	UJ	102
REG	Calcium	992	MG/KG		J	E07
REG	Chromium	10.2	MG/KG		J	102
REG	Cobalt	5.7	MG/KG	B	J	102
REG	Copper	18.3	MG/KG		J	101
REG	Iron	16700	MG/KG		=	
REG	Lead	13.7	MG/KG		J	102
REG	Magnesium	1410	MG/KG		J	103
REG	Manganese	261	MG/KG		J	E07
REG	Mercury	0.028	MG/KG	B	J	
REG	Nickel	14.6	MG/KG		J	D05,102,E07
REG	Potassium	782	MG/KG		J	102
REG	Selenium	0.59	MG/KG	U	UJ	102
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	28.2	MG/KG	B	U	F01,F06
REG	Thallium	0.59	MG/KG	U	UJ	D05,102
REG	Vanadium	14.3	MG/KG		=	
REG	Zinc	48.6	MG/KG		J	E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.085	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.074	MG/KG	J	J	
REG	3-Nitrotoluene	0.091	MG/KG	J	J	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.6	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-103 PAD-06-1 NW quadrant of pad

Northing: 561644.39
 Easting: 2356707.22
 Elevation:

WBGss-103-0692-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9830	MG/KG		=	
REG	Antimony	0.63	MG/KG	U	UJ	102
REG	Arsenic	9.4	MG/KG		J	102
REG	Barium	48.4	MG/KG		J	102
REG	Beryllium	0.39	MG/KG	B	UJ	F06,102
REG	Cadmium	0.63	MG/KG	U	UJ	102
REG	Calcium	4660	MG/KG		J	E07
REG	Chromium	12.9	MG/KG		J	102
REG	Cobalt	6.3	MG/KG	B	J	102
REG	Copper	12.5	MG/KG		J	101

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-103 PAD-06-1 NW quadrant of pad

Northing: 561644.39
 Easting: 2356707.22
 Elevation:

WBGss-103-0692-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Iron	18700	MG/KG	=		
REG	Lead	15.9	MG/KG	J		I02
REG	Magnesium	1810	MG/KG	J		I03
REG	Manganese	388	MG/KG	J		E07
REG	Mercury	0.035	MG/KG	B	J	
REG	Nickel	13.8	MG/KG	J		D05,I02,E07
REG	Potassium	582	MG/KG	B	J	I02
REG	Selenium	0.63	MG/KG	U	UJ	I02
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	45.3	MG/KG	B	U	F01,F08
REG	Thallium	0.63	MG/KG	U	UJ	D05,I02
REG	Vanadium	19.2	MG/KG	=		
REG	Zinc	67.2	MG/KG	J		E07

WBGss-103-0873-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.62	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12800	MG/KG	=		
REG	Antimony	0.62	MG/KG	U	UJ	I02
REG	Arsenic	12.6	MG/KG	J		I02
REG	Barium	42.9	MG/KG	J		I02
REG	Beryllium	0.4	MG/KG	B	UJ	F08,I02
REG	Cadmium	0.62	MG/KG	U	UJ	I02
REG	Calcium	1680	MG/KG	J		E07
REG	Chromium	16.5	MG/KG	J		I02
REG	Cobalt	5.5	MG/KG	B	J	I02
REG	Copper	14	MG/KG	J		I01
REG	Iron	22700	MG/KG	=		
REG	Lead	12.3	MG/KG	J		I02
REG	Magnesium	2110	MG/KG	J		I03
REG	Manganese	211	MG/KG	J		E07
REG	Mercury	0.03	MG/KG	B	J	
REG	Nickel	13	MG/KG	J		D05,I02,E07
REG	Potassium	792	MG/KG	J		I02
REG	Selenium	1.2	MG/KG	J		I02
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	37.2	MG/KG	B	U	F01,F08
REG	Thallium	0.62	MG/KG	U	UJ	D05,I02
REG	Vanadium	24.2	MG/KG	=		
REG	Zinc	39.1	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-104 PAD-06-2 NE quadrant of pad

Northing: 561640.85
 Easting: 2356751.05
 Elevation:

WBGss-104-0693-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10400	MG/KG	=		
REG	Antimony	0.61	MG/KG	U	UJ	I02
REG	Arsenic	9.8	MG/KG	J		I02
REG	Barium	41.5	MG/KG	J		I02
REG	Beryllium	0.26	MG/KG	B	UJ	F08,I02
REG	Cadmium	0.61	MG/KG	U	UJ	I02
REG	Calcium	1260	MG/KG	J		E07
REG	Chromium	12.1	MG/KG	J		I02
REG	Cobalt	7	MG/KG	B	J	I02
REG	Copper	12.5	MG/KG	J		I01
REG	Iron	15000	MG/KG	=		

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
Station: WBGss-104 PAD-06-2 NE quadrant of pad

Northing: 561640.85
Easting: 2356751.05
Elevation:

WBGss-104-0693-SO 0.0 - 1.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Lead	12.7	MG/KG	J		I02
REG	Magnesium	1670	MG/KG	J		I03
REG	Manganese	274	MG/KG	J		E07
REG	Mercury	0.026	MG/KG	B	J	
REG	Nickel	14.2	MG/KG	J		D05,I02,E07
REG	Potassium	737	MG/KG	J		I02
REG	Selenium	0.61	MG/KG	U	UJ	I02
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	40.2	MG/KG	B	U	F01,F06
REG	Thallium	0.61	MG/KG	U	UJ	D05,I02
REG	Vanadium	19.8	MG/KG	=		
REG	Zinc	46.7	MG/KG	J		E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A01,A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,8-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	970	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	970	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	970	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	970	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	970	UG/KG	U	U	
REG	4-Nitrophenol	970	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	400	UG/KG	U	U	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	400	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-104 PAD-06-2 NE quadrant of pad

Northing: 561640.85
 Easting: 2356751.06
 Elevation:

WBGss-104-0693-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	400	UG/KG	U	U	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	400	UG/KG	U	U	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	400	UG/KG	U	U	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	400	UG/KG	U	U	

Northing: 561587.49
 Easting: 2356719.44
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-105 PAD-06-3 S half of pad

WBGss-105-0694-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.83	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	12600	MG/KG		=	
REG	Antimony	0.63	MG/KG	U	UJ	I02
REG	Arsenic	11.9	MG/KG		J	I02
REG	Barium	75.5	MG/KG		J	I02
REG	Beryllium	0.5	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.63	MG/KG	U	UJ	I02
REG	Calcium	3250	MG/KG		J	E07
REG	Chromium	18.1	MG/KG		J	I02
REG	Cobalt	8.9	MG/KG	B	J	I02
REG	Copper	17.3	MG/KG		J	I01
REG	Iron	21200	MG/KG		=	
REG	Lead	19.5	MG/KG		J	I02
REG	Magnesium	2340	MG/KG		J	I03
REG	Manganese	842	MG/KG		J	E07
REG	Mercury	0.088	MG/KG	B	J	
REG	Nickel	19.7	MG/KG		J	D05,I02,E07
REG	Potassium	1040	MG/KG		J	I02
REG	Selenium	0.63	MG/KG	U	UJ	I02
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	45.8	MG/KG	B	U	F01,F06
REG	Thallium	0.63	MG/KG	U	UJ	D05,I02
REG	Vanadium	23.7	MG/KG		=	
REG	Zinc	59.9	MG/KG		J	E07

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-106 PAD-37-1 15 ft NW of pad

Northing: 562405.45
 Easting: 2358652.52
 Elevation:

WBGss-106-0695-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	22500	MG/KG	=		
REG	Antimony	0.61	MG/KG	U	UJ	102
REG	Arsenic	6.1	MG/KG	J		102
REG	Barium	250	MG/KG	J		102
REG	Beryllium	3.4	MG/KG	J		102,E07
REG	Cadmium	0.82	MG/KG	J		102
REG	Calcium	111000	MG/KG	J		E07
REG	Chromium	17.5	MG/KG	J		102
REG	Cobalt	3.5	MG/KG	B	J	102
REG	Copper	10.6	MG/KG	J		101
REG	Iron	9450	MG/KG	=		
REG	Lead	16.1	MG/KG	J		102
REG	Magnesium	16700	MG/KG	J		103
REG	Manganese	3150	MG/KG	J		E07
REG	Mercury	0.026	MG/KG	B	J	
REG	Nickel	22.6	MG/KG	J		D05,102,E07
REG	Potassium	2210	MG/KG	J		102
REG	Selenium	0.61	MG/KG	U	UJ	102
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	997	MG/KG	=		
REG	Thallium	0.61	MG/KG	U	UJ	D05,102
REG	Vanadium	11.2	MG/KG	=		
REG	Zinc	37.6	MG/KG	J		E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	F01,F06
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.5	MG/KG	U	U	
REG	Nitrobenzene	0.064	MG/KG	J	J	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

WBGss-106-0871-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	17000	MG/KG	=		
REG	Antimony	0.36	MG/KG	B	J	102
REG	Arsenic	6.9	MG/KG	J		102
REG	Barium	203	MG/KG	J		102
REG	Beryllium	2.7	MG/KG	L	J	102,E07
REG	Cadmium	0.68	MG/KG	J		102
REG	Calcium	81000	MG/KG	L	J	E07
REG	Chromium	14.7	MG/KG	J		102
REG	Cobalt	5.1	MG/KG	B	J	102
REG	Copper	13.3	MG/KG	J		101
REG	Iron	12500	MG/KG	=		
REG	Lead	17.9	MG/KG	J		102
REG	Magnesium	17100	MG/KG	J		103
REG	Manganese	1680	MG/KG	L	J	E07
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	14.3	MG/KG	J		D05,102,E07

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-106 PAD-37-1 15 ft NW of pad

Northing: 562406.45
 Easting: 2358652.52
 Elevation:

WBGss-106-0871-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Potassium	1140	MG/KG	J		I02
REG	Selenium	0.59	MG/KG	U	UJ	I02
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	592	MG/KG	=		
REG	Thallium	0.59	MG/KG	U	UJ	D05,I02
REG	Vanadium	15.5	MG/KG	=		
REG	Zinc	46.8	MG/KG	L	J	E07

Northing: 562312.69
 Easting: 2358766.50
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-107 PAD-37-2 15 ft SE of pad

WBGss-107-0696-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14600	MG/KG	=		
REG	Antimony	2.5	MG/KG	J		I02
REG	Arsenic	13	MG/KG	J		I02
REG	Barium	115	MG/KG	J		I02
REG	Beryllium	1.1	MG/KG	J		I02,E07
REG	Cadmium	15.9	MG/KG	J		I02
REG	Calcium	31700	MG/KG	J		E07
REG	Chromium	19	MG/KG	J		I02
REG	Chromium	6.3	MG/KG	B	J	I02
REG	Cobalt	58	MG/KG	J		I01
REG	Copper	19800	MG/KG	=		
REG	Iron	1490	MG/KG	J		I02
REG	Lead	5940	MG/KG	J		I03
REG	Magnesium	874	MG/KG	J		E07
REG	Manganese	0.025	MG/KG	B	J	
REG	Mercury	17.1	MG/KG	J		D05,I02,E07
REG	Nickel	1410	MG/KG	J		I02
REG	Potassium	0.6	MG/KG	U	UJ	I02
REG	Selenium	1.2	MG/KG	U	U	
REG	Silver	288	MG/KG	B	J	
REG	Sodium	0.6	MG/KG	U	UJ	D05,I02
REG	Thallium	20.4	MG/KG	=		
REG	Vanadium	171	MG/KG	J		E07
REG	Zinc					

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.14	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1.5	MG/KG	=		
REG	2,4-Dinitrotoluene	0.3	MG/KG	=		
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U		F01,F06
REG	3-Nitrotoluene	0.12	MG/KG	J	J	
REG	4-Nitrotoluene	0.18	MG/KG	J	J	
REG	HMX	1.2	MG/KG	=		F08
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	177	MG/KG	J		A01,A05
REG	Nitroglycerin	5.5	MG/KG	=		
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	2.4	MG/KG	=		
REG	Tetryl	0.65	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-108 PAD-38-1 N half of pad

Northing: 562364.20
 Easting: 2359061.00
 Elevation:

WBGss-108-0697-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12000	MG/KG	=		
REG	Antimony	0.63	MG/KG	U	UJ	I02
REG	Arsenic	18.1	MG/KG	J		I02
REG	Barium	70.7	MG/KG	J		I02
REG	Beryllium	0.54	MG/KG	B	UJ	F07,I02
REG	Cadmium	0.63	MG/KG	U	UJ	I02
REG	Calcium	1090	MG/KG	J		E07
REG	Chromium	16.5	MG/KG	J		I02
REG	Cobalt	8.3	MG/KG	B	J	I02
REG	Copper	18.9	MG/KG	J		I01
REG	Iron	25100	MG/KG	=		
REG	Lead	18.3	MG/KG	J		I02
REG	Magnesium	2610	MG/KG	J		I03
REG	Manganese	278	MG/KG	J		E07
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	20.5	MG/KG	J		D05,I02,E07
REG	Potassium	1060	MG/KG	J		I02
REG	Selenium	0.63	MG/KG	U	UJ	I02
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	47.3	MG/KG	B	U	F01,F06
REG	Thallium	0.63	MG/KG	U	UJ	D05,I02
REG	Vanadium	20.7	MG/KG	=		
REG	Zinc	70.5	MG/KG	J		E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.057	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG	U		F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A01,A05
REG	Nitroglycerin	2.6	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-109 PAD-38-2 S half of pad

Northing: 662308.92
 Easting: 2359111.22
 Elevation:

WBGss-109-0698-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.67	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12800	MG/KG	=		
REG	Antimony	1.3	MG/KG	J		I02
REG	Arsenic	12.6	MG/KG	J		I02
REG	Barium	136	MG/KG	J		I02
REG	Beryllium	0.43	MG/KG	B	UJ	F06,I02
REG	Cadmium	3.3	MG/KG	J		I02
REG	Calcium	3310	MG/KG	J		E07
REG	Chromium	21.9	MG/KG	J		I02
REG	Cobalt	9	MG/KG	B	J	I02
REG	Copper	82	MG/KG	J		I01

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-109 PAD-38-2 S half of pad

Northing: 562308.92
 Easting: 2359111.22
 Elevation:

WBGss-109-0698-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Iron	24100	MG/KG	=		
REG	Lead	300	MG/KG	J		I02
REG	Magnesium	2070	MG/KG	J		I03
REG	Manganese	628	MG/KG	J		E07
REG	Mercury	0.034	MG/KG	B	J	
REG	Nickel	21.2	MG/KG	J		D05,I02,E07
REG	Potassium	1070	MG/KG	J		I02
REG	Selenium	0.87	MG/KG	U	UJ	I02
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	64	MG/KG	B	U	F01,F06
REG	Thallium	0.67	MG/KG	U	UJ	D05
REG	Vanadium	22.5	MG/KG	=		
REG	Zinc	877	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-110 PAD-38-3 5 ft E of pad

Northing: 562364.20
 Easting: 2359178.00
 Elevation:

WBGss-110-0699-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.83	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	20300	MG/KG	=		
REG	Antimony	0.63	MG/KG	U	UJ	I02
REG	Arsenic	9.2	MG/KG	J		I02
REG	Barium	117	MG/KG	J		I02
REG	Beryllium	1.6	MG/KG	J		I02,E07
REG	Cadmium	13.2	MG/KG	J		I02
REG	Calcium	56400	MG/KG	J		E07
REG	Chromium	15.2	MG/KG	J		I02
REG	Cobalt	4.8	MG/KG	B	J	I02
REG	Copper	15.7	MG/KG	J		I01
REG	Iron	15600	MG/KG	=		
REG	Lead	43.2	MG/KG	J		I02
REG	Magnesium	8220	MG/KG	J		I03
REG	Manganese	1240	MG/KG	J		E07
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	15.8	MG/KG	J		D05,I02,E07
REG	Potassium	1670	MG/KG	J		I02
REG	Selenium	0.71	MG/KG	J		I02
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	328	MG/KG	B	J	
REG	Thallium	0.63	MG/KG	U	UJ	D05,I02
REG	Vanadium	19.7	MG/KG	=		
REG	Zinc	61.1	MG/KG	J		E07

Northing: 562416.52
 Easting: 2359897.00
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-111 PAD-40-1 NW quadrant of pad

WBGss-111-0700-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10600	MG/KG	=		
REG	Antimony	0.6	MG/KG	U	UJ	I02
REG	Arsenic	17.8	MG/KG	J		I02
REG	Barium	90.7	MG/KG	J		I02
REG	Beryllium	0.64	MG/KG	J		F07,I02
REG	Cadmium	0.6	MG/KG	U	UJ	I02
REG	Calcium	29100	MG/KG	J		E07

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-111 PAD-40-1 NW quadrant of pad

Northing: 562416.52
 Easting: 2359897.00
 Elevation:

WBGss-111-0700-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Chromium	14.3	MG/KG	J		I02
REG	Cobalt	9.5	MG/KG	B	J	I02
REG	Copper	22.5	MG/KG	J		I01
REG	Iron	23200	MG/KG	=		
REG	Lead	17.5	MG/KG	J		I02
REG	Magnesium	3080	MG/KG	J		I03
REG	Manganese	412	MG/KG	J		E07
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	29.2	MG/KG	J		D05,I02,E07
REG	Potassium	1120	MG/KG	J		I02
REG	Selenium	0.6	MG/KG	U	UJ	I02
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	71.7	MG/KG	B	U	F01,F06
REG	Thallium	0.6	MG/KG	U	UJ	D05,I02
REG	Vanadium	17.7	MG/KG	=		
REG	Zinc	68.7	MG/KG	J		E07

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	390	UG/KG	U	U	
REG	1,2-Dichlorobenzene	390	UG/KG	U	U	
REG	1,3-Dichlorobenzene	390	UG/KG	U	U	
REG	1,4-Dichlorobenzene	390	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	390	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	390	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	390	UG/KG	U	U	
REG	2,4-Dichlorophenol	390	UG/KG	U	U	
REG	2,4-Dimethylphenol	390	UG/KG	U	U	
REG	2,4-Dinitrophenol	950	UG/KG	U	U	
REG	2,4-Dinitrotoluene	390	UG/KG	U	U	
REG	2,6-Dinitrotoluene	390	UG/KG	U	U	
REG	2-Chloronaphthalene	390	UG/KG	U	U	
REG	2-Chlorophenol	390	UG/KG	U	U	
REG	2-Methylnaphthalene	390	UG/KG	U	U	
REG	2-Methylphenol	390	UG/KG	U	U	
REG	2-Nitroaniline	950	UG/KG	U	U	
REG	2-Nitrophenol	390	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	390	UG/KG	U	U	
REG	3-Nitroaniline	950	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	950	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	390	UG/KG	U	U	
REG	4-Chloroaniline	390	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	390	UG/KG	U	U	
REG	4-Methylphenol	390	UG/KG	U	U	
REG	4-Nitroaniline	950	UG/KG	U	U	
REG	4-Nitrophenol	950	UG/KG	U	U	
REG	4-chloro-3-methylphenol	390	UG/KG	U	U	
REG	Acenaphthene	390	UG/KG	U	U	
REG	Acenaphthylene	390	UG/KG	U	U	
REG	Anthracene	390	UG/KG	U	U	
REG	Benzo(a)anthracene	390	UG/KG	U	U	
REG	Benzo(a)pyrene	390	UG/KG	U	U	
REG	Benzo(b)fluoranthene	390	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	390	UG/KG	U	U	
REG	Benzo(k)fluoranthene	390	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	390	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	390	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	390	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	390	UG/KG	U	U	
REG	Carbazole	390	UG/KG	U	U	
REG	Chrysene	390	UG/KG	U	U	
REG	Di-n-butyl Phthalate	390	UG/KG	U	U	
REG	Di-n-octyl Phthalate	390	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	390	UG/KG	U	U	
REG	Dibenzofuran	390	UG/KG	U	U	
REG	Diethyl Phthalate	390	UG/KG	U	U	
REG	Dimethyl Phthalate	390	UG/KG	U	U	
REG	Fluoranthene	390	UG/KG	U	U	
REG	Fluorene	390	UG/KG	U	U	

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-111 PAD-40-1 NW quadrant of pad

Northing: 562416.52
 Easting: 2359897.00
 Elevation:

WBGss-111-0700-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Hexachlorobenzene	390	UG/KG	U	U	
REG	Hexachlorobutadiene	390	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	390	UG/KG	U	U	
REG	Hexachloroethane	390	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	390	UG/KG	U	U	
REG	Isophorone	390	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	390	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	390	UG/KG	U	U	
REG	Naphthalene	390	UG/KG	U	U	
REG	Nitrobenzene	390	UG/KG	U	U	
REG	Pentachlorophenol	390	UG/KG	U	U	
REG	Phenanthrene	390	UG/KG	U	U	
REG	Phenol	390	UG/KG	U	U	
REG	Pyrene	390	UG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-112 PAD-40-2 NE quadrant of pad

Northing: 562405.29
 Easting: 2359941.01
 Elevation:

WBGss-112-0701-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	10900	MG/KG	=		
REG	Antimony	0.62	MG/KG	U	UJ	I02
REG	Arsenic	35.8	MG/KG		J	I02
REG	Barium	63.9	MG/KG		J	I02
REG	Beryllium	0.54	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.62	MG/KG	U	UJ	I02
REG	Calcium	10900	MG/KG		J	E07
REG	Chromium	12.7	MG/KG		J	I02
REG	Cobalt	5.7	MG/KG	B	J	I02
REG	Copper	14.8	MG/KG		J	I01
REG	Iron	26400	MG/KG		=	
REG	Lead	22.7	MG/KG		J	I02
REG	Magnesium	1490	MG/KG		J	I03
REG	Manganese	314	MG/KG		J	E07
REG	Mercury	0.03	MG/KG	B	J	
REG	Nickel	13	MG/KG		J	D05,I02,E07
REG	Potassium	559	MG/KG	B	J	I02
REG	Selenium	0.62	MG/KG	U	UJ	I02
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	56.2	MG/KG	B	U	F01,F06
REG	Thallium	0.62	MG/KG	U	UJ	D05,I02
REG	Vanadium	22.8	MG/KG		=	
REG	Zinc	50.3	MG/KG		J	E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-113 PAD-40-3 S half of pad

Northing: 562359.53
 Easting: 2359903.92
 Elevation:

WBGss-113-0702-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.57	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	10200	MG/KG	=		
REG	Antimony	0.74	MG/KG		J	I02
REG	Arsenic	14.8	MG/KG		=	
REG	Barium	57.2	MG/KG		=	
REG	Beryllium	0.44	MG/KG	B	U	F06
REG	Cadmium	0.57	MG/KG	U	U	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-113 PAD-40-3 S half of pad

Northing: 562359.53
 Easting: 2359903.92
 Elevation:

WBGss-113-0702-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Calcium	1780	MG/KG	=		
REG	Chromium	11.9	MG/KG	=		
REG	Cobalt	8.7	MG/KG	B	J	
REG	Copper	25	MG/KG	J		E07
REG	Iron	18800	MG/KG	=		
REG	Lead	53.7	MG/KG	J		I02
REG	Magnesium	1410	MG/KG	=		
REG	Manganese	440	MG/KG	=		
REG	Mercury	0.063	MG/KG	B	J	
REG	Nickel	16.7	MG/KG	J		D05
REG	Potassium	465	MG/KG	B	J	
REG	Selenium	1.2	MG/KG	=		
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	63.3	MG/KG	B	U	F01,F06
REG	Thallium	0.57	MG/KG	U	UJ	D05
REG	Vanadium	19.5	MG/KG	=		
REG	Zinc	159	MG/KG	J		I03

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.084	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	F01,F06
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG	U	U	F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A01,A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-114 PAD-58-1 NW Quadrant of pad

Northing: 582984.63
 Easting: 2355608.25
 Elevation:

WBGss-114-0703-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	10300	MG/KG	=		
REG	Antimony	3.3	MG/KG	J		I02
REG	Arsenic	15.9	MG/KG	J		I02
REG	Barium	102	MG/KG	J		I02
REG	Beryllium	0.58	MG/KG	B	UJ	F06,I02
REG	Cadmium	80	MG/KG	J		I02
REG	Calcium	3220	MG/KG	J		E07
REG	Chromium	189	MG/KG	J		I02
REG	Cobalt	11.2	MG/KG	B	J	I02
REG	Copper	252	MG/KG	J		I01
REG	Iron	26400	MG/KG	J		I02
REG	Lead	1020	MG/KG	J		I02
REG	Magnesium	2940	MG/KG	J		I03
REG	Manganese	480	MG/KG	J		E07
REG	Mercury	0.3	MG/KG	=		
REG	Nickel	32.1	MG/KG	J		D05,I02,E07
REG	Potassium	1330	MG/KG	=		
REG	Selenium	0.61	MG/KG	U	UJ	I02
REG	Silver	1.4	MG/KG	=		
REG	Sodium	92.8	MG/KG	B	J	
REG	Thallium	0.61	MG/KG	U	UJ	D05,I02

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-114 PAD-68-1 NWquadrant of pad

Northing: 562984.53
 Easting: 2355608.25
 Elevation:

WBGss-114-0703-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Vanadium	17.8	MG/KG	=		
REG	Zinc	813	MG/KG	J		E07

WBGss-114-0875-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9820	MG/KG	=		
REG	Antimony	2.3	MG/KG	J		I02
REG	Arsenic	13.9	MG/KG	J		I02
REG	Barium	82.6	MG/KG	J		I02
REG	Beryllium	0.51	MG/KG	B	UJ	F06,I02
REG	Cadmium	28.7	MG/KG	J		I02
REG	Calcium	2480	MG/KG	J		E07
REG	Chromium	103	MG/KG	J		I02
REG	Cobalt	10.4	MG/KG	B	J	I02
REG	Copper	123	MG/KG	J		I01
REG	Iron	24500	MG/KG	=		
REG	Lead	398	MG/KG	J		I02
REG	Magnesium	2840	MG/KG	J		I03
REG	Manganese	411	MG/KG	J		E07
REG	Mercury	0.59	MG/KG	=		
REG	Nickel	28.9	MG/KG	J		D05,I02,E07
REG	Potassium	1130	MG/KG	J		I02
REG	Selenium	0.58	MG/KG	U	UJ	I02
REG	Silver	0.62	MG/KG	B	U	F06
REG	Sodium	70.1	MG/KG	B	U	F01,F06
REG	Thallium	0.68	MG/KG	U	UJ	D05,I02
REG	Vanadium	16.6	MG/KG	=		
REG	Zinc	367	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-115 PAD-58-2 NE quadrant of pad

Northing: 562981.96
 Easting: 2355652.68
 Elevation:

WBGss-115-0704-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11700	MG/KG	=		
REG	Antimony	1.3	MG/KG	J		I02
REG	Arsenic	14.1	MG/KG	J		I02
REG	Barium	87.2	MG/KG	J		I02
REG	Beryllium	0.6	MG/KG	B	UJ	F06,I02
REG	Cadmium	1.1	MG/KG	J		I02
REG	Calcium	17500	MG/KG	J		E07
REG	Chromium	19.3	MG/KG	J		I02
REG	Cobalt	11.2	MG/KG	B	J	I02
REG	Copper	46.9	MG/KG	J		I01
REG	Iron	29800	MG/KG	=		
REG	Lead	38.9	MG/KG	J		I02
REG	Magnesium	5260	MG/KG	J		I03
REG	Manganese	453	MG/KG	J		E07
REG	Mercury	0.089	MG/KG	B	J	
REG	Nickel	29.8	MG/KG	J		D05,I02,E07
REG	Potassium	1660	MG/KG	J		I02
REG	Selenium	0.61	MG/KG	U	UJ	I02
REG	Silver	1.2	MG/KG	=		
REG	Sodium	78.8	MG/KG	B	U	F01,F06
REG	Thallium	0.61	MG/KG	U	UJ	D05,I02
REG	Vanadium	20.1	MG/KG	=		

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-115 PAD-58-2 NE quadrant of pad

Northing: 562981.96
 Easting: 2355652.68
 Elevation:

WBGss-116-0704-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Zinc	215	MG/KG	J	E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-116 PAD-58-3 5 ft S of pad

Northing: 562941.46
 Easting: 2355604.42
 Elevation:

WBGss-116-0705-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab Data	Validation Code
REG	Cyanide	0.064	MG/KG	B J	

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Aluminum	17700	MG/KG	=	
REG	Antimony	6.1	MG/KG	J	I02
REG	Arsenic	16.9	MG/KG	J	I02
REG	Barium	149	MG/KG	J	I02
REG	Beryllium	0.81	MG/KG	UJ	F07,I02
REG	Cadmium	1.4	MG/KG	J	I02
REG	Calcium	8820	MG/KG	J	E07
REG	Chromium	31.3	MG/KG	J	I02
REG	Cobalt	12.7	MG/KG	B J	I02
REG	Copper	109	MG/KG	J	I01
REG	Iron	32800	MG/KG	=	
REG	Lead	122	MG/KG	J	I02
REG	Magnesium	5170	MG/KG	J	I03
REG	Manganese	453	MG/KG	J	E07
REG	Mercury	0.22	MG/KG	=	
REG	Nickel	37.2	MG/KG	J	D05,I02,E07
REG	Potassium	2670	MG/KG	J	I02
REG	Selenium	0.71	MG/KG	U UJ	I02
REG	Silver	3	MG/KG	=	
REG	Sodium	111	MG/KG	B J	
REG	Thallium	0.71	MG/KG	U UJ	D05,I02
REG	Vanadium	27.9	MG/KG	=	
REG	Zinc	458	MG/KG	J	E07

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U U	
REG	2-Nitrotoluene	0.25	MG/KG	U U	
REG	3-Nitrotoluene	0.25	MG/KG	U U	
REG	4-Nitrotoluene	0.25	MG/KG	U U	
REG	HMX	0.50	MG/KG	U	F01,F06
REG	Nitrobenzene	0.25	MG/KG	U U	
REG	Nitrocellulose as N	2	MG/KG	U UJ	A01,A05
REG	Nitroglycerin	2.5	MG/KG	U U	
REG	Nitroguanidine	0.25	MG/KG	U UJ	A01,A05
REG	RDX	0.5	MG/KG	U U	
REG	Tetryl	0.65	MG/KG	U U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-117 PAD-59-1 NW quadrant of pad

Northing: 563002.90
 Easting: 2355900.73
 Elevation:

WBGss-117-0708-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab Data	Validation Code
REG	Cyanide	0.6	MG/KG	U U	

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-117 PAD-59-1 NW quadrant of pad

Northing: 563002.90
 Easting: 2355900.73
 Elevation:

WBGss-117-0706-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9300	MG/KG	=		
REG	Antimony	0.8	MG/KG	U	UJ	I02
REG	Arsenic	10.4	MG/KG	=		
REG	Barium	36.3	MG/KG	=		
REG	Beryllium	0.19	MG/KG	B	U	F06
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	1280	MG/KG	=		
REG	Chromium	11.7	MG/KG	=		
REG	Cobalt	7.1	MG/KG	B	J	
REG	Copper	17.3	MG/KG	=		
REG	Iron	17500	MG/KG	=		
REG	Lead	15.7	MG/KG	=		
REG	Magnesium	1720	MG/KG	=		
REG	Manganese	373	MG/KG	=		
REG	Mercury	0.028	MG/KG	B	J	
REG	Nickel	12.9	MG/KG	=		
REG	Potassium	753	MG/KG	=		
REG	Selenium	0.6	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	58.1	MG/KG	B	U	F01,F06
REG	Thallium	0.8	MG/KG	U	U	
REG	Vanadium	16.8	MG/KG	=		
REG	Zinc	56.9	MG/KG	J		E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.86	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-118 PAD-59-2 SW quadrant of pad

Northing: 562940.90
 Easting: 2366948.10
 Elevation:

WBGss-118-0707-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.7	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	16800	MG/KG	=		
REG	Antimony	27.9	MG/KG	J		I02
REG	Arsenic	14.6	MG/KG	=		
REG	Barium	186	MG/KG	=		
REG	Beryllium	0.34	MG/KG	B	U	F06
REG	Cadmium	4.7	MG/KG	=		
REG	Calcium	2810	MG/KG	=		
REG	Chromium	28.1	MG/KG	=		
REG	Cobalt	10.5	MG/KG	B	J	
REG	Copper	105	MG/KG	=		
REG	Iron	28100	MG/KG	=		
REG	Lead	1690	MG/KG	=		
REG	Magnesium	3420	MG/KG	=		
REG	Manganese	485	MG/KG	=		
REG	Mercury	0.058	MG/KG	B	J	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-118 PAD-59-2 SW quadrant of pad

Northing: 562940.90
 Easting: 2356946.10
 Elevation:

WBGss-118-0707-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nickel	26.6	MG/KG	=		
REG	Potassium	2030	MG/KG	=		
REG	Selenium	1.4	MG/KG	=		
REG	Silver	4.3	MG/KG	=		
REG	Sodium	171	MG/KG	B	J	
REG	Thallium	0.7	MG/KG	U	U	
REG	Vanadium	29.3	MG/KG	=		
REG	Zinc	441	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-119 PAD-59-3 5 ft W of pad

Northing: 562967.34
 Easting: 2356873.21
 Elevation:

WBGss-119-0708-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10800	MG/KG	=		
REG	Antimony	2	MG/KG	J		I02
REG	Arsenic	10	MG/KG	=		
REG	Barium	49.8	MG/KG	=		
REG	Beryllium	0.31	MG/KG	B	U	F06
REG	Cadmium	0.63	MG/KG	U	U	
REG	Calcium	2200	MG/KG	=		
REG	Chromium	15.2	MG/KG	=		
REG	Cobalt	6.9	MG/KG	B	J	
REG	Copper	37.5	MG/KG	=		
REG	Iron	21200	MG/KG	=		
REG	Lead	51.2	MG/KG	=		
REG	Magnesium	1990	MG/KG	=		
REG	Manganese	280	MG/KG	=		
REG	Mercury	0.072	MG/KG	B	J	
REG	Nickel	17.3	MG/KG	=		
REG	Potassium	951	MG/KG	=		
REG	Selenium	0.97	MG/KG	=		
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	55	MG/KG	B	U	F01,F06
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	21	MG/KG	=		
REG	Zinc	92.1	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-120 PAD-60-1 6 ft S of pad

Northing: 562932.00
 Easting: 2356296.00
 Elevation:

WBGss-120-0709-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.66	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13800	MG/KG	=		
REG	Antimony	22.5	MG/KG	J		I02
REG	Arsenic	14.9	MG/KG	=		
REG	Barium	231	MG/KG	=		
REG	Beryllium	0.63	MG/KG	B	U	F06
REG	Cadmium	13.5	MG/KG	=		
REG	Calcium	3730	MG/KG	=		
REG	Chromium	49.4	MG/KG	=		
REG	Cobalt	9.4	MG/KG	B	J	
REG	Copper	4100	MG/KG	=		
REG	Iron	26300	MG/KG	=		
REG	Lead	569	MG/KG	=		

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-120 PAD-60-1 5 ft S of pad

Northing: 562932.00
 Easting: 2356296.00
 Elevation:

WBGss-120-0709-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Magnesium	2990	MG/KG	=		
REG	Manganese	399	MG/KG	=		
REG	Mercury	0.12	MG/KG	B	J	
REG	Nickel	45.7	MG/KG	=		
REG	Potassium	1690	MG/KG	=		
REG	Selenium	2.5	MG/KG	=		
REG	Silver	7.1	MG/KG	=		
REG	Sodium	188	MG/KG	B	J	
REG	Thallium	0.66	MG/KG	U	U	
REG	Vanadium	23.2	MG/KG	=		
REG	Zinc	1000	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-121 PAD-60-2 5 ft E of pad

Northing: 562974.00
 Easting: 2356375.00
 Elevation:

WBGss-121-0710-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	18000	MG/KG	=		
REG	Antimony	7.4	MG/KG	J		102
REG	Arsenic	10.6	MG/KG	=		
REG	Barium	170	MG/KG	=		
REG	Beryllium	0.52	MG/KG	B	U	F06
REG	Cadmium	9	MG/KG	=		
REG	Calcium	2500	MG/KG	=		
REG	Chromium	39.6	MG/KG	=		
REG	Cobalt	8.5	MG/KG	B	J	
REG	Copper	162	MG/KG	=		
REG	Iron	23300	MG/KG	=		
REG	Lead	486	MG/KG	=		
REG	Magnesium	3150	MG/KG	=		
REG	Manganese	349	MG/KG	=		
REG	Mercury	0.07	MG/KG	B	J	
REG	Nickel	27.2	MG/KG	=		
REG	Potassium	2050	MG/KG	=		
REG	Selenium	1.2	MG/KG	=		
REG	Silver	2.9	MG/KG	=		
REG	Sodium	180	MG/KG	B	J	
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	29	MG/KG	=		
REG	Zinc	567	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-122 PAD-60-3 5 ft W of pad

Northing: 562974.00
 Easting: 2356254.00
 Elevation:

WBGss-122-0711-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	17800	MG/KG	=		
REG	Antimony	18.2	MG/KG	J		102
REG	Arsenic	13.9	MG/KG	=		
REG	Barium	401	MG/KG	=		
REG	Beryllium	0.39	MG/KG	B	U	F06
REG	Cadmium	42.8	MG/KG	=		
REG	Calcium	5400	MG/KG	=		
REG	Chromium	47.1	MG/KG	=		
REG	Cobalt	10.2	MG/KG	B	J	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-122 PAD-60-3 5 ft W of pad

Northing: 562974.00
 Easting: 2356254.00
 Elevation:

WBGss-122-0711-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Copper	1520	MG/KG	=		
REG	Iron	39100	MG/KG	=		
REG	Lead	2150	MG/KG	=		
REG	Magnesium	2920	MG/KG	=		
REG	Manganese	638	MG/KG	=		
REG	Mercury	0.079	MG/KG	B	J	
REG	Nickel	37.4	MG/KG	=		
REG	Potassium	1400	MG/KG	=		
REG	Selenium	2.3	MG/KG	=		
REG	Silver	5.6	MG/KG	=		
REG	Sodium	199	MG/KG	B	J	
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	26	MG/KG	=		
REG	Zinc	3600	MG/KG	J		E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.13	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.085	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.17	MG/KG	J	J	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.24	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	5.8	MG/KG	J		A01,A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.48	MG/KG	J	J	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	420	UG/KG	U	U	
REG	1,2-Dichlorobenzene	420	UG/KG	U	U	
REG	1,3-Dichlorobenzene	420	UG/KG	U	U	
REG	1,4-Dichlorobenzene	420	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	420	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	420	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	420	UG/KG	U	U	
REG	2,4-Dichlorophenol	420	UG/KG	U	U	
REG	2,4-Dimethylphenol	420	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	420	UG/KG	U	U	
REG	2,6-Dinitrotoluene	420	UG/KG	U	U	
REG	2-Chloronaphthalene	420	UG/KG	U	U	
REG	2-Chlorophenol	420	UG/KG	U	U	
REG	2-Methylnaphthalene	150	UG/KG	J	J	
REG	2-Methylphenol	420	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	420	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	420	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	420	UG/KG	U	U	
REG	4-Chloroaniline	420	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	420	UG/KG	U	U	
REG	4-Methylphenol	420	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	U	
REG	4-chloro-3-methylphenol	420	UG/KG	U	U	
REG	Acenaphthene	420	UG/KG	U	U	
REG	Acenaphthylene	420	UG/KG	U	U	
REG	Anthracene	420	UG/KG	U	U	
REG	Benzo(a)anthracene	43	UG/KG	J	J	
REG	Benzo(a)pyrene	60	UG/KG	J	J	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-122 PAD-60-3 5 ft W of pad

Northing: 562974.00
 Easting: 2356254.00
 Elevation:

WBGss-122-0711-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Benzo(b)fluoranthene	83	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	420	UG/KG	U	U	
REG	Benzo(k)fluoranthene	420	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	420	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	420	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	420	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	420	UG/KG	U	U	
REG	Carbazole	420	UG/KG	U	U	
REG	Chrysene	50	UG/KG	J	J	
REG	Di-n-butyl Phthalate	420	UG/KG	U	U	
REG	Di-n-octyl Phthalate	420	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	420	UG/KG	U	U	
REG	Dibenzofuran	420	UG/KG	U	U	
REG	Diethyl Phthalate	420	UG/KG	U	U	
REG	Dimethyl Phthalate	420	UG/KG	U	U	
REG	Fluoranthene	88	UG/KG	J	J	
REG	Fluorene	420	UG/KG	U	U	
REG	Hexachlorobenzene	420	UG/KG	U	U	
REG	Hexachlorobutadiene	420	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	420	UG/KG	U	U	
REG	Hexachloroethane	420	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	420	UG/KG	U	U	
REG	Isophorone	420	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	420	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	420	UG/KG	U	U	
REG	Naphthalene	420	UG/KG	U	U	
REG	Nitrobenzene	420	UG/KG	U	U	
REG	Pentachlorophenol	420	UG/KG	U	U	
REG	Phenanthrene	140	UG/KG	J	J	
REG	Phenol	420	UG/KG	U	U	
REG	Pyrene	110	UG/KG	J	J	

WBGss-122-0869-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	15800	MG/KG	=		
REG	Antimony	7.3	MG/KG	J		I02
REG	Arsenic	10.8	MG/KG	=		
REG	Barium	199	MG/KG	=		
REG	Beryllium	0.15	MG/KG	B	U	F06
REG	Cadmium	19.5	MG/KG	=		
REG	Calcium	3790	MG/KG	=		
REG	Chromium	33.7	MG/KG	=		
REG	Cobalt	8.8	MG/KG	B	J	
REG	Copper	986	MG/KG	=		
REG	Iron	26800	MG/KG	=		
REG	Lead	884	MG/KG	=		
REG	Magnesium	2760	MG/KG	=		
REG	Manganese	505	MG/KG	=		
REG	Mercury	0.065	MG/KG	B	J	
REG	Nickel	27.1	MG/KG	=		
REG	Potassium	1190	MG/KG	=		
REG	Selenium	1.5	MG/KG	=		
REG	Silver	6.9	MG/KG	=		
REG	Sodium	147	MG/KG	B	J	
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	26.4	MG/KG	=		
REG	Zinc	4170	MG/KG	J		E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-122 PAD-60-3 5 ft W of pad

Northing: 662974.00
 Easting: 2356254.00
 Elevation:

WBGss-122-0869-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/22/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	400	UG/KG	U	U	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	110	UG/KG	J	J	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	130	UG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-123 PAD-60-4 5 ft N of pad

Northing: 563016.00
 Easting: 2356296.00
 Elevation:

WBGss-123-0712-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	8650	MG/KG	=		
REG	Antimony	0.59	MG/KG	U	UJ	102
REG	Arsenic	12.1	MG/KG	=		
REG	Barium	46.2	MG/KG	=		
REG	Beryllium	0.3	MG/KG	B	U	F06
REG	Cadmium	0.81	MG/KG	=		
REG	Calcium	5750	MG/KG	=		
REG	Chromium	11.9	MG/KG	=		
REG	Cobalt	6.1	MG/KG	B	J	
REG	Copper	44.2	MG/KG	=		
REG	Iron	16600	MG/KG	=		
REG	Lead	34.5	MG/KG	=		
REG	Magnesium	2070	MG/KG	=		
REG	Manganese	381	MG/KG	=		
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	13.7	MG/KG	=		
REG	Potassium	765	MG/KG	=		
REG	Selenium	1.2	MG/KG	=		
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	88.6	MG/KG	B	U	F01,F06
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	14	MG/KG	=		
REG	Zinc	82.6	MG/KG	J	J	E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-124 PAD-61-1 5 ft S of pad

Northing: 562948.41
 Easting: 2356634.71
 Elevation:

WBGss-124-0713-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.82	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9300	MG/KG	=		
REG	Antimony	0.6	MG/KG	B	UJ	F08,102
REG	Arsenic	15.1	MG/KG	=		
REG	Barium	77.6	MG/KG	J	J	103
REG	Beryllium	0.23	MG/KG	B	U	F08
REG	Cadmium	3.6	MG/KG	=		
REG	Calcium	6160	MG/KG	=		
REG	Chromium	16.1	MG/KG	=		
REG	Cobalt	9.8	MG/KG	B	J	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-122 PAD-80-3 5 ft W of pad

Northing: 562974.00
 Easting: 2356254.00
 Elevation:

WBGss-122-0869-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	2,4,6-Trinitrotoluene	0.11	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.068	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.19	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A01,A05
REG	Nitroglycerin	4.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	970	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	160	UG/KG	J	J	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	970	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	970	UG/KG	U	U	
REG	4,6-Dinitro- <i>o</i> -Cresol	970	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	970	UG/KG	U	U	
REG	4-Nitrophenol	970	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	43	UG/KG	J	J	
REG	Benzo(a)pyrene	400	UG/KG	U	U	
REG	Benzo(b)fluoranthene	64	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	400	UG/KG	U	U	
REG	Benzo(k)fluoranthene	400	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	66	UG/KG	J	J	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	69	UG/KG	J	J	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-124 PAD-61-1 5 ft S of pad

Northing: 562946.41
 Easting: 2356634.71
 Elevation:

WBGss-124-0713-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/88

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Copper	97.5	MG/KG	=		
REG	Iron	28800	MG/KG	=		
REG	Lead	55.2	MG/KG	=		
REG	Magnesium	3560	MG/KG	J		102
REG	Manganese	371	MG/KG	=		
REG	Mercury	0.057	MG/KG	B	J	
REG	Nickel	22.2	MG/KG	=		
REG	Potassium	1550	MG/KG	J		102
REG	Selenium	1	MG/KG	=		
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	108	MG/KG	B	J	
REG	Thallium	0.62	MG/KG	U	U	
REG	Vanadium	19.4	MG/KG	=		
REG	Zinc	352	MG/KG	J		101,E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-125 PAD-61-2 5 ft E of pad

Northing: 562985.65
 Easting: 2356663.88
 Elevation:

WBGss-125-0714-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/88

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9480	MG/KG	=		
REG	Antimony	0.97	MG/KG	UJ		F07,102
REG	Arsenic	10.7	MG/KG	=		
REG	Barium	288	MG/KG	J		103
REG	Beryllium	0.35	MG/KG	B	U	F08
REG	Cadmium	3.3	MG/KG	=		
REG	Calcium	3460	MG/KG	=		
REG	Chromium	16.4	MG/KG	=		
REG	Cobalt	7.7	MG/KG	B	J	
REG	Copper	159	MG/KG	=		
REG	Iron	19400	MG/KG	=		
REG	Lead	208	MG/KG	=		
REG	Magnesium	2260	MG/KG	J		102
REG	Manganese	447	MG/KG	=		
REG	Mercury	0.073	MG/KG	B	J	
REG	Nickel	17.8	MG/KG	=		
REG	Potassium	953	MG/KG	J		102
REG	Selenium	1.2	MG/KG	=		
REG	Silver	0.75	MG/KG	B	J	
REG	Sodium	65.9	MG/KG	B	J	
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	17.8	MG/KG	=		
REG	Zinc	1920	MG/KG	J		101,E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-126 PAD-61-3 5 ft W of pad

Northing: 563004.08
 Easting: 2356559.49
 Elevation:

WBGss-126-0715-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/88

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.65	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10500	MG/KG	=		
REG	Antimony	1.2	MG/KG	UJ		F07,102
REG	Arsenic	10.4	MG/KG	=		
REG	Barium	237	MG/KG	J		103
REG	Beryllium	0.29	MG/KG	B	U	F06
REG	Cadmium	21.7	MG/KG	=		

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-126 PAD-61-3 5 ft W of pad

Northing: 563004.06
 Easting: 2356559.49
 Elevation:

WBGss-126-0715-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Calcium	2580	MG/KG	=		
REG	Chromium	52	MG/KG	=		
REG	Cobalt	10	MG/KG	B	J	
REG	Copper	487	MG/KG	=		
REG	Iron	26800	MG/KG	=		
REG	Lead	393	MG/KG	=		
REG	Magnesium	2430	MG/KG	J		102
REG	Manganese	491	MG/KG	=		
REG	Mercury	0.083	MG/KG	B	J	
REG	Nickel	133	MG/KG	=		
REG	Potassium	1100	MG/KG	J		102
REG	Selenium	3.1	MG/KG	=		
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	92.3	MG/KG	B	J	
REG	Thallium	0.65	MG/KG	U	U	
REG	Vanadium	19.1	MG/KG	=		
REG	Zinc	626	MG/KG	J		101,E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.055	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.12	MG/KG	J	J	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.14	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-127 PAD-61-4 5 ft N of pad

Northing: 563016.12
 Easting: 2356605.78
 Elevation:

WBGss-127-0716-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11900	MG/KG	=		
REG	Antimony	0.62	MG/KG	U	UJ	102
REG	Arsenic	12.3	MG/KG	=		
REG	Barium	63.3	MG/KG	=		
REG	Beryllium	0.4	MG/KG	B	U	F06
REG	Cadmium	0.76	MG/KG	=		
REG	Calcium	10100	MG/KG	=		
REG	Chromium	14.7	MG/KG	=		
REG	Cobalt	8.7	MG/KG	B	J	
REG	Copper	36	MG/KG	=		
REG	Iron	20100	MG/KG	=		
REG	Lead	57.2	MG/KG	=		
REG	Magnesium	3410	MG/KG	=		
REG	Manganese	565	MG/KG	=		
REG	Mercury	0.032	MG/KG	B	J	
REG	Nickel	15.7	MG/KG	=		
REG	Potassium	952	MG/KG	=		
REG	Selenium	0.95	MG/KG	=		
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	82.1	MG/KG	B	U	F01,F06
REG	Thallium	0.62	MG/KG	U	U	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-127 PAD-61-4 5 ft N of pad

Northing: 563016.12
 Easting: 2356606.78
 Elevation:

WBGss-127-0716-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Vanadium	19	MG/KG	=		
REG	Zinc	122	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-128 PAD-82-1 5 ft S of pad

Northing: 562963.42
 Easting: 2357120.90
 Elevation:

WBGss-128-0717-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12900	MG/KG	=		
REG	Antimony	1.8	MG/KG	UJ		F07,102
REG	Arsenic	12.6	MG/KG	=		
REG	Barium	327	MG/KG	J		I03
REG	Beryllium	0.26	MG/KG	B	U	F06
REG	Cadmium	7.8	MG/KG	=		
REG	Calcium	8600	MG/KG	=		
REG	Chromium	24.8	MG/KG	=		
REG	Cobalt	8.2	MG/KG	B	J	
REG	Copper	132	MG/KG	=		
REG	Iron	22300	MG/KG	=		
REG	Lead	481	MG/KG	=		
REG	Magnesium	2900	MG/KG	J		I02
REG	Manganese	455	MG/KG	=		
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	24	MG/KG	=		
REG	Potassium	1880	MG/KG	J		I02
REG	Selenium	1.2	MG/KG	=		
REG	Silver	0.52	MG/KG	B	J	
REG	Sodium	181	MG/KG	B	J	
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	26.1	MG/KG	=		
REG	Zinc	1300	MG/KG	J		I01,E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-129 PAD-82-2 5 ft E of pad

Northing: 563002.71
 Easting: 2357159.35
 Elevation:

WBGss-129-0718-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.65	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12500	MG/KG	=		
REG	Antimony	1.4	MG/KG	UJ		F07,102
REG	Arsenic	12.8	MG/KG	=		
REG	Barium	226	MG/KG	J		I03
REG	Beryllium	0.47	MG/KG	B	U	F06
REG	Cadmium	0.99	MG/KG	=		
REG	Calcium	12600	MG/KG	=		
REG	Chromium	21.8	MG/KG	=		
REG	Cobalt	8.6	MG/KG	B	J	
REG	Copper	32	MG/KG	=		
REG	Iron	25000	MG/KG	=		
REG	Lead	297	MG/KG	=		
REG	Magnesium	2630	MG/KG	J		I02
REG	Manganese	525	MG/KG	=		
REG	Mercury	0.07	MG/KG	B	J	
REG	Nickel	18.4	MG/KG	=		
REG	Potassium	1140	MG/KG	J		I02
REG	Selenium	1.2	MG/KG	=		

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Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	15200	MG/KG	=		
REG	Antimony	0.61	MG/KG	U	UJ	102
REG	Arsenic	13.6	MG/KG	=		
REG	Barium	121	MG/KG		J	103
REG	Beryllium	0.45	MG/KG	B	U	F08
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	4980	MG/KG	=		
REG	Chromium	19.3	MG/KG	=		
REG	Cobalt	6.8	MG/KG	B	J	
REG	Copper	16.6	MG/KG	=		
REG	Iron	23600	MG/KG	=		
REG	Lead	15.5	MG/KG	=		
REG	Magnesium	3480	MG/KG		J	102
REG	Manganese	337	MG/KG	=		
REG	Mercury	0.059	MG/KG	B	J	
REG	Nickel	16.9	MG/KG	=		
REG	Potassium	1790	MG/KG		J	102
REG	Selenium	0.82	MG/KG	=		
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	106	MG/KG	B	J	
REG	Thallium	1	MG/KG		U	F07
REG	Vanadium	26.9	MG/KG	=		
REG	Zinc	63.8	MG/KG		J	101,E07

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	980	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	980	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	980	UG/KG	U	U	
REG	4,6-Dinitro-c-Cresol	980	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	980	UG/KG	U	U	
REG	4-Nitrophenol	980	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	140	UG/KG	J	J	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	440	UG/KG	=		
REG	Benzo(a)anthracene	630	UG/KG	=		
REG	Benzo(a)pyrene	530	UG/KG	=		
REG	Benzo(b)fluoranthene	680	UG/KG	=		
REG	Benzo(g,h,i)perylene	170	UG/KG	J	J	
REG	Benzo(k)fluoranthene	350	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	200	UG/KG	J	J	
REG	Chrysene	620	UG/KG	=		
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	54	UG/KG	J	J	
REG	Dibenzofuran	110	UG/KG	J	J	
REG	Diethyl Phthalate	400	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-129 PAD-62-2 5 ft E of pad

Northing: 563002.71
 Easting: 2357169.35
 Elevation:

WBGss-129-0718-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	72.7	MG/KG	B	J	
REG	Thallium	0.65	MG/KG	U	U	
REG	Vanadium	23.5	MG/KG	=		
REG	Zinc	262	MG/KG	J		I01,E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.13	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.24	MG/KG	J	J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	F01,F06
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG	U	U	F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A01,A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.29	MG/KG	J	J	
REG	Tetryl	0.23	MG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-130 PAD-62-3 6 ft N of pad

Northing: 563029.19
 Easting: 2357144.84
 Elevation:

WBGss-130-0719-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11900	MG/KG	=		
REG	Antimony	1.1	MG/KG	UJ		F07,102
REG	Arsenic	8.5	MG/KG	=		
REG	Barium	131	MG/KG	J		I03
REG	Beryllium	0.97	MG/KG	J		D04
REG	Cadmium	2.9	MG/KG	=		
REG	Calcium	41000	MG/KG	=		
REG	Chromium	14.9	MG/KG	=		
REG	Cobalt	4.9	MG/KG	B	J	
REG	Copper	42.2	MG/KG	=		
REG	Iron	13400	MG/KG	=		
REG	Lead	72.2	MG/KG	=		
REG	Magnesium	5010	MG/KG	J		I02
REG	Manganese	749	MG/KG	=		
REG	Mercury	0.067	MG/KG	B	J	
REG	Nickel	11.9	MG/KG	=		
REG	Potassium	1150	MG/KG	J		I02
REG	Selenium	0.61	MG/KG	U	U	
REG	Silver	0.58	MG/KG	B	J	
REG	Sodium	272	MG/KG	B	J	
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	13.7	MG/KG	=		
REG	Zinc	151	MG/KG	J		I01,E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-131 PAD-66-1 16 ft NW of USAEHA #37/38

Northing: 563088.20
 Easting: 2358610.74
 Elevation:

WBGss-131-0720-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-131 PAD-66-1 15 ft NW of USAEHA #37/38

Northing: 563088.20
 Easting: 2358610.74
 Elevation:

WBGss-131-0720-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	2000	UG/KG		=	
REG	Fluorene	180	UG/KG	J	J	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	210	UG/KG	J	J	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	1400	UG/KG		=	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	1300	UG/KG		=	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-132 PAD-66-2 15 ft SW of USAEHA #39

Northing: 563008.27
 Easting: 2358652.53
 Elevation:

WBGss-132-0721-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.7	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13200	MG/KG		=	
REG	Antimony	5	MG/KG	J	J	I02
REG	Arsenic	12.3	MG/KG		=	
REG	Barium	499	MG/KG	J	J	I03
REG	Beryllium	0.35	MG/KG	B	U	F06
REG	Cadmium	0.72	MG/KG		=	
REG	Calcium	2260	MG/KG		=	
REG	Chromium	18.9	MG/KG		=	
REG	Cobalt	8.3	MG/KG	B	J	
REG	Copper	130	MG/KG		=	
REG	Iron	24600	MG/KG		=	
REG	Lead	115	MG/KG		=	
REG	Magnesium	2870	MG/KG	J	J	I02
REG	Manganese	464	MG/KG		=	
REG	Mercury	0.08	MG/KG	B	J	
REG	Nickel	19.9	MG/KG		=	
REG	Potassium	1350	MG/KG	J	J	I02
REG	Selenium	1.3	MG/KG		=	
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	59	MG/KG	B	J	
REG	Thallium	0.7	MG/KG	U	U	
REG	Vanadium	23.4	MG/KG		=	
REG	Zinc	470	MG/KG	J	J	I01, E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-133 PAD-66-3 10 ft S of pad

Northing: 562983.40
 Easting: 2358724.13
 Elevation:

WBGss-133-0722-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.67	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11500	MG/KG		=	
REG	Antimony	0.67	MG/KG	U	UJ	I02
REG	Arsenic	12.1	MG/KG		=	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-133 PAD-66-3 10 ft S of pad

Northing: 562983.40
 Easting: 2358724.13
 Elevation:

WBGss-133-0722-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Barium	1570	MG/KG	J		I03
REG	Beryllium	0.36	MG/KG	B	U	F06
REG	Cadmium	1.4	MG/KG	=		
REG	Calcium	1280	MG/KG	=		
REG	Chromium	14.5	MG/KG	=		
REG	Cobalt	7.1	MG/KG	B	J	
REG	Copper	87	MG/KG	=		
REG	Iron	23900	MG/KG	=		
REG	Lead	31.2	MG/KG	=		
REG	Magnesium	1950	MG/KG	J		I02
REG	Manganese	730	MG/KG	=		
REG	Mercury	0.28	MG/KG	=		
REG	Nickel	14.2	MG/KG	=		
REG	Potassium	943	MG/KG	J		I02
REG	Selenium	1.3	MG/KG	=		
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	43.5	MG/KG	B	J	
REG	Thallium	0.67	MG/KG	U	U	
REG	Vanadium	22.2	MG/KG	=		
REG	Zinc	185	MG/KG	J		I01,E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-134 PAD-66-4 10 ft E of pad

Northing: 563033.20
 Easting: 2358786.00
 Elevation:

WBGss-134-0723-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12900	MG/KG	=		
REG	Antimony	0.74	MG/KG	UJ		F07,I02
REG	Arsenic	12.4	MG/KG	=		
REG	Barium	756	MG/KG	J		I03
REG	Beryllium	0.43	MG/KG	B	U	F06
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	3440	MG/KG	=		
REG	Chromium	18.9	MG/KG	=		
REG	Cobalt	8.4	MG/KG	B	J	
REG	Copper	56.3	MG/KG	=		
REG	Iron	22300	MG/KG	=		
REG	Lead	36.3	MG/KG	=		
REG	Magnesium	3010	MG/KG	J		I02
REG	Manganese	437	MG/KG	=		
REG	Mercury	0.066	MG/KG	B	J	
REG	Nickel	20.6	MG/KG	=		
REG	Potassium	1480	MG/KG	J		I02
REG	Selenium	1.1	MG/KG	=		
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	74	MG/KG	B	J	
REG	Thallium	1.2	MG/KG	U		F07
REG	Vanadium	22	MG/KG	=		
REG	Zinc	170	MG/KG	L	J	I01,E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.15	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.95	MG/KG	J		
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.087	MG/KG	J	J	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.50	MG/KG	U		F01,F06
REG	Nitrobenzene	0.25	MG/KG	U	U	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-134 PAD-66-4 10 ft E of pad

Northing: 563033.20
 Easting: 2358788.00
 Elevation:

WBGss-134-0723-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrocellulose as N	5.9	MG/KG	UJ		A01,A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.18	MG/KG	J	J	
REG	Tetryl	0.16	MG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-135 PAD-66-5 10 ft N of pad

Northing: 563070.00
 Easting: 2358746.87
 Elevation:

WBGss-135-0724-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.58	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12800	MG/KG	=		
REG	Antimony	0.91	MG/KG	UJ		F07,102
REG	Arsenic	12.2	MG/KG	=		
REG	Barium	883	MG/KG	J		103
REG	Beryllium	0.58	MG/KG	U		F07
REG	Cadmium	0.58	MG/KG	U	U	
REG	Calcium	48600	MG/KG	=		
REG	Chromium	15.7	MG/KG	=		
REG	Cobalt	5.9	MG/KG	B	J	
REG	Copper	49.6	MG/KG	=		
REG	Iron	18100	MG/KG	=		
REG	Lead	34.7	MG/KG	=		
REG	Magnesium	3970	MG/KG	J		102
REG	Manganese	584	MG/KG	=		
REG	Mercury	0.058	MG/KG	B	J	
REG	Nickel	17.4	MG/KG	=		
REG	Potassium	1830	MG/KG	J		102
REG	Selenium	0.92	MG/KG	=		
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	162	MG/KG	B	J	
REG	Thallium	0.58	MG/KG	U	U	
REG	Vanadium	18.7	MG/KG	=		
REG	Zinc	96.7	MG/KG	J		101,E07

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-136 PAD-67-1 15 ft NW of WBGss-070

Northing: 563087.50
 Easting: 2358958.16
 Elevation:

WBGss-136-0725-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.66	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13200	MG/KG	=		
REG	Antimony	1.3	MG/KG	UJ		F07,102
REG	Arsenic	8.5	MG/KG	=		
REG	Barium	235	MG/KG	J		103
REG	Beryllium	0.53	MG/KG	B	U	F07
REG	Cadmium	0.68	MG/KG	U	U	
REG	Calcium	3170	MG/KG	=		
REG	Chromium	19.7	MG/KG	=		
REG	Cobalt	7.6	MG/KG	B	J	
REG	Copper	35.9	MG/KG	=		
REG	Iron	17400	MG/KG	=		
REG	Lead	48.5	MG/KG	=		
REG	Magnesium	2140	MG/KG	J		102
REG	Manganese	473	MG/KG	=		
REG	Mercury	0.072	MG/KG	B	J	

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-136 PAD-67-1 15 ft NW of WBGss-070

Northing: 563087.50
 Easting: 2358958.16
 Elevation:

WBGss-136-0726-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nickel	14	MG/KG	=		
REG	Potassium	1430	MG/KG	J		102
REG	Selenium	0.83	MG/KG	=		
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	72.9	MG/KG	B	J	
REG	Thallium	0.66	MG/KG	U	U	
REG	Vanadium	23.9	MG/KG	=		
REG	Zinc	96.4	MG/KG	J		101,E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-137 PAD-67-2 15 ft SW of WBGss-070

Northing: 563021.90
 Easting: 2358950.25
 Elevation:

WBGss-137-0726-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.68	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12800	MG/KG	=		
REG	Antimony	0.68	MG/KG	U	UJ	102
REG	Arsenic	8.5	MG/KG	=		
REG	Barium	582	MG/KG	J		103
REG	Beryllium	0.58	MG/KG	B	U	F08
REG	Cadmium	0.68	MG/KG	U	U	
REG	Calcium	1230	MG/KG	=		
REG	Chromium	15.4	MG/KG	=		
REG	Cobalt	7.5	MG/KG	B	J	
REG	Copper	47.6	MG/KG	=		
REG	Iron	18600	MG/KG	=		
REG	Lead	24	MG/KG	=		
REG	Magnesium	1990	MG/KG	J		102
REG	Manganese	898	MG/KG	=		
REG	Mercury	0.12	MG/KG	B	J	
REG	Nickel	14.1	MG/KG	=		
REG	Potassium	1050	MG/KG	J		102
REG	Selenium	1.6	MG/KG	=		
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	46.7	MG/KG	B	J	
REG	Thallium	0.68	MG/KG	U	U	
REG	Vanadium	24.6	MG/KG	=		
REG	Zinc	138	MG/KG	J		101,E07

WBGss-137-0867-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.68	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11800	MG/KG	=		
REG	Antimony	0.68	MG/KG	U	UJ	102
REG	Arsenic	10.2	MG/KG	=		
REG	Barium	858	MG/KG	J		103
REG	Beryllium	0.57	MG/KG	B	U	F06
REG	Cadmium	0.69	MG/KG	=		
REG	Calcium	1330	MG/KG	=		
REG	Chromium	14.4	MG/KG	=		
REG	Cobalt	7.9	MG/KG	B	J	
REG	Copper	66.5	MG/KG	=		
REG	Iron	19300	MG/KG	=		
REG	Lead	27.1	MG/KG	=		
REG	Magnesium	1870	MG/KG	J		102
REG	Manganese	1130	MG/KG	=		
REG	Mercury	0.11	MG/KG	B	J	
REG	Nickel	14.6	MG/KG	=		

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-137 PAD-67-2 16 ft SW of WBGss-070

Northing: 563021.90
 Easting: 2358950.25
 Elevation:

WBGss-137-0867-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Potassium	860	MG/KG	J		I02
REG	Selenium	1.5	MG/KG	=		
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	40.8	MG/KG	B	J	
REG	Thallium	0.68	MG/KG	U	U	
REG	Vanadium	23.6	MG/KG	=		
REG	Zinc	157	MG/KG	J		I01,E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-138 PAD-67-3 25 ft E of USAEHA # 40

Northing: 563048.27
 Easting: 2359111.63
 Elevation:

WBGss-138-0727-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	7570	MG/KG	=		
REG	Antimony	1.7	MG/KG	J		I02
REG	Arsenic	8.8	MG/KG	=		
REG	Barium	154	MG/KG	J		I03
REG	Beryllium	0.25	MG/KG	B	U	F06
REG	Cadmium	0.59	MG/KG	U	U	
REG	Calcium	1030	MG/KG	=		
REG	Chromium	8.9	MG/KG	=		
REG	Cobalt	5.4	MG/KG	B	J	
REG	Copper	17.9	MG/KG	=		
REG	Iron	14700	MG/KG	=		
REG	Lead	25	MG/KG	=		
REG	Magnesium	1480	MG/KG	J		I02
REG	Manganese	221	MG/KG	=		
REG	Mercury	0.11	MG/KG	B	J	
REG	Nickel	11.2	MG/KG	=		
REG	Potassium	538	MG/KG	B	J	I02
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	44	MG/KG	B	J	
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	13.7	MG/KG	=		
REG	Zinc	57.9	MG/KG	J		I01,E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-139 PAD-67-4 15 ft E of SE quadrant

Northing: 563011.40
 Easting: 2359113.93
 Elevation:

WBGss-139-0728-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.66	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Mercury	0.098	MG/KG	B	J	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-140 PAD-67-5 15 ft S of SE quadrant

Northing: 562989.66
 Easting: 2359050.02
 Elevation:

WBGss-140-0729-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.7	MG/KG	U	U	

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Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	15800	MG/KG	=		
REG	Antimony	0.82	MG/KG	UJ		F07,102
REG	Arsenic	12.5	MG/KG	=		
REG	Barium	1260	MG/KG	J		103
REG	Beryllium	0.48	MG/KG	B	U	F06
REG	Cadmium	0.7	MG/KG	U	U	
REG	Calcium	1640	MG/KG	=		
REG	Chromium	20.2	MG/KG	=		
REG	Cobalt	10.3	MG/KG	B	J	
REG	Copper	36.8	MG/KG	=		
REG	Iron	24700	MG/KG	=		
REG	Lead	24.9	MG/KG	=		
REG	Magnesium	2910	MG/KG	J		102
REG	Manganese	639	MG/KG	=		
REG	Mercury	0.17	MG/KG	=		
REG	Nickel	15.9	MG/KG	=		
REG	Potassium	1540	MG/KG	J		102
REG	Selenium	0.94	MG/KG	=		
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	65	MG/KG	B	J	
REG	Thallium	0.7	MG/KG	U	U	
REG	Vanadium	31.8	MG/KG	=		
REG	Zinc	123	MG/KG	J		101,E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	75	MG/KG	=		
REG	2,4-Dinitrotoluene	0.22	MG/KG	J		
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	25	MG/KG	U	U	
REG	3-Nitrotoluene	25	MG/KG	U	U	
REG	4-Nitrotoluene	25	MG/KG	U	U	
REG	HMX	50	MG/KG	U	U	
REG	Nitrobenzene	25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	UJ	A01
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01
REG	RDX	50	MG/KG	U	U	
REG	Tetryl	65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-141 PAD-68-1 10 ft S of pad

Northing: 563016.07
 Easting: 2359514.27
 Elevation:

WBGss-141-0730-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	1.2	MG/KG	=		

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11500	MG/KG	=		
REG	Antimony	22.3	MG/KG	J		102
REG	Arsenic	11.4	MG/KG	=		
REG	Barium	4370	MG/KG	J		103
REG	Beryllium	2	MG/KG	J		D04
REG	Cadmium	2.4	MG/KG	=		
REG	Calcium	17800	MG/KG	=		
REG	Chromium	38	MG/KG	=		
REG	Cobalt	1.4	MG/KG	B	J	
REG	Copper	183	MG/KG	=		
REG	Iron	23600	MG/KG	=		
REG	Lead	640	MG/KG	=		
REG	Magnesium	3980	MG/KG	J		102
REG	Manganese	763	MG/KG	=		
REG	Mercury	0.41	MG/KG	=		
REG	Nickel	16.2	MG/KG	=		
REG	Potassium	962	MG/KG	J		102
REG	Selenium	1.2	MG/KG	=		
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	280	MG/KG	B	J	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-141 PAD-68-1 10 ft S of pad

Northing: 563016.07
 Easting: 2359514.27
 Elevation:

WBGss-141-0730-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Thallium	0.66	MG/KG	U	U	
REG	Vanadium	14.1	MG/KG		=	
REG	Zinc	468	MG/KG		J	I01,E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.62	MG/KG		=	
REG	1,3-Dinitrobenzene	0.084	MG/KG	J	J	
REG	2,4,6-Trinitrotoluene	1.5	MG/KG		=	
REG	2,4-Dinitrotoluene	0.12	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.13	MG/KG	J	J	
REG	HMX	0.24	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	11	MG/KG	J	J	A01,A05
REG	Nitroglycerin	5.2	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01,A05
REG	RDX	0.34	MG/KG	J	J	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-142 PAD-68-2 10 ft E of pad

Northing: 563055.29
 Easting: 2359575.83
 Elevation:

WBGss-142-0731-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	15400	MG/KG		=	
REG	Antimony	2.8	MG/KG		J	I02
REG	Arsenic	10.1	MG/KG		=	
REG	Barium	10400	MG/KG		J	I03
REG	Beryllium	0.54	MG/KG	B	U	F06
REG	Cadmium	4.2	MG/KG		=	
REG	Calcium	5530	MG/KG		=	
REG	Chromium	17.9	MG/KG		=	
REG	Cobalt	19.1	MG/KG	U	U	
REG	Copper	158	MG/KG		=	
REG	Iron	18400	MG/KG		=	
REG	Lead	112	MG/KG		=	
REG	Magnesium	5470	MG/KG	J	J	I02
REG	Manganese	596	MG/KG		=	
REG	Mercury	1.2	MG/KG		=	
REG	Nickel	12.5	MG/KG		=	
REG	Potassium	747	MG/KG	J	J	I02
REG	Selenium	0.91	MG/KG		=	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	171	MG/KG	B	J	
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	16.8	MG/KG		=	
REG	Zinc	1040	MG/KG	J	J	I01,E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	6.2	MG/KG	U	U	
REG	1,3-Dinitrobenzene	6.2	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	17	MG/KG		=	
REG	2,4-Dinitrotoluene	0.38	MG/KG		=	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	6.2	MG/KG	U	U	
REG	3-Nitrotoluene	6.2	MG/KG	U	U	
REG	4-Nitrotoluene	6.2	MG/KG	U	U	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-142 PAD-68-2 10 ft E of pad

Northing: 563055.28
 Easting: 2359575.83
 Elevation:

WBGss-142-0731-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	HMX	12	MG/KG	U	U	
REG	Nitrobenzene	6.2	MG/KG	U	U	
REG	Nitrocellulose as N	3	MG/KG		J	A01
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01
REG	RDX	12	MG/KG	U	U	
REG	Tetryl	16	MG/KG	U	U	

WBGss-142-0868-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	6.2	MG/KG	U	U	
REG	1,3-Dinitrobenzene	6.2	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	27	MG/KG		=	
REG	2,4-Dinitrotoluene	0.43	MG/KG		=	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	6.2	MG/KG	U	U	
REG	3-Nitrotoluene	6.2	MG/KG	U	U	
REG	4-Nitrotoluene	6.2	MG/KG	U	U	
REG	HMX	12	MG/KG	U	U	
REG	Nitrobenzene	6.2	MG/KG	U	U	
REG	Nitrocellulose as N	6.3	MG/KG		J	A01
REG	Nitroglycerin	1.5	MG/KG	J	J	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A01
REG	RDX	12	MG/KG	U	U	
REG	Tetryl	16	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-143 PAD-88-3 10 ft N of pad

Northing: 563105.59
 Easting: 2359521.84
 Elevation:

WBGss-143-0732-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.57	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11500	MG/KG		=	
REG	Antimony	0.57	MG/KG	U	UJ	102
REG	Arsenic	10.6	MG/KG		=	
REG	Barium	702	MG/KG		J	103
REG	Beryllium	0.52	MG/KG	B	U	F06
REG	Cadmium	0.57	MG/KG	U	U	
REG	Calcium	11200	MG/KG		=	
REG	Chromium	15	MG/KG		=	
REG	Cobalt	6.9	MG/KG	B	J	
REG	Copper	22.8	MG/KG		=	
REG	Iron	21100	MG/KG		=	
REG	Lead	18.3	MG/KG		=	
REG	Magnesium	2850	MG/KG		J	102
REG	Manganese	447	MG/KG		=	
REG	Mercury	0.11	MG/KG	U	U	
REG	Nickel	16.8	MG/KG		=	
REG	Potassium	1300	MG/KG		J	102
REG	Selenium	1	MG/KG		=	
REG	Silver	1.1	MG/KG	U	U	
REG	Sodium	116	MG/KG	B	J	
REG	Thallium	0.57	MG/KG	U	U	
REG	Vanadium	21.1	MG/KG		=	
REG	Zinc	85.9	MG/KG		J	101,E07

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-144 DEAC.FURN-1 20 ft NE of RCRA boundary

Northing: 562798.20
 Easting: 2356261.09
 Elevation:

WBGss-144-0733-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab Data	Validation Code
REG	Cyanide	0.68	MG/KG	U U	

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Aluminum	15400	MG/KG	=	
REG	Antimony	0.68	MG/KG	U UJ	I02
REG	Arsenic	17.8	MG/KG	=	
REG	Barium	76	MG/KG	=	
REG	Beryllium	0.68	MG/KG	B U	F06
REG	Cadmium	1.1	MG/KG	=	
REG	Calcium	1080	MG/KG	=	
REG	Chromium	18.9	MG/KG	=	
REG	Cobalt	10	MG/KG	B J	
REG	Copper	38	MG/KG	L J	E07
REG	Iron	27600	MG/KG	=	
REG	Lead	27	MG/KG	J	I02
REG	Magnesium	2780	MG/KG	=	
REG	Manganese	722	MG/KG	=	
REG	Mercury	0.041	MG/KG	B J	
REG	Nickel	22.2	MG/KG	J	D05
REG	Potassium	1470	MG/KG	=	
REG	Selenium	0.88	MG/KG	U U	
REG	Silver	1.4	MG/KG	U U	
REG	Sodium	65.3	MG/KG	B U	F01,F06
REG	Thallium	0.68	MG/KG	U UJ	D05
REG	Vanadium	27.4	MG/KG	=	
REG	Zinc	149	MG/KG	J	I03

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U U	
REG	2,4,6-Trinitrotoluene	0.03	MG/KG	J J	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U U	
REG	2,6-Dinitrotoluene	0.075	MG/KG	J J	
REG	2-Nitrotoluene	0.25	MG/KG	U U	
REG	3-Nitrotoluene	0.25	MG/KG	U U	
REG	4-Nitrotoluene	0.25	MG/KG	U U	
REG	HMX	0.12	MG/KG	J J	
REG	Nitrobenzene	0.25	MG/KG	U U	
REG	Nitrocellulose as N	2	MG/KG	U UJ	A05
REG	Nitroglycerin	2.5	MG/KG	U U	
REG	Nitroguanidine	0.25	MG/KG	U UJ	A01,A05
REG	RDX	0.5	MG/KG	U U	
REG	Tetryl	0.65	MG/KG	U U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-145 DEAC.FORN-2 20 ft SE of RCRA boundary

Northing: 562807.29
 Easting: 2356102.80
 Elevation:

WBGss-145-0734-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab Data	Validation Code
REG	Cyanide	0.68	MG/KG	U U	

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Aluminum	20400	MG/KG	=	
REG	Antimony	24.8	MG/KG	J	I02
REG	Arsenic	15.5	MG/KG	=	
REG	Barium	145	MG/KG	=	
REG	Beryllium	0.59	MG/KG	B U	F06
REG	Cadmium	5	MG/KG	=	
REG	Calcium	1750	MG/KG	=	
REG	Chromium	23.1	MG/KG	=	
REG	Cobalt	9.7	MG/KG	B J	
REG	Copper	2230	MG/KG	J	E07

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-145 DEAC.FORN-2 20 ft SE of RCRA boundary

Northing: 562807.29
 Easting: 2356102.80
 Elevation:

WBGss-145-0734-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Iron	32800	MG/KG	=	
REG	Lead	359	MG/KG	J	I02
REG	Magnesium	2610	MG/KG	=	
REG	Manganese	803	MG/KG	=	
REG	Mercury	0.043	MG/KG	B J	
REG	Nickel	30.4	MG/KG	J	D05
REG	Potassium	1650	MG/KG	=	
REG	Selenium	1.1	MG/KG	=	
REG	Silver	1.3	MG/KG	U U	
REG	Sodium	75.8	MG/KG	B U	F01,F06
REG	Thallium	0.66	MG/KG	U UJ	D05
REG	Vanadium	24.3	MG/KG	=	
REG	Zinc	2410	MG/KG	J	I03

WBGss-145-0876-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab Data	Validation Code
REG	Cyanide	0.66	MG/KG	U U	

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Aluminum	18000	MG/KG	=	
REG	Antimony	4.4	MG/KG	J	I02
REG	Arsenic	20.8	MG/KG	=	
REG	Barium	123	MG/KG	=	
REG	Beryllium	0.66	MG/KG	U	F07
REG	Cadmium	4.3	MG/KG	=	
REG	Calcium	1580	MG/KG	=	
REG	Chromium	19.7	MG/KG	=	
REG	Cobalt	10.2	MG/KG	B J	
REG	Copper	491	MG/KG	J	E07
REG	Iron	24700	MG/KG	=	
REG	Lead	83.8	MG/KG	J	I02
REG	Magnesium	2990	MG/KG	=	
REG	Manganese	1010	MG/KG	=	
REG	Mercury	0.041	MG/KG	B J	
REG	Nickel	24.8	MG/KG	J	D05
REG	Potassium	1710	MG/KG	=	
REG	Selenium	0.66	MG/KG	U U	
REG	Silver	1.3	MG/KG	U U	
REG	Sodium	65.8	MG/KG	B U	F01,F06
REG	Thallium	0.66	MG/KG	U UJ	D05
REG	Vanadium	28.1	MG/KG	=	
REG	Zinc	774	MG/KG	J	I03

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-146 DEAC.FURN-3 20 ft NW of RCRA boundary

Northing: 562732.51
 Easting: 2356051.69
 Elevation:

WBGss-146-0735-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab Data	Validation Code
REG	Cyanide	0.68	MG/KG	=	

Sample Type	Metals	Result	Units	Qualifiers Lab Data	Validation Code
REG	Aluminum	28500	MG/KG	=	
REG	Antimony	19.4	MG/KG	J	I02
REG	Arsenic	11.8	MG/KG	=	
REG	Barium	280	MG/KG	=	
REG	Beryllium	0.57	MG/KG	U	F06
REG	Cadmium	234	MG/KG	=	
REG	Calcium	24200	MG/KG	=	
REG	Chromium	22.7	MG/KG	=	
REG	Cobalt	5.4	MG/KG	B J	
REG	Copper	16800	MG/KG	J	E07
REG	Iron	26900	MG/KG	=	

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-146 DEAC.FURN-3 20 ft NW of RCRA boundary

Northing: 562732.51
 Easting: 2356051.59
 Elevation:

WBGss-146-0736-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/88

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Lead	2200	MG/KG	J		102
REG	Magnesium	4150	MG/KG	=		
REG	Manganese	998	MG/KG	=		
REG	Mercury	0.34	MG/KG	=		
REG	Nickel	43.7	MG/KG	J		D05
REG	Potassium	1030	MG/KG	=		
REG	Selenium	1.8	MG/KG	=		
REG	Silver	33.2	MG/KG	=		
REG	Sodium	179	MG/KG	B	J	
REG	Thallium	0.56	MG/KG	U	UJ	D05
REG	Vanadium	11.9	MG/KG	=		
REG	Zinc	24900	MG/KG	J		103

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-147 DEAC.FURN-4 20 ft SW of RCRA boundary

Northing: 562674.64
 Easting: 2356009.35
 Elevation:

WBGss-147-0736-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/88

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	18700	MG/KG	=		
REG	Antimony	0.63	MG/KG	U	UJ	102
REG	Arsenic	17.2	MG/KG	=		
REG	Barium	54.8	MG/KG	=		
REG	Beryllium	0.62	MG/KG	B	U	F06
REG	Cadmium	0.63	MG/KG	U	U	
REG	Calcium	1060	MG/KG	=		
REG	Chromium	25	MG/KG	=		
REG	Cobalt	8.6	MG/KG	B	J	
REG	Copper	32.8	MG/KG	J		E07
REG	Iron	34700	MG/KG	=		
REG	Lead	19.6	MG/KG	J		102
REG	Magnesium	3970	MG/KG	=		
REG	Manganese	209	MG/KG	=		
REG	Mercury	0.13	MG/KG	U	U	
REG	Nickel	24.1	MG/KG	J		D05
REG	Potassium	1860	MG/KG	=		
REG	Selenium	0.63	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	77.8	MG/KG	B	U	F01,F08
REG	Thallium	0.63	MG/KG	U	UJ	D05
REG	Vanadium	31.7	MG/KG	=		
REG	Zinc	81.6	MG/KG	J		103

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-148 DEAC.FURN-5 50 ft E of RCRA boundary

Northing: 562673.14
 Easting: 2356225.75
 Elevation:

WBGss-148-0737-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/88

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11800	MG/KG	=		
REG	Antimony	1.5	MG/KG	J		102
REG	Arsenic	15.7	MG/KG	=		
REG	Barium	74	MG/KG	=		
REG	Beryllium	0.51	MG/KG	B	U	F06
REG	Cadmium	1.8	MG/KG	=		
REG	Calcium	2290	MG/KG	=		
REG	Chromium	15.8	MG/KG	=		

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-148 DEAC.FURN-5 50 ft E of RCRA boundary

Northing: 562673.14
 Easting: 2356225.75
 Elevation:

WBGss-148-0737-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cobalt	9.9	MG/KG	B	J	
REG	Copper	62.5	MG/KG		J	E07
REG	Iron	20400	MG/KG		=	
REG	Lead	55.1	MG/KG		J	102
REG	Magnesium	2370	MG/KG		=	
REG	Manganese	751	MG/KG		=	
REG	Mercury	0.028	MG/KG	B	J	
REG	Nickel	19.5	MG/KG		J	D05
REG	Potassium	1080	MG/KG		=	
REG	Selenium	0.62	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	72.5	MG/KG	B	U	F01,F06
REG	Thallium	0.62	MG/KG	U	UJ	D05
REG	Vanadium	22	MG/KG		=	
REG	Zinc	256	MG/KG		J	103

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-149 DEAC.FURN-8 60 ft W of RCRA boundary

Northing: 562692.18
 Easting: 2356072.16
 Elevation:

WBGss-149-0738-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.62	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12400	MG/KG		=	
REG	Antimony	0.89	MG/KG		J	102
REG	Arsenic	9.2	MG/KG		=	
REG	Barium	77	MG/KG		=	
REG	Beryllium	1.2	MG/KG		=	
REG	Cadmium	7.6	MG/KG		=	
REG	Calcium	28800	MG/KG		=	
REG	Chromium	11.8	MG/KG		=	
REG	Cobalt	4.6	MG/KG	B	J	
REG	Copper	261	MG/KG		J	E07
REG	Iron	16300	MG/KG		=	
REG	Lead	75.2	MG/KG		J	102
REG	Magnesium	5320	MG/KG		=	
REG	Manganese	535	MG/KG		=	
REG	Mercury	0.12	MG/KG	U	U	
REG	Nickel	14.7	MG/KG		J	D05
REG	Potassium	1430	MG/KG		=	
REG	Selenium	0.62	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	230	MG/KG	B	J	
REG	Thallium	0.62	MG/KG	U	UJ	D05
REG	Vanadium	14.6	MG/KG		=	
REG	Zinc	659	MG/KG		J	103

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-150 DEAC.FURN-7 50 ft N of RCRA boundary

Northing: 562742.44
 Easting: 2356124.35
 Elevation:

WBGss-150-0739-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.73	MG/KG		=	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13300	MG/KG		=	
REG	Antimony	1.1	MG/KG		J	102
REG	Arsenic	12.6	MG/KG		=	
REG	Barium	87.6	MG/KG		=	
REG	Beryllium	0.98	MG/KG		=	

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-150 DEAC.FURN-7 50 ft N of RCRA boundary

Northing: 562742.44
 Easting: 2356124.35
 Elevation:

WBGss-150-0739-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cadmium	3.3	MG/KG	=		
REG	Calcium	13200	MG/KG	=		
REG	Chromium	17.1	MG/KG	=		
REG	Cobalt	8.8	MG/KG	B	J	
REG	Copper	140	MG/KG	J		E07
REG	Iron	27400	MG/KG	=		
REG	Lead	85.8	MG/KG	J		I02
REG	Magnesium	4100	MG/KG	=		
REG	Manganese	828	MG/KG	=		
REG	Mercury	0.038	MG/KG	B	J	
REG	Nickel	23.3	MG/KG	J		D05
REG	Potassium	1130	MG/KG	=		
REG	Selenium	0.61	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	198	MG/KG	B	J	
REG	Thallium	0.61	MG/KG	U	UJ	D05
REG	Vanadium	19.8	MG/KG	=		
REG	Zinc	391	MG/KG	J		I03

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-153 PAD-37 Road E east adjacent to - SLAG-1

Northing: 562374.27
 Easting: 2358752.15
 Elevation:

WBGss-153-0742-SO Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/08/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.5	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	29200	MG/KG	J		F10
REG	Antimony	0.5	MG/KG	U	UJ	I02
REG	Arsenic	0.31	MG/KG	B	J	
REG	Barium	495	MG/KG	=		
REG	Beryllium	7.8	MG/KG	=		
REG	Cadmium	0.5	MG/KG	U	U	
REG	Calcium	228000	MG/KG	=		
REG	Chromium	27.3	MG/KG	=		
REG	Cobalt	15	MG/KG	U	U	
REG	Copper	3.4	MG/KG	U		F07
REG	Iron	1350	MG/KG	=		
REG	Lead	5.6	MG/KG	=		
REG	Magnesium	53700	MG/KG	=		
REG	Manganese	4270	MG/KG	=		
REG	Mercury	0.1	MG/KG	U	U	
REG	Nickel	4	MG/KG	U	UJ	D05
REG	Potassium	3710	MG/KG	=		
REG	Selenium	1.5	MG/KG	=		
REG	Silver	1	MG/KG	U	U	
REG	Sodium	2320	MG/KG	=		
REG	Thallium	1	MG/KG	U	U	
REG	Vanadium	23.2	MG/KG	=		
REG	Zinc	9.3	MG/KG	U		F07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-154 PAD-37 Road E east adjacent to - SLAG-2

Northing: 562369.27
 Easting: 2358682.15
 Elevation:

WBGss-154-0743-SO Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/08/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.5	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	30700	MG/KG	J		F10
REG	Antimony	0.4	MG/KG	B	J	I02

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-154 PAD-37 Road E east adjacent to - SLAG-2

Northing: 562369.27
 Easting: 2356682.15
 Elevation:

WBGss-154-0743-SO Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/06/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.59	MG/KG	=		
REG	Barium	301	MG/KG	=		
REG	Beryllium	10.9	MG/KG	=		
REG	Cadmium	0.5	MG/KG	U	U	
REG	Calcium	247000	MG/KG	=		
REG	Chromium	3.4	MG/KG	=		
REG	Cobalt	0.92	MG/KG	B	J	
REG	Copper	0.63	MG/KG	B	U	F06
REG	Iron	2720	MG/KG	=		
REG	Lead	0.3	MG/KG	U	U	
REG	Magnesium	49700	MG/KG	=		
REG	Manganese	1190	MG/KG	=		
REG	Mercury	0.1	MG/KG	U	U	
REG	Nickel	4	MG/KG	U	UJ	D05
REG	Potassium	1920	MG/KG	=		
REG	Selenium	2	MG/KG	=		
REG	Silver	1	MG/KG	U	U	
REG	Sodium	1770	MG/KG	=		
REG	Thallium	0.5	MG/KG	U	U	
REG	Vanadium	4.8	MG/KG	B	J	
REG	Zinc	2	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-168 PAD-66 Demolition Area No. 2 SB-13B

Northing: 663033.20
 Easting: 2358761.00
 Elevation:

WBGss-168-0768-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/29/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.78	MG/KG	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	11200	MG/KG	=		
REG	Antimony	11.2	MG/KG	J		102
REG	Arsenic	15.1	MG/KG	=		
REG	Barium	698	MG/KG	=		
REG	Beryllium	0.39	MG/KG	B	U	F06
REG	Cadmium	1.2	MG/KG	=		
REG	Calcium	12100	MG/KG	=		
REG	Chromium	26.6	MG/KG	=		
REG	Cobalt	7.6	MG/KG	B	J	
REG	Copper	1920	MG/KG	=		
REG	Iron	27400	MG/KG	=		
REG	Lead	1010	MG/KG	=		
REG	Magnesium	3330	MG/KG	=		
REG	Manganese	799	MG/KG	J		101
REG	Mercury	0.052	MG/KG	B	J	
REG	Nickel	21.3	MG/KG	=		
REG	Potassium	1360	MG/KG	=		
REG	Selenium	0.62	MG/KG	U	U	
REG	Silver	1.8	MG/KG	=		
REG	Sodium	187	MG/KG	B	J	
REG	Thallium	0.62	MG/KG	U	U	
REG	Vanadium	17.6	MG/KG	=		
REG	Zinc	690	MG/KG	MBB	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	28	MG/KG	J	J	
REG	1,3-Dinitrobenzene	62	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	480	MG/KG	=		
REG	2,4-Dinitrotoluene	0.55	MG/KG	=		
REG	2,6-Dinitrotoluene	0.62	MG/KG	=		
REG	2-Nitrotoluene	62	MG/KG	U	U	
REG	3-Nitrotoluene	21	MG/KG	J	J	
REG	4-Nitrotoluene	62	MG/KG	U	U	
REG	HMX	40	MG/KG	J	J	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGas-168 PAD-66 Demolition Area No. 2 SB-13B

Northing: 563033.20
 Easting: 2358751.00
 Elevation:

WBGss-168-0768-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/29/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrobenzene	62	MG/KG	U	U	
REG	Nitrocellulose as N	32.2	MG/KG	J		A05
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	UJ	A05
REG	RDX	80	MG/KG	J	J	
REG	Tetryl	160	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGas-169 PAD-59A

Northing: 562945.40
 Easting: 2355895.00
 Elevation:

WBGss-169-0884-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/28/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.6	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14700	MG/KG	=		
REG	Antimony	3.9	MG/KG	J		I02
REG	Arsenic	11.6	MG/KG	=		
REG	Barium	58.4	MG/KG	=		
REG	Beryllium	0.39	MG/KG	B	U	F06
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	1120	MG/KG	=		
REG	Chromium	17.4	MG/KG	=		
REG	Cobalt	8.8	MG/KG	B	J	
REG	Copper	48.9	MG/KG	=		
REG	Iron	21800	MG/KG	=		
REG	Lead	41.6	MG/KG	J		I01
REG	Magnesium	2580	MG/KG	=		
REG	Manganese	605	MG/KG	=		
REG	Mercury	0.063	MG/KG	B	U	F01,F06
REG	Nickel	19.4	MG/KG	=		
REG	Potassium	1180	MG/KG	=		
REG	Selenium	0.8	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	79.2	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.6	MG/KG	U	U	
REG	Vanadium	24.3	MG/KG	=		
REG	Zinc	96.9	MG/KG	MBB	=	

WBGas-169-0897-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/26/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12300	MG/KG	=		
REG	Antimony	12.2	MG/KG	J		I02
REG	Arsenic	12.1	MG/KG	=		
REG	Barium	58	MG/KG	=		
REG	Beryllium	0.37	MG/KG	B	U	F06
REG	Cadmium	0.59	MG/KG	=		
REG	Calcium	1280	MG/KG	=		
REG	Chromium	17.8	MG/KG	=		
REG	Cobalt	8.9	MG/KG	B	J	
REG	Copper	120	MG/KG	=		
REG	Iron	21700	MG/KG	=		
REG	Lead	95.5	MG/KG	J		I01
REG	Magnesium	2290	MG/KG	=		
REG	Manganese	329	MG/KG	=		
REG	Mercury	0.064	MG/KG	B	U	F01,F06
REG	Nickel	22	MG/KG	=		
REG	Potassium	888	MG/KG	=		
REG	Selenium	0.59	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
Station: WBGss-169 PAD-59A

Northing: 562945.40
Easting: 2355895.00
Elevation:

WBGss-169-0897-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 04/26/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Silver	0.84	MG/KG	B	J	
REG	Sodium	68.6	MG/KG	B	R	F01,F06,F10
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	19.2	MG/KG		=	
REG	Zinc	205	MG/KG	MBB	=	

Location: WINKLEPECK BURNING GROUND
Station: WBGss-170 PAD-68 center of burn area

Northing: 562964.60
Easting: 2355816.00
Elevation:

WBGss-170-0881-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.69	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9630	MG/KG		=	
REG	Antimony	12.9	MG/KG		J	102
REG	Arsenic	23.5	MG/KG		=	
REG	Barium	204	MG/KG		J	102
REG	Beryllium	0.62	MG/KG	B	J	102
REG	Cadmium	14	MG/KG		=	
REG	Calcium	13500	MG/KG		=	
REG	Chromium	46.4	MG/KG		=	
REG	Cobalt	7.8	MG/KG	B	J	
REG	Copper	653	MG/KG		=	
REG	Iron	21500	MG/KG		=	
REG	Lead	385	MG/KG		=	
REG	Magnesium	3080	MG/KG		J	
REG	Manganese	522	MG/KG		J	D04
REG	Mercury	1.1	MG/KG		=	
REG	Nickel	25.4	MG/KG		=	
REG	Potassium	1080	MG/KG		=	
REG	Selenium	0.77	MG/KG		U	F07
REG	Silver	5.8	MG/KG		=	
REG	Sodium	223	MG/KG	B	J	
REG	Thallium	0.69	MG/KG	U	U	
REG	Vanadium	15.1	MG/KG		=	
REG	Zinc	863	MG/KG		J	E07

Location: WINKLEPECK BURNING GROUND
Station: WBGss-171 PAD-58A

Northing: 562864.60
Easting: 2355647.00
Elevation:

WBGss-171-0882-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14000	MG/KG		=	
REG	Antimony	2.8	MG/KG		J	102
REG	Arsenic	14.3	MG/KG		=	
REG	Barium	101	MG/KG		J	102
REG	Beryllium	0.43	MG/KG	B	J	102
REG	Cadmium	1	MG/KG		=	
REG	Calcium	3870	MG/KG		=	
REG	Chromium	23.7	MG/KG		=	
REG	Cobalt	8.4	MG/KG	B	J	
REG	Copper	138	MG/KG		=	
REG	Iron	25100	MG/KG		=	
REG	Lead	89.4	MG/KG		=	
REG	Magnesium	2810	MG/KG		=	
REG	Manganese	436	MG/KG		J	D04,103
REG	Mercury	0.32	MG/KG		=	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
Station: WBGss-171 PAD-58A

Northing: 562964.60
Easting: 2355647.00
Elevation:

WBGss-171-0882-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nickel	24.1	MG/KG	=		
REG	Potassium	1550	MG/KG	=		
REG	Selenium	0.81	MG/KG	U	U	
REG	Silver	1.9	MG/KG	=		
REG	Sodium	76.2	MG/KG	B	U	F01,F06
REG	Thallium	0.93	MG/KG	U		F07
REG	Vanadium	23.9	MG/KG	=		
REG	Zinc	485	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
Station: WBGss-172 PAD-59 center of burn area

Northing: 562970.40
Easting: 2355875.00
Elevation:

WBGss-172-0883-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.6	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12700	MG/KG	=		
REG	Antimony	8.3	MG/KG	J		I02
REG	Arsenic	11.4	MG/KG	=		
REG	Barium	56.2	MG/KG	J		I02
REG	Beryllium	0.3	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.6	MG/KG	U	U	
REG	Calcium	1070	MG/KG	=		
REG	Chromium	18.6	MG/KG	=		
REG	Cobalt	8.8	MG/KG	B	J	
REG	Copper	54.6	MG/KG	=		
REG	Iron	22700	MG/KG	=		
REG	Lead	36.7	MG/KG	=		
REG	Magnesium	2460	MG/KG	J		I03
REG	Manganese	243	MG/KG	J		D04
REG	Mercury	0.063	MG/KG	B	U	F01,F08
REG	Nickel	20	MG/KG	=		
REG	Potassium	1120	MG/KG	=		
REG	Selenium	0.8	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	87.4	MG/KG	B	U	F01,F06
REG	Thallium	0.8	MG/KG	U	U	
REG	Vanadium	22.4	MG/KG	=		
REG	Zinc	129	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
Station: WBGss-173 PAD-60 center of burn area

Northing: 562989.00
Easting: 2358264.00
Elevation:

WBGss-173-0885-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/26/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.6	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	50100	MG/KG	=		
REG	Antimony	2.9	MG/KG	J		I02
REG	Arsenic	9.1	MG/KG	=		
REG	Barium	84.8	MG/KG	J		I02
REG	Beryllium	0.33	MG/KG	B	UJ	F06,I02
REG	Cadmium	6.8	MG/KG	=		
REG	Calcium	1490	MG/KG	=		
REG	Chromium	15.6	MG/KG	=		
REG	Cobalt	9.3	MG/KG	B	J	
REG	Copper	132	MG/KG	=		
REG	Iron	18700	MG/KG	=		
REG	Lead	156	MG/KG	=		

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-173 PAD-60 center of burn area

Northing: 662989.00
 Easting: 2356254.00
 Elevation:

WBGss-173-0885-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/26/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Magnesium	1730	MG/KG	J		I03
REG	Manganese	883	MG/KG	J		D04
REG	Mercury	0.068	MG/KG	B	U	F01,F06
REG	Nickel	13.2	MG/KG		=	
REG	Potassium	721	MG/KG		=	
REG	Selenium	0.6	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	61.5	MG/KG	B	U	F01,F06
REG	Thallium	0.8	MG/KG	U	U	
REG	Vanadium	20.3	MG/KG		=	
REG	Zinc	274	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-174 PAD-60A

Northing: 562959.00
 Easting: 2356254.00
 Elevation:

WBGss-174-0888-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/26/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	20100	MG/KG		=	
REG	Antimony	8.3	MG/KG	J		I02
REG	Arsenic	13.4	MG/KG		=	
REG	Barium	140	MG/KG	J		I02
REG	Beryllium	0.27	MG/KG	B	UJ	F06,I02
REG	Cadmium	4	MG/KG		=	
REG	Calcium	3730	MG/KG		=	
REG	Chromium	36.4	MG/KG		=	
REG	Cobalt	8.3	MG/KG	B	J	
REG	Copper	316	MG/KG		=	
REG	Iron	29700	MG/KG		=	
REG	Lead	1810	MG/KG		=	
REG	Magnesium	2980	MG/KG	J		I03
REG	Manganese	441	MG/KG	J		D04
REG	Mercury	0.088	MG/KG	B	U	F01,F06
REG	Nickel	22.5	MG/KG		=	
REG	Potassium	3050	MG/KG		=	
REG	Selenium	0.83	MG/KG	U	U	
REG	Silver	1.4	MG/KG		=	
REG	Sodium	1080	MG/KG		=	
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	34	MG/KG		=	
REG	Zinc	568	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-175 PAD-37 center of burn area

Northing: 562312.70
 Easting: 2358773.00
 Elevation:

WBGss-175-0887-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.68	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14900	MG/KG		=	
REG	Antimony	1.7	MG/KG	J		I02
REG	Arsenic	14.1	MG/KG		=	
REG	Barium	117	MG/KG	J		I02
REG	Beryllium	0.44	MG/KG	B	UJ	F06,I02
REG	Cadmium	4.1	MG/KG		=	
REG	Calcium	7530	MG/KG		=	
REG	Chromium	24.9	MG/KG		=	
REG	Cobalt	8.1	MG/KG	B	J	

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-175 PAD-37 center of burn area

Northing: 562312.70
 Easting: 2358773.00
 Elevation:

WBGss-175-0887-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Copper	54.8	MG/KG	=		
REG	Iron	25800	MG/KG	=		
REG	Lead	118	MG/KG	=		
REG	Magnesium	2960	MG/KG	J		I03
REG	Manganese	511	MG/KG	J		D04
REG	Mercury	0.062	MG/KG	B	U	F01,F06
REG	Nickel	20	MG/KG	=		
REG	Potassium	2040	MG/KG	=		
REG	Selenium	0.68	MG/KG	U	U	
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	80.3	MG/KG	B	U	F01,F06
REG	Thallium	0.68	MG/KG	U	U	
REG	Vanadium	28	MG/KG	=		
REG	Zinc	208	MG/KG	J		E07

Northing: 563008.95
 Easting: 2359514.20
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-176 PAD-68 center of burn area

WBGss-176-0888-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/28/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	8270	MG/KG	=		
REG	Antimony	2.8	MG/KG	J		I02
REG	Arsenic	11.1	MG/KG	=		
REG	Barium	2800	MG/KG	J		I02
REG	Beryllium	0.35	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.68	MG/KG	=		
REG	Calcium	1920	MG/KG	=		
REG	Chromium	12.3	MG/KG	=		
REG	Cobalt	6.4	MG/KG	B	J	
REG	Copper	44.1	MG/KG	=		
REG	Iron	19100	MG/KG	=		
REG	Lead	77.9	MG/KG	=		
REG	Magnesium	1600	MG/KG	J		I03
REG	Manganese	734	MG/KG	J		D04
REG	Mercury	0.36	MG/KG	=		
REG	Nickel	11.5	MG/KG	=		
REG	Potassium	537	MG/KG	B	J	
REG	Selenium	0.97	MG/KG	U	U	F07
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	58.5	MG/KG	B	U	F01,F06
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	17.2	MG/KG	=		
REG	Zinc	331	MG/KG	J		E07

Northing: 563055.22
 Easting: 2359584.43
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-177 PAD-88A

WBGss-177-0889-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9950	MG/KG	=		
REG	Antimony	4.1	MG/KG	J		I02
REG	Arsenic	22.7	MG/KG	=		
REG	Barium	4660	MG/KG	J		I02
REG	Beryllium	0.21	MG/KG	B	UJ	F06,I02
REG	Cadmium	1.1	MG/KG	=		

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Location: WINKLEPECK BURNING GROUND
Station: WBGss-177 PAD-68A

Northing: 563055.22
Easting: 2359584.43
Elevation:

WBGss-177-0889-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Calcium	5670	MG/KG	=		
REG	Chromium	21.1	MG/KG	=		
REG	Cobalt	1.2	MG/KG	B	J	
REG	Copper	43.5	MG/KG	=		
REG	Iron	15300	MG/KG	=		
REG	Lead	148	MG/KG	=		
REG	Magnesium	2470	MG/KG	J		I03
REG	Manganese	349	MG/KG	J		D04
REG	Mercury	0.23	MG/KG	=		
REG	Nickel	12.6	MG/KG	=		
REG	Potassium	497	MG/KG	B	J	
REG	Selenium	0.68	MG/KG	U		F07
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	116	MG/KG	B	U	F01,F06
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	15.5	MG/KG	=		
REG	Zinc	299	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
Station: WBGss-178 PAD-67 center of burn area

Northing: 562982.15
Easting: 2359052.76
Elevation:

WBGss-178-0890-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Cyanide	0.68	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	11700	MG/KG	=		
REG	Antimony	1.6	MG/KG	J		I02
REG	Arsenic	13.3	MG/KG	=		
REG	Barium	1160	MG/KG	J		I02
REG	Beryllium	0.45	MG/KG	B	UJ	F06,I02
REG	Cadmium	0.68	MG/KG	U	U	
REG	Calcium	1500	MG/KG	=		
REG	Chromium	17.8	MG/KG	=		
REG	Cobalt	11.1	MG/KG	B	J	
REG	Copper	49.2	MG/KG	=		
REG	Iron	26600	MG/KG	=		
REG	Lead	32	MG/KG	=		
REG	Magnesium	2350	MG/KG	J		I03
REG	Manganese	801	MG/KG	J		D04
REG	Mercury	0.1	MG/KG	B	U	F01,F06
REG	Nickel	16.6	MG/KG	=		
REG	Potassium	1190	MG/KG	=		
REG	Selenium	0.68	MG/KG	U	U	
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	71.9	MG/KG	B	U	F01,F06
REG	Thallium	0.68	MG/KG	U	U	
REG	Vanadium	24.8	MG/KG	=		
REG	Zinc	128	MG/KG	J		E07

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	0.12	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1.6	MG/KG	=		
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.35	MG/KG	J	J	
REG	Nitrobenzene	0.035	MG/KG	J	J	
REG	Nitrocellulose as N	2.5	MG/KG	J		I02
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-178 PAD-67 center of burn area

Northing: 562982.15
 Easting: 2359052.76
 Elevation:

WBGss-178-0880-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	RDX	0.24	MG/KG	J	J	
REG	Tetryl	0.093	MG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-179 PAD-67A

Northing: 562974.63
 Easting: 2359055.49
 Elevation:

WBGss-179-0891-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.65	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12800	MG/KG	=		
REG	Antimony	2.3	MG/KG	J		102
REG	Arsenic	18.4	MG/KG	=		
REG	Barium	2260	MG/KG	J		102
REG	Beryllium	0.41	MG/KG	B	UJ	F06,102
REG	Cadmium	0.65	MG/KG	U	U	
REG	Calcium	1530	MG/KG	=		
REG	Chromium	18.2	MG/KG	=		
REG	Cobalt	9.8	MG/KG	B	J	
REG	Copper	42.7	MG/KG	=		
REG	Iron	32200	MG/KG	=		
REG	Lead	31.5	MG/KG	=		
REG	Magnesium	2870	MG/KG	J		103
REG	Manganese	1070	MG/KG	J		D04
REG	Mercury	0.081	MG/KG	B	U	F01,F06
REG	Nickel	15.7	MG/KG	=		
REG	Potassium	1120	MG/KG	=		
REG	Selenium	0.65	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	91.2	MG/KG	B	U	F01,F06
REG	Thallium	0.65	MG/KG	U	U	
REG	Vanadium	28.8	MG/KG	=		
REG	Zinc	204	MG/KG	J		E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-187 PAD-37

Northing: 562353.76
 Easting: 2358778.24
 Elevation:

WBGss-187-0912-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 06/06/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12300	MG/KG	=		
REG	Antimony	2.1	MG/KG	J		102
REG	Arsenic	12.4	MG/KG	=		
REG	Barium	97.2	MG/KG	=		
REG	Beryllium	0.34	MG/KG	B	U	F06
REG	Cadmium	9.8	MG/KG	=		
REG	Calcium	6320	MG/KG	=		
REG	Chromium	19.2	MG/KG	=		
REG	Cobalt	7.7	MG/KG	B	J	
REG	Copper	50.2	MG/KG	=		
REG	Iron	22200	MG/KG	MBB	=	
REG	Lead	68.9	MG/KG	=		
REG	Magnesium	2780	MG/KG	=		
REG	Manganese	551	MG/KG	J		D04
REG	Mercury	0.063	MG/KG	B	U	F01,F06
REG	Nickel	16.9	MG/KG	=		
REG	Potassium	988	MG/KG	=		
REG	Selenium	0.64	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
Station: WBGss-187 PAD-37

Northing: 562353.76
Easting: 2368778.24
Elevation:

WBGss-187-0912-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	105	MG/KG	B	U	F01,F06
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	21.9	MG/KG	=		
REG	Zinc	149	MG/KG	MBB	J	E07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1.9	MG/KG	=		
REG	2,4-Dinitrotoluene	0.14	MG/KG	J	J	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.61	MG/KG	=		
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	315	MG/KG	=		
REG	Nitroglycerin	12	MG/KG	=		
REG	Nitroguanidine	0.25	MG/KG	U	U	
REG	RDX	2.4	MG/KG	=		
REG	Tetryl	0.65	MG/KG	U	U	

Northing: 563053.72
Easting: 2360373.42
Elevation:

Location: WINKLEPECK BURNING GROUND
Station: WBGss-188 PAD-70 center of burn area

WBGss-188-0913-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.64	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13500	MG/KG	=		
REG	Antimony	0.64	MG/KG	U	UJ	I02
REG	Arsenic	12.3	MG/KG	=		
REG	Barium	87.6	MG/KG	=		
REG	Beryllium	0.39	MG/KG	B	U	F06
REG	Cadmium	0.64	MG/KG	U	U	
REG	Calcium	7980	MG/KG	=		
REG	Chromium	20.4	MG/KG	=		
REG	Cobalt	9.8	MG/KG	B	J	
REG	Copper	19.9	MG/KG	=		
REG	Iron	25300	MG/KG	MBB	=	
REG	Lead	16.6	MG/KG	=		
REG	Magnesium	4180	MG/KG	=		
REG	Manganese	457	MG/KG	J		D04
REG	Mercury	0.058	MG/KG	B	U	F01,F06
REG	Nickel	23.6	MG/KG	=		
REG	Potassium	1800	MG/KG	=		
REG	Selenium	0.64	MG/KG	U	U	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	85.4	MG/KG	B	U	F01,F06
REG	Thallium	0.64	MG/KG	U	U	
REG	Vanadium	23.6	MG/KG	=		
REG	Zinc	62.8	MG/KG	MBB	J	E07

WBGss-188-0923-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.59	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
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Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-188 PAD-70 center of burn area

Northing: 563053.72
 Easting: 2360373.42
 Elevation:

WBGss-188-0923-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 05/06/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	15200	MG/KG	=		
REG	Antimony	0.59	MG/KG	U	UJ	102
REG	Arsenic	11.9	MG/KG	=		
REG	Barium	93	MG/KG	=		
REG	Beryllium	0.71	MG/KG	=		
REG	Cadmium	0.69	MG/KG	U	U	
REG	Calcium	22500	MG/KG	=		
REG	Chromium	18.8	MG/KG	=		
REG	Cobalt	9.9	MG/KG	B	J	
REG	Copper	18.7	MG/KG	=		
REG	Iron	22900	MG/KG	MBB	=	
REG	Lead	16.4	MG/KG	=		
REG	Magnesium	5870	MG/KG	=		
REG	Manganese	811	MG/KG	J		D04
REG	Mercury	0.045	MG/KG	B	U	F01,F06
REG	Nickel	22.7	MG/KG	=		
REG	Potassium	2320	MG/KG	=		
REG	Selenium	0.59	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	153	MG/KG	B	J	
REG	Thallium	0.59	MG/KG	U	U	
REG	Vanadium	23.9	MG/KG	=		
REG	Zinc	65.5	MG/KG	MBB	J	E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-189 PAD-70-1

Northing: 563082.72
 Easting: 2380368.42
 Elevation:

WBGss-189-0914-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.61	MG/KG	U	U	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14000	MG/KG	=		
REG	Antimony	0.61	MG/KG	U	UJ	102
REG	Arsenic	11	MG/KG	=		
REG	Barium	88.4	MG/KG	=		
REG	Beryllium	0.63	MG/KG	=		
REG	Cadmium	0.61	MG/KG	U	U	
REG	Calcium	13500	MG/KG	=		
REG	Chromium	18.6	MG/KG	=		
REG	Cobalt	9.8	MG/KG	B	J	
REG	Copper	18.3	MG/KG	=		
REG	Iron	22500	MG/KG	MBB	=	
REG	Lead	22.9	MG/KG	=		
REG	Magnesium	4080	MG/KG	=		
REG	Manganese	579	MG/KG	J		D04
REG	Mercury	0.039	MG/KG	B	U	F01,F06
REG	Nickel	21.6	MG/KG	=		
REG	Potassium	1990	MG/KG	=		
REG	Selenium	0.61	MG/KG	U	U	
REG	Silver	1.2	MG/KG	U	U	
REG	Sodium	94.4	MG/KG	B	U	F01,F06
REG	Thallium	0.61	MG/KG	U	U	
REG	Vanadium	24	MG/KG	=		
REG	Zinc	85.7	MG/KG	MBB	J	E07

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-190 PAD-70-2

Northing: 563062.72
 Easting: 2360328.42
 Elevation:

WBGss-190-0915-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	400	UG/KG	U	U	

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-190 PAD-70-2

Northing: 563062.72
 Easting: 2380328.42
 Elevation:

WBGss-190-0915-SO 0.0 - 1.0 FT

Field Sample Type: Grab Matrix: Surface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2-Dichlorobenzene	400	UG/KG	U	U	
REG	1,3-Dichlorobenzene	400	UG/KG	U	U	
REG	1,4-Dichlorobenzene	400	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	400	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	400	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	400	UG/KG	U	U	
REG	2,4-Dichlorophenol	400	UG/KG	U	U	
REG	2,4-Dimethylphenol	400	UG/KG	U	U	
REG	2,4-Dinitrophenol	980	UG/KG	U	U	
REG	2,4-Dinitrotoluene	400	UG/KG	U	U	
REG	2,6-Dinitrotoluene	400	UG/KG	U	U	
REG	2-Chloronaphthalene	400	UG/KG	U	U	
REG	2-Chlorophenol	400	UG/KG	U	U	
REG	2-Methylnaphthalene	400	UG/KG	U	U	
REG	2-Methylphenol	400	UG/KG	U	U	
REG	2-Nitroaniline	980	UG/KG	U	U	
REG	2-Nitrophenol	400	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	400	UG/KG	U	U	
REG	3-Nitroaniline	980	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	980	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	400	UG/KG	U	U	
REG	4-Chloroaniline	400	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	400	UG/KG	U	U	
REG	4-Methylphenol	400	UG/KG	U	U	
REG	4-Nitroaniline	980	UG/KG	U	U	
REG	4-Nitrophenol	980	UG/KG	U	U	
REG	4-chloro-3-methylphenol	400	UG/KG	U	U	
REG	Acenaphthene	400	UG/KG	U	U	
REG	Acenaphthylene	400	UG/KG	U	U	
REG	Anthracene	400	UG/KG	U	U	
REG	Benzo(a)anthracene	160	UG/KG	J	J	
REG	Benzo(a)pyrene	160	UG/KG	J	J	
REG	Benzo(b)fluoranthene	230	UG/KG	J	J	
REG	Benzo(g,h,i)perylene	110	UG/KG	J	J	
REG	Benzo(k)fluoranthene	91	UG/KG	J	J	
REG	Bis(2-chloroethoxy)methane	400	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	400	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	400	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	400	UG/KG	U	U	
REG	Carbazole	400	UG/KG	U	U	
REG	Chrysene	180	UG/KG	J	J	
REG	Di-n-butyl Phthalate	400	UG/KG	U	U	
REG	Di-n-octyl Phthalate	400	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	400	UG/KG	U	U	
REG	Dibenzofuran	400	UG/KG	U	U	
REG	Diethyl Phthalate	400	UG/KG	U	U	
REG	Dimethyl Phthalate	400	UG/KG	U	U	
REG	Fluoranthene	390	UG/KG	J	J	
REG	Fluorene	400	UG/KG	U	U	
REG	Hexachlorobenzene	400	UG/KG	U	U	
REG	Hexachlorobutadiene	400	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	400	UG/KG	U	U	
REG	Hexachloroethane	400	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	130	UG/KG	J	J	
REG	Isophorone	400	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	400	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	400	UG/KG	U	U	
REG	Naphthalene	400	UG/KG	U	U	
REG	Nitrobenzene	400	UG/KG	U	U	
REG	Pentachlorophenol	400	UG/KG	U	U	
REG	Phenanthrene	170	UG/KG	J	J	
REG	Phenol	400	UG/KG	U	U	
REG	Pyrene	300	UG/KG	J	J	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	6.1	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.1	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.1	UG/KG	U	U	

Ravenna Army Annunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-190 PAD-70-2

Northing: 583062.72
 Easting: 2380328.42
 Elevation:

WBGss-190-0915-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1-Dichloroethane	6.1	UG/KG	U	U	
REG	1,1-Dichloroethene	6.1	UG/KG	U	U	
REG	1,2-Dichloroethane	6.1	UG/KG	U	U	
REG	1,2-Dichloroethene	6.1	UG/KG	U	U	
REG	1,2-Dichloropropane	6.1	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.1	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.1	UG/KG	U	U	
REG	2-Butanone	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	U	
REG	Benzene	6.1	UG/KG	U	U	
REG	Bromodichloromethane	6.1	UG/KG	U	U	
REG	Bromoform	6.1	UG/KG	U	U	
REG	Bromomethane	12	UG/KG	U	U	
REG	Carbon Disulfide	6.1	UG/KG	U	U	
REG	Carbon Tetrachloride	6.1	UG/KG	U	U	
REG	Chlorobenzene	6.1	UG/KG	U	U	
REG	Chloroethane	12	UG/KG	U	U	
REG	Chloroform	6.1	UG/KG	U	U	
REG	Chloromethane	12	UG/KG	U	U	
REG	Dibromochloromethane	6.1	UG/KG	U	U	
REG	Ethylbenzene	6.1	UG/KG	U	U	
REG	Methylene Chloride	6.1	UG/KG	U	U	
REG	Styrene	6.1	UG/KG	U	U	
REG	Tetrachloroethene	6.1	UG/KG	U	U	
REG	Toluene	1.8	UG/KG	J	J	
REG	Trichloroethene	6.1	UG/KG	U	U	
REG	Vinyl Chloride	12	UG/KG	U	U	
REG	Xylenes, Total	6.1	UG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-191 PAD-70-3

Northing: 563094.72
 Easting: 2360283.42
 Elevation:

WBGss-191-0916-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	410	UG/KG	U	U	
REG	1,2-Dichlorobenzene	410	UG/KG	U	U	
REG	1,3-Dichlorobenzene	410	UG/KG	U	U	
REG	1,4-Dichlorobenzene	410	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	410	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	410	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	410	UG/KG	U	U	
REG	2,4-Dichlorophenol	410	UG/KG	U	U	
REG	2,4-Dimethylphenol	410	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	410	UG/KG	U	U	
REG	2,6-Dinitrotoluene	410	UG/KG	U	U	
REG	2-Chloronaphthalene	410	UG/KG	U	U	
REG	2-Chlorophenol	410	UG/KG	U	U	
REG	2-Methylnaphthalene	47	UG/KG	J	J	
REG	2-Methylphenol	410	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	410	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	410	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	410	UG/KG	U	U	
REG	4-Chloroaniline	410	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	410	UG/KG	U	U	
REG	4-Methylphenol	410	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	U	
REG	4-chloro-3-methylphenol	410	UG/KG	U	U	
REG	Acenaphthene	150	UG/KG	J	J	
REG	Acenaphthylene	410	UG/KG	U	U	
REG	Anthracene	480	UG/KG	=	=	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-191 PAD-70-3

Northing: 563094.72
 Easting: 2360283.42
 Elevation:

WBGss-191-0916-SO 0.0 - 1.0 FT

Field Sample Type: Grab Matrix: Surface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Benzo(a)anthracene	1000	UG/KG	=		
REG	Benzo(a)pyrene	800	UG/KG	=		
REG	Benzo(b)fluoranthene	1100	UG/KG	=		
REG	Benzo(g,h,i)perylene	390	UG/KG	J	J	
REG	Benzo(k)fluoranthene	500	UG/KG	=		
REG	Bis(2-chloroethoxy)methane	410	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	410	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	410	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	410	UG/KG	U	U	
REG	Carbazole	270	UG/KG	J	J	
REG	Chrysene	1000	UG/KG	=		
REG	Di-n-butyl Phthalate	410	UG/KG	U	U	
REG	Di-n-octyl Phthalate	410	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	110	UG/KG	J	J	
REG	Dibenzofuran	160	UG/KG	J	J	
REG	Diethyl Phthalate	410	UG/KG	U	U	
REG	Dimethyl Phthalate	410	UG/KG	U	U	
REG	Fluoranthene	2700	UG/KG	=		
REG	Fluorene	240	UG/KG	J	J	
REG	Hexachlorobenzene	410	UG/KG	U	U	
REG	Hexachlorobutadiene	410	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	410	UG/KG	U	U	
REG	Hexachloroethane	410	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	480	UG/KG	=		
REG	Isophorone	410	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	410	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	410	UG/KG	U	U	
REG	Naphthalene	410	UG/KG	U	U	
REG	Nitrobenzene	410	UG/KG	U	U	
REG	Pentachlorophenol	410	UG/KG	U	U	
REG	Phenanthrene	2400	UG/KG	=		
REG	Phenol	410	UG/KG	U	U	
REG	Pyrene	2100	UG/KG	=		

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	6.2	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.2	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.2	UG/KG	U	U	
REG	1,1-Dichloroethane	6.2	UG/KG	U	U	
REG	1,1-Dichloroethane	6.2	UG/KG	U	U	
REG	1,2-Dichloroethane	6.2	UG/KG	U	U	
REG	1,2-Dichloroethane	6.2	UG/KG	U	U	
REG	1,2-Dichloropropane	6.2	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.2	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.2	UG/KG	U	U	
REG	2-Butanone	12	UG/KG	U	U	
REG	2-Hexanone	12	UG/KG	U	U	
REG	4-Methyl-2-pentanone	12	UG/KG	U	U	
REG	Acetone	12	UG/KG	U	U	
REG	Benzene	6.2	UG/KG	U	U	
REG	Bromodichloromethane	6.2	UG/KG	U	U	
REG	Bromoform	6.2	UG/KG	U	U	
REG	Bromomethane	12	UG/KG	U	U	
REG	Carbon Disulfide	6.2	UG/KG	U	U	
REG	Carbon Tetrachloride	6.2	UG/KG	U	U	
REG	Chlorobenzene	6.2	UG/KG	U	U	
REG	Chloroethane	12	UG/KG	U	U	
REG	Chloroform	6.2	UG/KG	U	U	
REG	Chloromethane	12	UG/KG	U	U	
REG	Dibromochloromethane	6.2	UG/KG	U	U	
REG	Ethylbenzene	6.2	UG/KG	U	U	
REG	Methylene Chloride	6.2	UG/KG	U	U	
REG	Styrene	6.2	UG/KG	U	U	
REG	Tetrachloroethene	6.2	UG/KG	U	U	
REG	Toluene	1.6	UG/KG	J	J	
REG	Trichloroethene	6.2	UG/KG	U	U	
REG	Vinyl Chloride	12	UG/KG	U	U	
REG	Xylenes, Total	6.2	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-192 PAD-70-4

Northing: 563117.30
 Easting: 2360282.00
 Elevation:

WBGss-192-0917-SO 0.0 - 1.0 FT

Field Sample Type: Grab Matrix: Surface Soil

Collected: 05/06/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
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	370	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	U	
REG	2,4-Dinitrotoluene	370	UG/KG	U	U	
REG	2,6-Dinitrotoluene	370	UG/KG	U	U	
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	370	UG/KG	U	U	
REG	3-Nitroaniline	890	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	890	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	
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	U	
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	Nitrobenzene	370	UG/KG	U	U	
REG	Pentachlorophenol	370	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	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5.6	UG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-192 PAD-70-4

Northing: 563117.30
 Easting: 2360282.00
 Elevation:

WBGss-192-0917-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,2,2-Tetrachloroethane	5.8	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.8	UG/KG	U	U	
REG	1,1-Dichloroethane	5.6	UG/KG	U	U	
REG	1,1-Dichloroethene	5.6	UG/KG	U	U	
REG	1,2-Dichloroethane	5.6	UG/KG	U	U	
REG	1,2-Dichloroethene	5.6	UG/KG	U	U	
REG	1,2-Dichloropropane	5.6	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.8	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.8	UG/KG	U	U	
REG	2-Butanone	11	UG/KG	U	U	
REG	2-Hexanone	11	UG/KG	U	U	
REG	4-Methyl-2-pentanone	11	UG/KG	U	U	
REG	Acetone	11	UG/KG	U	U	
REG	Benzene	5.8	UG/KG	U	U	
REG	Bromodichloromethane	5.8	UG/KG	U	U	
REG	Bromoform	5.8	UG/KG	U	U	
REG	Bromomethane	11	UG/KG	U	U	
REG	Carbon Disulfide	5.6	UG/KG	U	U	
REG	Carbon Tetrachloride	5.8	UG/KG	U	U	
REG	Chlorobenzene	5.8	UG/KG	U	U	
REG	Chloroethane	11	UG/KG	U	U	
REG	Chloroform	5.6	UG/KG	U	U	
REG	Chloromethane	11	UG/KG	U	U	
REG	Dibromochloromethane	5.6	UG/KG	U	U	
REG	Ethylbenzene	5.8	UG/KG	U	U	
REG	Methylene Chloride	5.6	UG/KG	U	U	
REG	Styrene	5.6	UG/KG	U	U	
REG	Tetrachloroethene	5.8	UG/KG	U	U	
REG	Toluene	0.79	UG/KG	J	J	
REG	Trichloroethene	5.8	UG/KG	U	U	
REG	Vinyl Chloride	11	UG/KG	U	U	
REG	Xylenes, Total	5.6	UG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-193 PAD-82 center of burn area

Northing: 563010.40
 Easting: 2357123.00
 Elevation:

WBGss-193-0932-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.72	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10500	MG/KG		J	F10
REG	Antimony	1.3	MG/KG		J	102
REG	Arsenic	11.1	MG/KG		=	
REG	Barium	276	MG/KG		=	
REG	Beryllium	0.32	MG/KG	B	J	
REG	Cadmium	2.8	MG/KG		=	
REG	Calcium	4770	MG/KG		=	
REG	Chromium	18.5	MG/KG		=	
REG	Cobalt	8.3	MG/KG	B	J	
REG	Copper	55.8	MG/KG		=	
REG	Iron	20800	MG/KG		=	
REG	Lead	124	MG/KG		=	
REG	Magnesium	2490	MG/KG		=	
REG	Manganese	591	MG/KG		=	
REG	Mercury	0.033	MG/KG	B	J	
REG	Nickel	19.1	MG/KG		J	D05
REG	Potassium	1120	MG/KG		=	
REG	Selenium	1.1	MG/KG		=	
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	80.7	MG/KG	B	U	F01,F08
REG	Thallium	0.72	MG/KG	U	U	
REG	Vanadium	21.6	MG/KG		=	
REG	Zinc	699	MG/KG		=	

Ravenna Army Ammunition Plant Phase II RI

WBGss-193-0933-FD 0.0 - 1.0 FT

Field Sample Type: Field Duplicate

Matrix: Surface Soil

Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.71	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10000	MG/KG	J		F10
REG	Antimony	1.3	MG/KG	J		I02
REG	Arsenic	11.1	MG/KG	=		
REG	Barium	290	MG/KG	=		
REG	Beryllium	0.36	MG/KG	B	J	
REG	Cadmium	2.7	MG/KG	=		
REG	Calcium	13500	MG/KG	=		
REG	Chromium	17.2	MG/KG	=		
REG	Cobalt	8.2	MG/KG	B	J	
REG	Copper	88.3	MG/KG	=		
REG	Iron	21500	MG/KG	=		
REG	Lead	132	MG/KG	=		
REG	Magnesium	2570	MG/KG	=		
REG	Manganese	628	MG/KG	=		
REG	Mercury	0.037	MG/KG	B	J	
REG	Nickel	18.6	MG/KG	J		D05
REG	Potassium	968	MG/KG	=		
REG	Selenium	0.75	MG/KG	=		
REG	Silver	1.4	MG/KG	U	U	
REG	Sodium	98.7	MG/KG	B	U	F01,F06
REG	Thallium	0.71	MG/KG	U	U	
REG	Vanadium	20.4	MG/KG	=		
REG	Zinc	729	MG/KG	=		

Location: WINKLEPECK BURNING GROUND
Station: WBGss-194 PAD-62A

Northing: 562987.36
Easting: 2357098.06
Elevation:

WBGss-194-0935-SO 0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10800	MG/KG	J		F10
REG	Antimony	1.5	MG/KG	J		I02
REG	Arsenic	9.9	MG/KG	=		
REG	Barium	212	MG/KG	=		
REG	Beryllium	0.35	MG/KG	B	J	
REG	Cadmium	2.1	MG/KG	=		
REG	Calcium	3070	MG/KG	=		
REG	Chromium	20	MG/KG	=		
REG	Cobalt	8.4	MG/KG	B	J	
REG	Copper	43.2	MG/KG	=		
REG	Iron	23200	MG/KG	=		
REG	Lead	333	MG/KG	=		
REG	Magnesium	1950	MG/KG	=		
REG	Manganese	777	MG/KG	=		
REG	Mercury	0.048	MG/KG	B	J	
REG	Nickel	17.6	MG/KG	J		D05
REG	Potassium	1010	MG/KG	=		
REG	Selenium	0.94	MG/KG	=		
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	114	MG/KG	B	J	
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	27.3	MG/KG	=		
REG	Zinc	280	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.071	MG/KG	J	J	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.45	MG/KG	U	U	F02,F07
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-194 PAD-62A

Northing: 562987.36
 Easting: 2357098.05
 Elevation:

WBGss-194-0935-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/07/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.12	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.088	MG/KG	J	J	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-195 PAD-61 center of burn area

Northing: 562995.90
 Easting: 2358605.77
 Elevation:

WBGss-195-0936-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12300	MG/KG		J	F10
REG	Antimony	0.48	MG/KG	B	J	102
REG	Arsenic	14.5	MG/KG		=	
REG	Barium	84.7	MG/KG		=	
REG	Beryllium	0.36	MG/KG	B	J	
REG	Cadmium	0.63	MG/KG	U	U	
REG	Calcium	1360	MG/KG		=	
REG	Chromium	17.2	MG/KG		=	
REG	Cobalt	8.4	MG/KG	B	J	
REG	Copper	42.4	MG/KG		=	
REG	Iron	24500	MG/KG		=	
REG	Lead	23.4	MG/KG		=	
REG	Magnesium	2510	MG/KG		=	
REG	Manganese	548	MG/KG		=	
REG	Mercury	0.04	MG/KG	B	J	
REG	Nickel	17.3	MG/KG		J	D05
REG	Potassium	997	MG/KG		=	
REG	Selenium	1.1	MG/KG		=	
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	65.8	MG/KG	B	U	F01,F08
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	22.8	MG/KG		=	
REG	Zinc	86.4	MG/KG		=	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-196 PAD-61A

Northing: 562978.50
 Easting: 2358691.00
 Elevation:

WBGss-196-0937-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/07/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.63	MG/KG	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	10100	MG/KG		J	F10
REG	Antimony	0.68	MG/KG		J	102
REG	Arsenic	12.3	MG/KG		=	
REG	Barium	91	MG/KG		=	
REG	Beryllium	0.23	MG/KG	B	J	
REG	Cadmium	2.7	MG/KG		=	
REG	Calcium	2210	MG/KG		=	
REG	Chromium	15.6	MG/KG		=	
REG	Cobalt	7.8	MG/KG	B	J	
REG	Copper	52.7	MG/KG		=	
REG	Iron	23600	MG/KG		=	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-196 PAD-61A

Northing: 562978.50
 Easting: 2356591.00
 Elevation:

WBGss-196-0937-SO 0.0 - 1.0 FT

Field Sample Type: Grab Matrix: Surface Soil

Collected: 05/07/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Lead	44.2	MG/KG	=		
REG	Magnesium	2390	MG/KG	=		
REG	Manganese	377	MG/KG	=		
REG	Mercury	0.039	MG/KG	B	J	
REG	Nickel	16.5	MG/KG	J		D05
REG	Potassium	660	MG/KG	=		
REG	Selenium	1.3	MG/KG	=		
REG	Silver	1.3	MG/KG	U	U	
REG	Sodium	64.4	MG/KG	B	U	F01,F06
REG	Thallium	0.63	MG/KG	U	U	
REG	Vanadium	19.1	MG/KG	=		
REG	Zinc	229	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.25	MG/KG	U	U	
REG	1,3-Dinitrobenzene	0.25	MG/KG	U	U	
REG	2,4,6-Trinitrotoluene	0.25	MG/KG	U	U	
REG	2,4-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2,6-Dinitrotoluene	0.25	MG/KG	U	U	
REG	2-Nitrotoluene	0.25	MG/KG	U	U	
REG	3-Nitrotoluene	0.25	MG/KG	U	U	
REG	4-Nitrotoluene	0.25	MG/KG	U	U	
REG	HMX	0.11	MG/KG	J	J	
REG	Nitrobenzene	0.25	MG/KG	U	U	
REG	Nitrocellulose as N	2	MG/KG	U	U	
REG	Nitroglycerin	2.5	MG/KG	U	U	
REG	Nitroguanidine	0.25	MG/KG	U	U	
REG	RDX	0.5	MG/KG	U	U	
REG	Tetryl	0.65	MG/KG	U	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGsw-157 Mack's Pond

Northing: 561389.10
 Easting: 2358332.30
 Elevation:

WBGsw-157(p)-0763-S

Field Sample Type: Grab Matrix: Surface Water

Collected: 04/27/98

Sample Type	Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Filtered Cyanide	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cyanide	0.01	MG/L	U	U	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	188	UG/L	B	U	F01,F06,101
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	7.9	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	5730	UG/L	J		E07
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	5.5	UG/L	B	J	
REG	Iron	867	UG/L	=		
REG	Lead	3	UG/L	U	U	
REG	Magnesium	1750	UG/L	B	J	
REG	Manganese	103	UG/L	=		
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	524	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	1450	UG/L	B	J	
REG	Thallium	2	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGsw-157 Mack's Pond

Northing: 561369.10
 Easting: 2358332.30
 Elevation:

WBGsw-157(p)-0783-S

Field Sample Type: Grab Matrix: Surface Water

Collected: 04/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	18.4	UG/L	B	J	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	200	UG/L	U	U	I01
REG	Antimony	5	UG/L	U	U	
REG	Arsenic	5	UG/L	U	U	
REG	Barium	5.8	UG/L	B	J	
REG	Beryllium	4	UG/L	U	U	
REG	Cadmium	5	UG/L	U	U	
REG	Calcium	6080	UG/L		J	E07
REG	Chromium	10	UG/L	U	U	
REG	Cobalt	50	UG/L	U	U	
REG	Copper	25	UG/L	U	U	
REG	Iron	422	UG/L		=	
REG	Lead	3	UG/L	U	U	
REG	Magnesium	1960	UG/L	B	J	
REG	Manganese	105	UG/L		=	
REG	Mercury	0.2	UG/L	U	U	
REG	Nickel	40	UG/L	U	U	
REG	Potassium	588	UG/L	B	J	
REG	Selenium	5	UG/L	U	U	
REG	Silver	10	UG/L	U	U	
REG	Sodium	700	UG/L	B	J	
REG	Thallium	2	UG/L	U	U	
REG	Vanadium	50	UG/L	U	U	
REG	Zinc	16	UG/L	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.2	UG/L	U	UJ	P01
REG	1,3-Dinitrobenzene	0.2	UG/L	U	UJ	P01
REG	2,4,6-Trinitrotoluene	0.2	UG/L	U	UJ	P01
REG	2,4-Dinitrotoluene	0.13	UG/L	U	UJ	P01
REG	2,6-Dinitrotoluene	0.13	UG/L	U	UJ	P01
REG	2-Nitrotoluene	0.2	UG/L	U	UJ	P01
REG	3-Nitrotoluene	0.2	UG/L	U	UJ	P01
REG	4-Nitrotoluene	0.2	UG/L	U	UJ	P01
REG	HMX	0.5	UG/L	U	UJ	P01
REG	Nitrobenzene	0.2	UG/L	U	UJ	P01
REG	Nitroglycerin	2.5	UG/L	U	UJ	P01
REG	RDX	0.5	UG/L	U	U	
REG	Tetryl	0.2	UG/L	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro- <i>o</i> -Cresol	25	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGsw-157 Mack's Pond

Northing: 561369.10
 Easting: 2358332.30
 Elevation:

WBGsw-157(p)-0783-S

Field Sample Type: Grab Matrix: Surface Water

Collected: 04/27/88

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	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-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloropropane	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	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	7.2	UG/L	J	J	C05
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	6	UG/L	U	U	
REG	Bromomethane	10	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	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGsw-157 Mack's Pond

Northing: 561369.10
 Easting: 2358332.30
 Elevation:

WBGsw-157(p)-0783-S

Field Sample Type: Grab Matrix: Surface Water

Collected: 04/27/98

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Chloromethane	10	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	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	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

FIELD EXPLOSIVE DATA

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-155(d) SEDIMENT-1 SE drainage - 300 ft from WBGsd-
 Northing: 561148.90
 Easting: 2356471.82
 Elevation:

WBGsd-155(d)-0744-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-156(d) SEDIMENT-2 E drainage - colocate with WBGsd
 Northing: 562924.61
 Easting: 2360432.44
 Elevation:

WBGsd-156(d)-0745-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-167(d) SEDIMENT-3 Mack's Pond
 Northing: 561905.46
 Easting: 2359939.07
 Elevation:

WBGsd-167(d)-0746-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGsd-158(p) SEDIMENT-4 Downstream of Mack's before Sand
 Northing: 561389.36
 Easting: 2358368.89
 Elevation:

WBGsd-158(p)-0747-SD 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Sediment Collected: 04/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-005 PAD-05 SB-12 Soil Boring - 12
 Northing: 561606.90
 Easting: 2356315.00
 Elevation:

WBGso-005-0765-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-006 PAD-06 SB-11 Soil Boring - 11
 Northing: 561619.00
 Easting: 2356725.00
 Elevation:

WBGso-006-0764-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-035 PAD-38 SB-10 Soil Boring - 10
 Northing: 562364.20
 Easting: 2358137.00
 Elevation:

WBGso-035-0763-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-037 PAD-40 SB-8 Soil Boring - 8

Northing: 562394.00
 Easting: 2355910.00
 Elevation:

WBGso-037-0761-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-054 PAD-58 SB-3B Soil Boring - 3B

Northing: 562964.60
 Easting: 2355632.00
 Elevation:

WBGso-054-0753-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 06/05/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-055 PAD-59 SB-4 Soil Boring - 4

Northing: 562970.40
 Easting: 2355895.00
 Elevation:

WBGso-055-0754-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

WBGso-066-0755-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-057 PAD-60 SB-5 Soil Boring - 5

Northing: 562972.76
 Easting: 2356327.64
 Elevation:

WBGso-057-0756-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

WBGso-057-0757-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-059 PAD-61 SB-7 Soil Boring - 7

Northing: 562998.50
 Easting: 2356691.00
 Elevation:

WBGso-059-0760-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-062 PAD-82 SB-6 Soil Boring - 6

Northing: 563010.40
 Easting: 2357138.00
 Elevation:

WBGso-062-0758-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Ravenna Army Ammunition Plant Phase II RI

WBGso-062-0759-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station: WBGso-069 PAD-66 SB-2 Soil Boring - 2

Northing: 563033.82
Easting: 2358745.96
Elevation:

WBGso-069-0750-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	4	UG/G		
REG	RDX	1	UG/G	U	

WBGso-069-0751-SO 4.0 - 5.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	8	UG/G		
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station: WBGso-070 PAD-67 SB-1 Soil Boring - 1

Northing: 563059.90
Easting: 2358980.80
Elevation:

WBGso-070-0748-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

WBGso-070-0749-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station: WBGso-073 PAD-68 SB-3 Soil Boring - 3

Northing: 563059.30
Easting: 2359530.00
Elevation:

WBGso-073-0762-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/24/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station: WBGso-107 PAD-37 SB-13 Soil Boring - 13

Northing: 562312.69
Easting: 2358766.50
Elevation:

WBGso-107-0766-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station: WBGso-122 PAD-60 Demolition Area No. 2 SB-14

Northing: 562974.00
Easting: 2356254.00
Elevation:

WBGso-122-0767-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-140 PAD-67 Demolition Area No. 2 SB-16

Northing: 562989.66
 Easting: 2359050.02
 Elevation:

WBGso-140-0769-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-141 PAD-68-1 Demolition Area No. 2 SB-18

Northing: 563016.07
 Easting: 2359514.27
 Elevation:

WBGso-141-0771-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-142 PAD-68-2 Demolition Area No. 2 SB-19 -

Northing: 563055.28
 Easting: 2359575.83
 Elevation:

WBGso-142-0772-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-168 PAD-88 Demolition Area No. 2 SB-13B

Northing: 563033.20
 Easting: 2358751.00
 Elevation:

WBGso-168-0773-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/05/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		7 UG/G		
REG	RDX		4 UG/G		

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-178 PAD-67 center of burn area

Northing: 562982.15
 Easting: 2359052.76
 Elevation:

WBGso-178-0928-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-185 PAD-37 SB-9 Soil Boring - 9

Northing: 562345.00
 Easting: 2358695.00
 Elevation:

WBGso-185-0762-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/25/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGso-186 PAD-67 Demolition Area No. 2 SB-17

Northing: 563063.90
 Easting: 2359020.78
 Elevation:

WBGso-186-0770-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 04/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		23 UG/G		
REG	RDX		20.5 UG/G		

WBGso-186-0927-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Ravenna Army Ammunition Plant Phase II RI

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		3 UG/G		
REG	RDX		4 UG/G		

Location: WINKLEPECK BURNING GROUND
Station : WBGso-187 PAD-37

Northing: 562353.76
Easting: 2358778.24
Elevation:

WBGso-187-0940-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/08/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station : WBGso-188 PAD-70 center of burn area

Northing: 563053.72
Easting: 2360373.42
Elevation:

WBGso-188-0918-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		3 UG/G		
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station : WBGso-189 PAD-70-1

Northing: 563082.72
Easting: 2360358.42
Elevation:

WBGso-189-0919-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station : WBGso-190 PAD-70-2

Northing: 563062.72
Easting: 2360328.42
Elevation:

WBGso-190-0920-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

WBGso-190-0930-SO 4.0 - 8.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station : WBGso-191 PAD-70-3

Northing: 563094.72
Easting: 2360283.42
Elevation:

WBGso-191-0921-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
Station : WBGso-192 PAD-70-4

Northing: 563117.30
Easting: 2360282.00
Elevation:

WBGso-192-0922-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

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WBGso-192-0929-SO 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND Northing: 562978.50
 Station: WBGso-196 PAD-61A Easting: 2356591.00
 Elevation:

WBGso-196-0943-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Subsurface Soil Collected: 05/08/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND Northing: 661635.09
 Station: WBGso-100 PAD-05-1 NW quadrant of pad Easting: 2356304.74
 Elevation:

WBGss-100-0688-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND Northing: 561630.90
 Station: WBGss-101 PAD-05-2 NE of quadrant of pad Easting: 2356356.57
 Elevation:

WBGss-101-0690-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND Northing: 561585.15
 Station: WBGss-102 PAD-05-3 S half of pad Easting: 2356326.14
 Elevation:

WBGss-102-0691-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND Northing: 561644.39
 Station: WBGss-103 PAD-06-1 NW quadrant of pad Easting: 2356707.22
 Elevation:

WBGss-103-0692-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND Northing: 561640.85
 Station: WBGss-104 PAD-06-2 NE quadrant of pad Easting: 2356751.05
 Elevation:

WBGss-104-0693-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-105 PAD-06-3 S half of pad

Northing: 561587.49
 Easting: 2356719.44
 Elevation:

WBGss-105-0694-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-106 PAD-37-1 15 ft NW of pad

Northing: 562405.45
 Easting: 2358652.52
 Elevation:

WBGss-106-0695-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-107 PAD-37-2 15 ft SE of pad

Northing: 562312.69
 Easting: 2358766.50
 Elevation:

WBGss-107-0696-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	8.5	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-108 PAD-38-1 N half of pad

Northing: 562364.20
 Easting: 2359061.00
 Elevation:

WBGss-108-0697-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-109 PAD-38-2 S half of pad

Northing: 562308.92
 Easting: 2359111.22
 Elevation:

WBGss-109-0698-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-110 PAD-38-3 5 ft E of pad

Northing: 562364.20
 Easting: 2359178.00
 Elevation:

WBGss-110-0699-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-111 PAD-40-1 NW quadrant of pad

Northing: 562416.52
 Easting: 2359897.00
 Elevation:

WBGss-111-0700-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-112 PAD-40-2 NE quadrant of pad
 Northing: 562405.29
 Easting: 2359941.01
 Elevation:

WBGss-112-0701-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-113 PAD-40-3 S half of pad
 Northing: 562359.53
 Easting: 2359903.92
 Elevation:

WBGss-113-0702-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-114 PAD-58-1 NW quadrant of pad
 Northing: 562984.53
 Easting: 2355608.25
 Elevation:

WBGss-114-0703-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-115 PAD-58-2 NE quadrant of pad
 Northing: 562981.86
 Easting: 2355652.68
 Elevation:

WBGss-115-0704-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-116 PAD-58-3 5 ft S of pad
 Northing: 562941.46
 Easting: 2355604.42
 Elevation:

WBGss-116-0705-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-117 PAD-59-1 NW quadrant of pad
 Northing: 563002.90
 Easting: 2356900.73
 Elevation:

WBGss-117-0708-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		4 UG/G		

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-118 PAD-59-2 SW quadrant of pad
 Northing: 562940.90
 Easting: 2355946.10
 Elevation:

WBGss-118-0707-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

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Location: WINKLEPECK BURNING GROUND
 Station : WBGss-119 PAD-59-3 5 ft W of pad

Northing: 562967.34
 Easting: 2355873.21
 Elevation:

WBGss-119-0708-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 562932.00
 Easting: 2356296.00
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-120 PAD-60-1 5 ft S of pad

WBGss-120-0709-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 562974.00
 Easting: 2356375.00
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-121 PAD-60-2 5 ft E of pad

WBGss-121-0710-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 562974.00
 Easting: 2356254.00
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-122 PAD-60-3 5 ft W of pad

WBGss-122-0711-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		3.4 UG/G		

Northing: 563016.00
 Easting: 2356296.00
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-123 PAD-60-4 5 ft N of pad

WBGss-123-0712-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G		
REG	RDX		1 UG/G	U	

Northing: 562946.41
 Easting: 2356634.71
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-124 PAD-61-1 5 ft S of pad

WBGss-124-0713-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 562985.65
 Easting: 2356663.88
 Elevation:

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-125 PAD-61-2 5 ft E of pad

WBGss-125-0714-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-126 PAD-61-3 5 ft W of pad
 Northing: 563004.06
 Easting: 2356559.49
 Elevation:

WBGss-126-0715-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-127 PAD-61-4 5 ft N of pad
 Northing: 563016.12
 Easting: 2356605.78
 Elevation:

WBGss-127-0716-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-128 PAD-62-1 5 ft S of pad
 Northing: 562963.42
 Easting: 2357120.90
 Elevation:

WBGss-128-0717-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-129 PAD-62-2 6 ft E of pad
 Northing: 563002.71
 Easting: 2357159.35
 Elevation:

WBGss-129-0718-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-130 PAD-62-3 5 ft N of pad
 Northing: 563029.19
 Easting: 2357144.84
 Elevation:

WBGss-130-0719-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-131 PAD-66-1 16 ft NW of USAEHA #37/38
 Northing: 563088.20
 Easting: 2358610.74
 Elevation:

WBGss-131-0720-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-132 PAD-66-2 15 ft SW of USAEHA #39
 Northing: 563008.27
 Easting: 2358652.53
 Elevation:

WBGss-132-0721-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

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Location: WINKLEPECK BURNING GROUND
Station: WBGss-133 PAD-66-3 10 ft S of pad

Northing: 562983.40
Easting: 2358724.13
Elevation:

WBGss-133-0722-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 563033.20
Easting: 2358786.00
Elevation:

Location: WINKLEPECK BURNING GROUND
Station: WBGss-134 PAD-66-4 10 ft E of pad

WBGss-134-0723-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 563070.00
Easting: 2358746.87
Elevation:

Location: WINKLEPECK BURNING GROUND
Station: WBGss-135 PAD-66-5 10 ft N of pad

WBGss-135-0724-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 563087.50
Easting: 2358968.16
Elevation:

Location: WINKLEPECK BURNING GROUND
Station: WBGss-136 PAD-67-1 15 ft NW of WBGss-070

WBGss-136-0725-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 563021.90
Easting: 2358950.25
Elevation:

Location: WINKLEPECK BURNING GROUND
Station: WBGss-137 PAD-67-2 15 ft SW of WBGss-070

WBGss-137-0726-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 563048.27
Easting: 2359111.63
Elevation:

Location: WINKLEPECK BURNING GROUND
Station: WBGss-138 PAD-67-3 25 ft E of USAEHA # 40

WBGss-138-0727-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Northing: 563011.40
Easting: 2359113.93
Elevation:

Location: WINKLEPECK BURNING GROUND
Station: WBGss-139 PAD-67-4 15 ft E of SE quadrant

WBGss-139-0728-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

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Location: WINKLEPECK BURNING GROUND
 Station: WBGss-140 PAD-67-5 15 ft S of SE quadrant
 Northing: 562989.66
 Easting: 2360050.02
 Elevation:

WBGss-140-0729-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	6.2	UG/G		

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-141 PAD-68-1 10 ft S of pad
 Northing: 563016.07
 Easting: 2359514.27
 Elevation:

WBGss-141-0730-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1.6	UG/G		

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-142 PAD-68-2 10 ft E of pad
 Northing: 563055.29
 Easting: 2359575.83
 Elevation:

WBGss-142-0731-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	135	UG/G		

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-143 PAD-68-3 10 ft N of pad
 Northing: 563105.59
 Easting: 2359521.84
 Elevation:

WBGss-143-0732-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/22/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-144 DEAC.FURN-1 20 ft NE of RCRA boundary
 Northing: 562798.20
 Easting: 2356261.09
 Elevation:

WBGss-144-0733-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-145 DEAC.FORN-2 20 ft SE of RCRA boundary
 Northing: 562807.29
 Easting: 2356102.80
 Elevation:

WBGss-145-0734-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-146 DEAC.FURN-3 20 ft NW of RCRA boundary
 Northing: 562732.51
 Easting: 2356051.59
 Elevation:

WBGss-146-0735-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene	1	UG/G	U	
REG	RDX	1	UG/G	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-147 DEAC.FURN-4 20 ft SW of RCRA boundary
 Northing: 562674.64
 Easting: 2356009.35
 Elevation:

WBGss-147-0736-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-148 DEAC.FURN-5 50 ft E of RCRA boundary
 Northing: 562673.14
 Easting: 2356225.75
 Elevation:

WBGss-148-0737-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-149 DEAC.FURN-6 50 ft W of RCRA boundary
 Northing: 562682.18
 Easting: 2356072.15
 Elevation:

WBGss-149-0738-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-150 DEAC.FURN-7 50 ft N of RCRA boundary
 Northing: 562742.44
 Easting: 2356124.35
 Elevation:

WBGss-150-0739-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 04/23/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-168 PAD-88 Demolition Area No. 2 SB-13B
 Northing: 563033.20
 Easting: 2358761.00
 Elevation:

WBGss-168-0768-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/29/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-169 PAD-59A
 Northing: 562945.40
 Easting: 2355895.00
 Elevation:

WBGss-169-0884-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/26/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-170 PAD-58 center of burn area
 Northing: 562964.60
 Easting: 2355816.00
 Elevation:

WBGss-170-0881-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-171 PAD-58A
 Northing: 562964.60
 Easting: 2355647.00
 Elevation:

WBGss-171-0882-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-172 PAD-59 center of burn area
 Northing: 562970.40
 Easting: 2355875.00
 Elevation:

WBGss-172-0883-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-173 PAD-60 center of burn area
 Northing: 562989.00
 Easting: 2356254.00
 Elevation:

WBGss-173-0885-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/26/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-174 PAD-60A
 Northing: 562959.00
 Easting: 2356254.00
 Elevation:

WBGss-174-0886-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/26/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-175 PAD-37 center of burn area
 Northing: 562312.70
 Easting: 2358773.00
 Elevation:

WBGss-175-0887-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-176 PAD-68 center of burn area
 Northing: 563008.95
 Easting: 2359514.20
 Elevation:

WBGss-176-0888-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 04/26/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station: WBGss-177 PAD-68A
 Northing: 563055.22
 Easting: 2359584.43
 Elevation:

WBGss-177-0889-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-178 PAD-67 center of burn area
 Northing: 562982.15
 Easting: 2359062.76
 Elevation:

WBGss-178-0890-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G		
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-179 PAD-67A
 Northing: 562974.63
 Easting: 2359055.49
 Elevation:

WBGss-179-0891-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 05/04/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-187 PAD-37
 Northing: 562353.76
 Easting: 2358778.24
 Elevation:

WBGss-187-0912-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		2 UG/G		

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-188 PAD-70 center of burn area
 Northing: 563053.72
 Easting: 2360373.42
 Elevation:

WBGss-188-0913-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-189 PAD-70-1
 Northing: 563082.72
 Easting: 2360358.42
 Elevation:

WBGss-189-0914-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-190 PAD-70-2
 Northing: 563062.72
 Easting: 2360328.42
 Elevation:

WBGss-190-0915-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-191 PAD-70-3
 Northing: 563094.72
 Easting: 2360283.42
 Elevation:

WBGss-191-0916-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Ravenna Army Ammunition Plant Phase II RI

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-192 PAD-70-4

Northing: 563117.30
 Easting: 2360282.00
 Elevation:

WBGss-192-0917-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/06/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-193 PAD-62 center of burn area

Northing: 563010.40
 Easting: 2357123.00
 Elevation:

WBGss-193-0932-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/07/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-194 PAD-62A

Northing: 562987.36
 Easting: 2357098.05
 Elevation:

WBGss-194-0935-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/07/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		6 UG/G		
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-195 PAD-61 center of burn area

Northing: 562995.90
 Easting: 2356605.77
 Elevation:

WBGss-195-0936-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/07/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

Location: WINKLEPECK BURNING GROUND
 Station : WBGss-196 PAD-61A

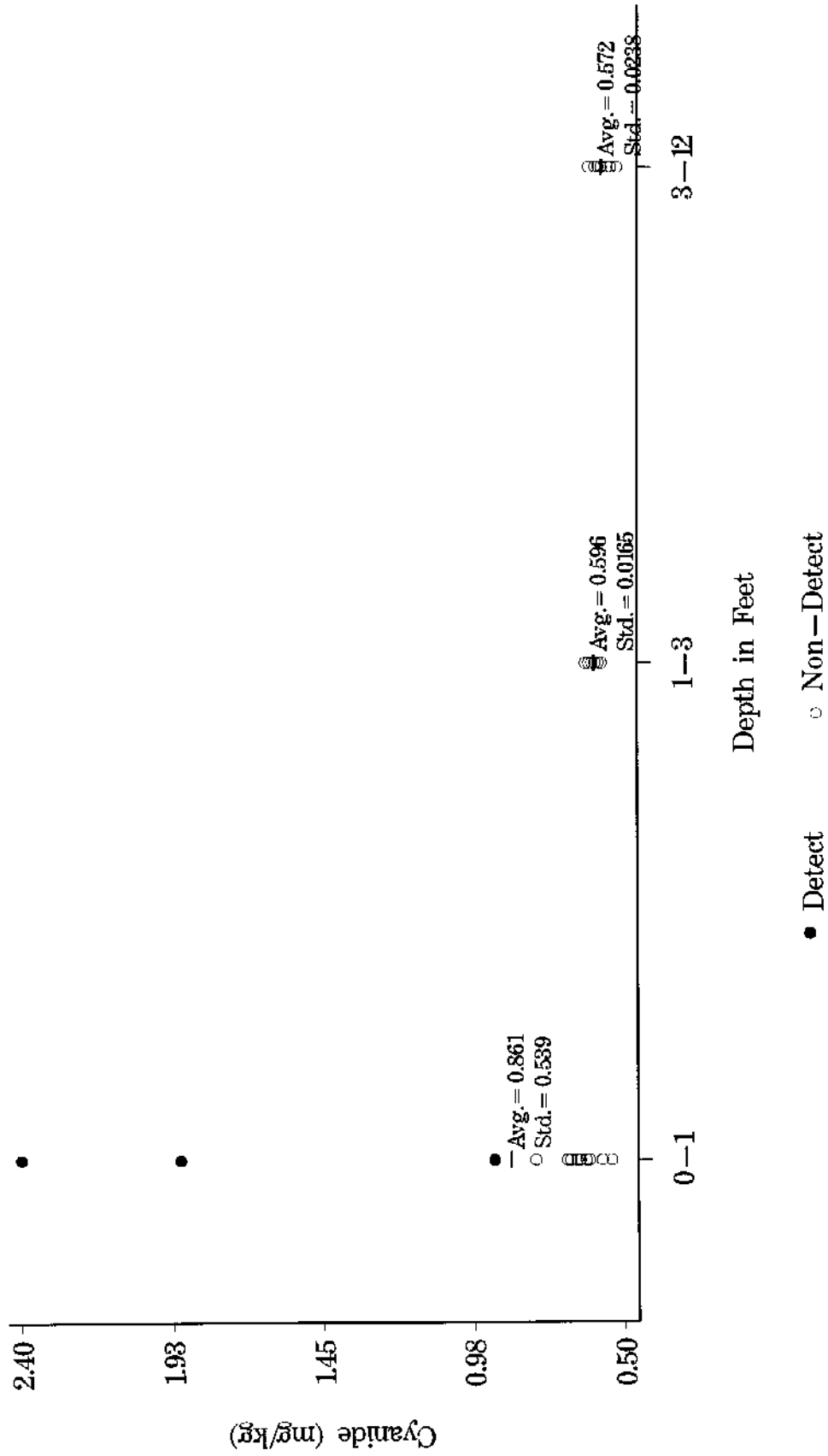
Northing: 562978.60
 Easting: 2356591.00
 Elevation:

WBGss-196-0937-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 05/07/98

Sample Type	Explosives	Result	Units	Qualifiers Lab Data	Validation Code
REG	2,4,6-Trinitrotoluene		1 UG/G	U	
REG	RDX		1 UG/G	U	

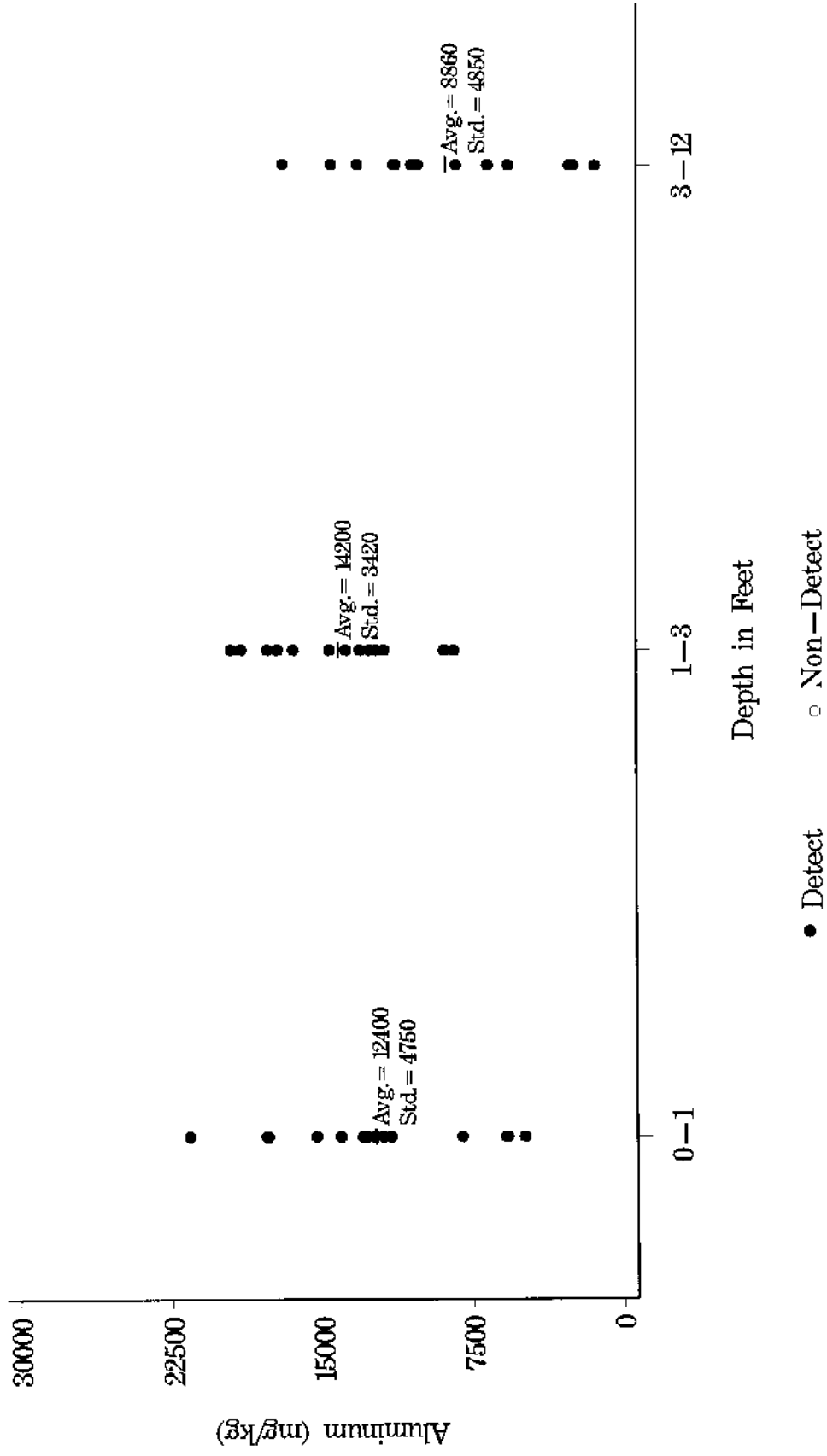
APPENDIX F3

Figure F3-1 Cyanide Concentrations in Ravenna Background Soils by Depth Class



F3-1

Figure F3-2 Aluminum Concentrations in Ravenna Background Soils by Depth Class



F3-2

Figure F3-3 Antimony Concentrations in Ravenna Background Soils by Depth Class

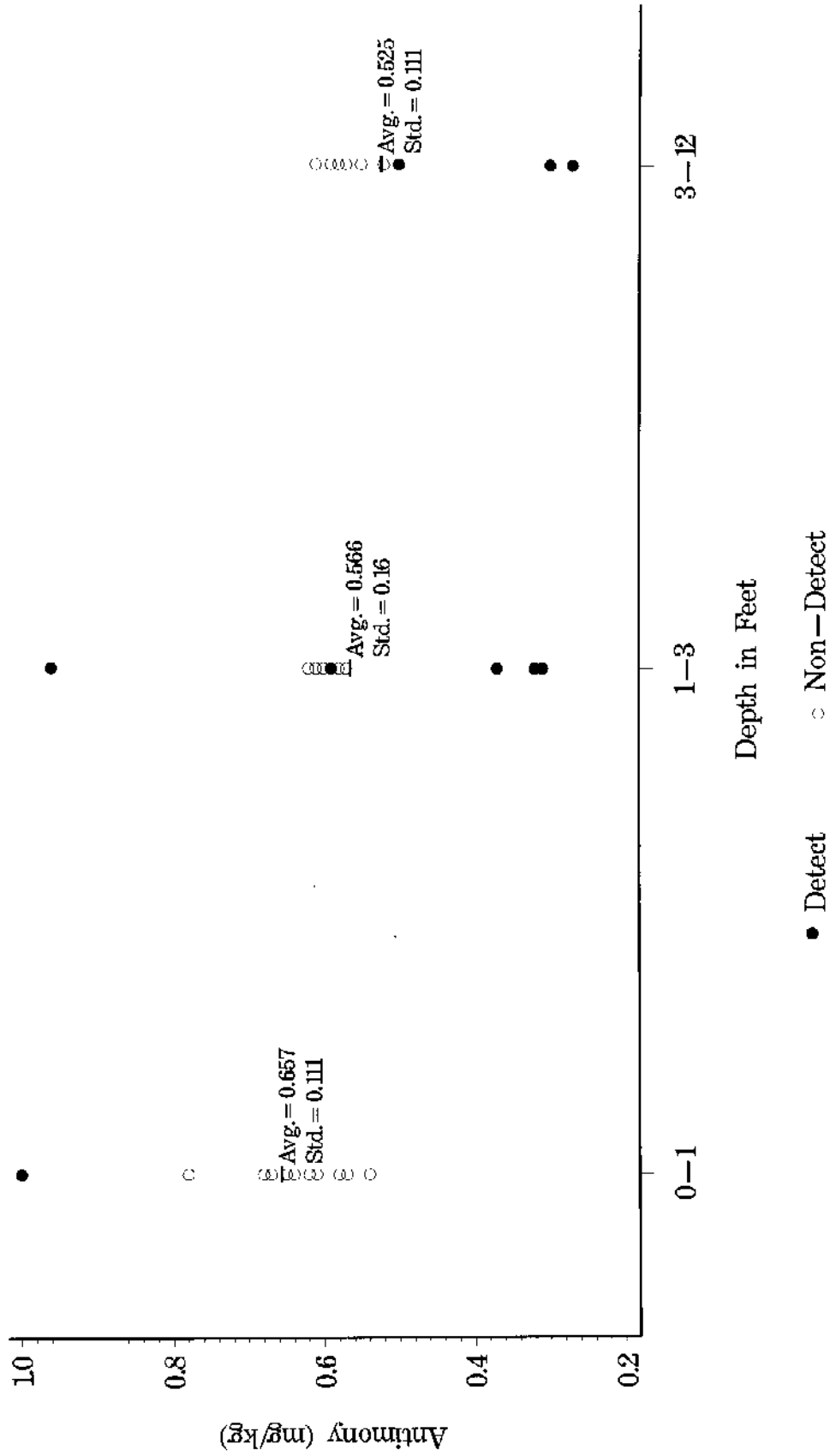
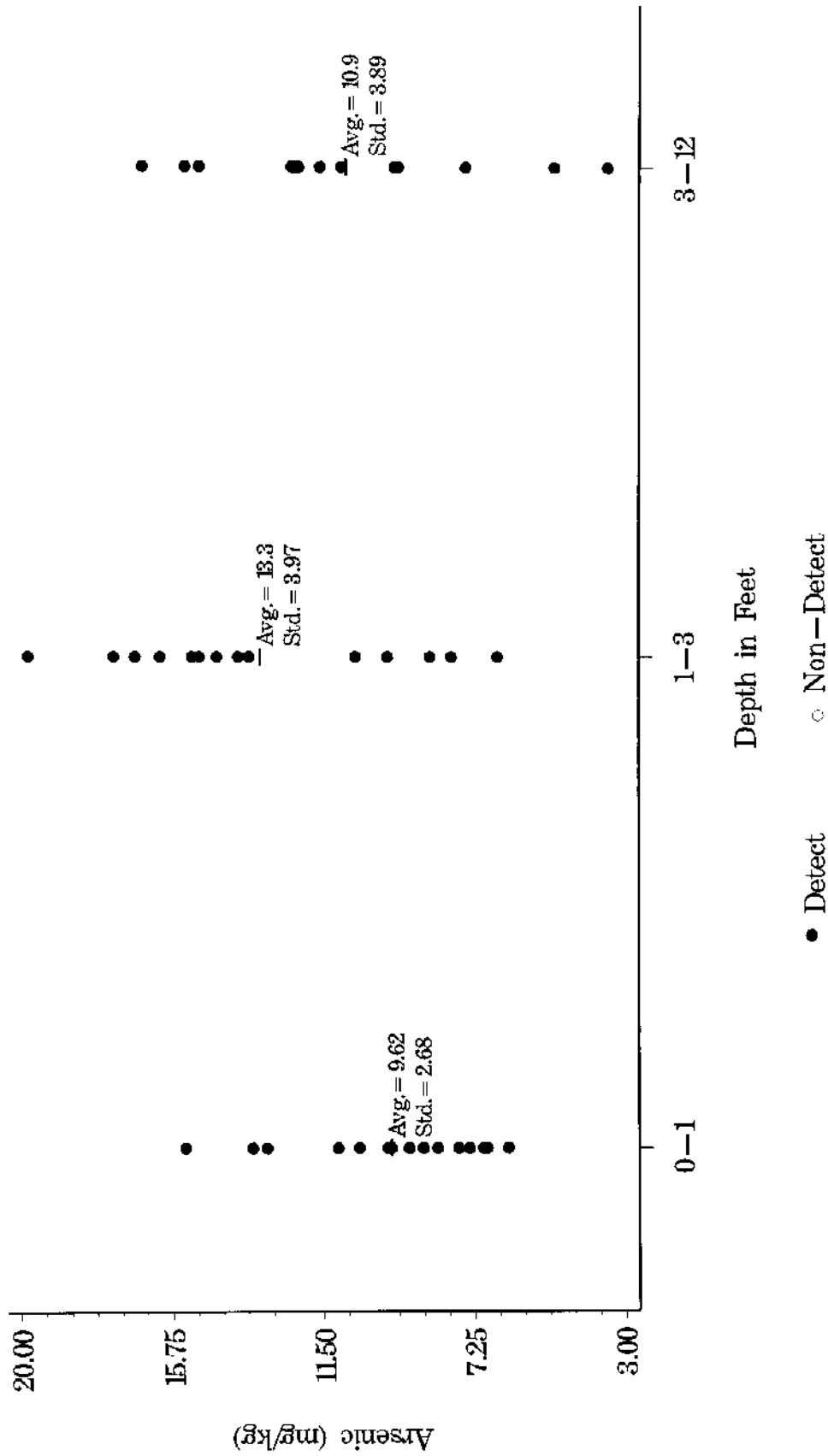


Figure F3-4 Arsenic Concentrations in Ravenna Background Soils by Depth Class



F3-4

Figure F3-5 Barium Concentrations in Ravenna Background Soils by Depth Class

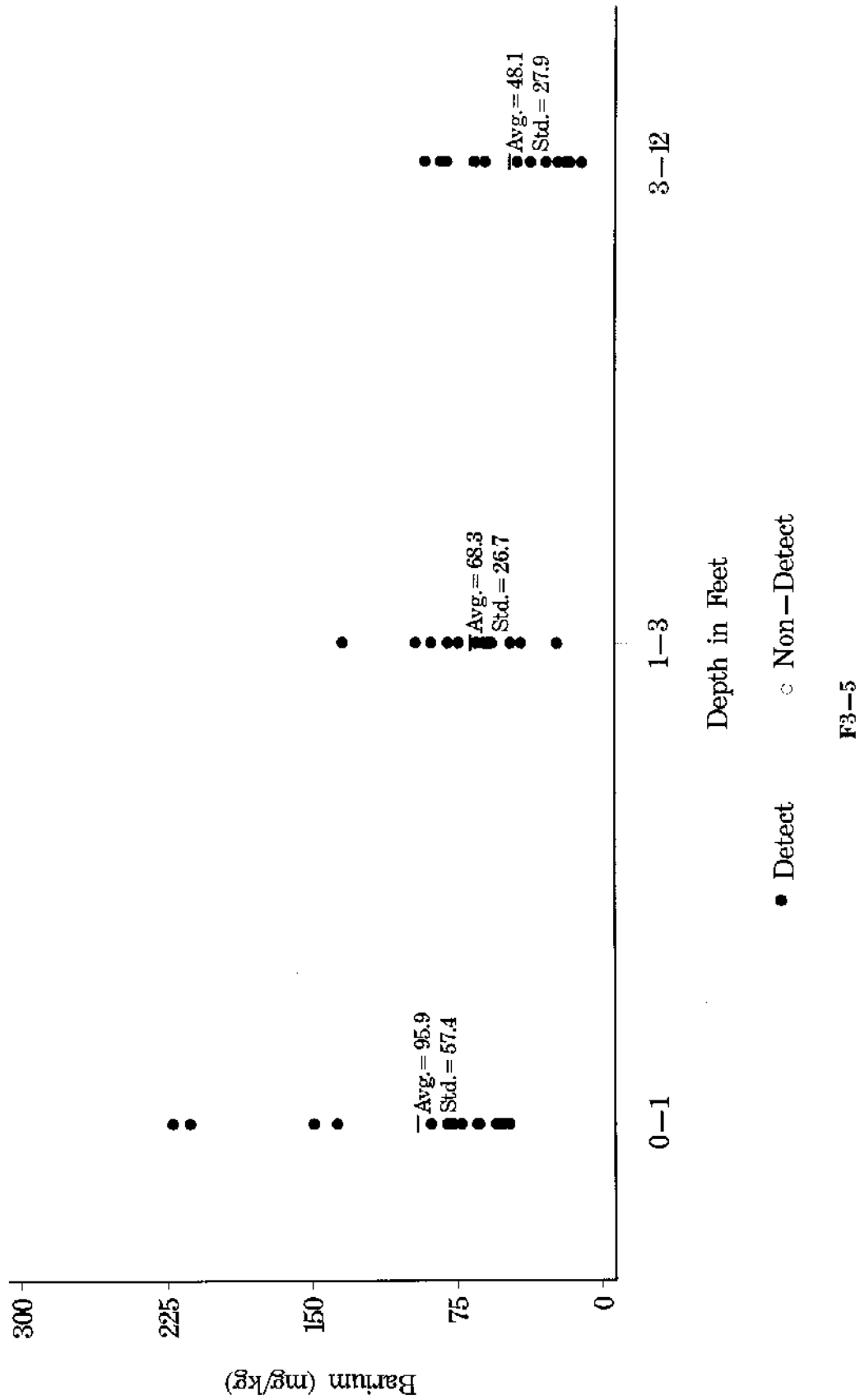


Figure F3-6 Beryllium Concentrations in Ravenna Background Soils by Depth Class

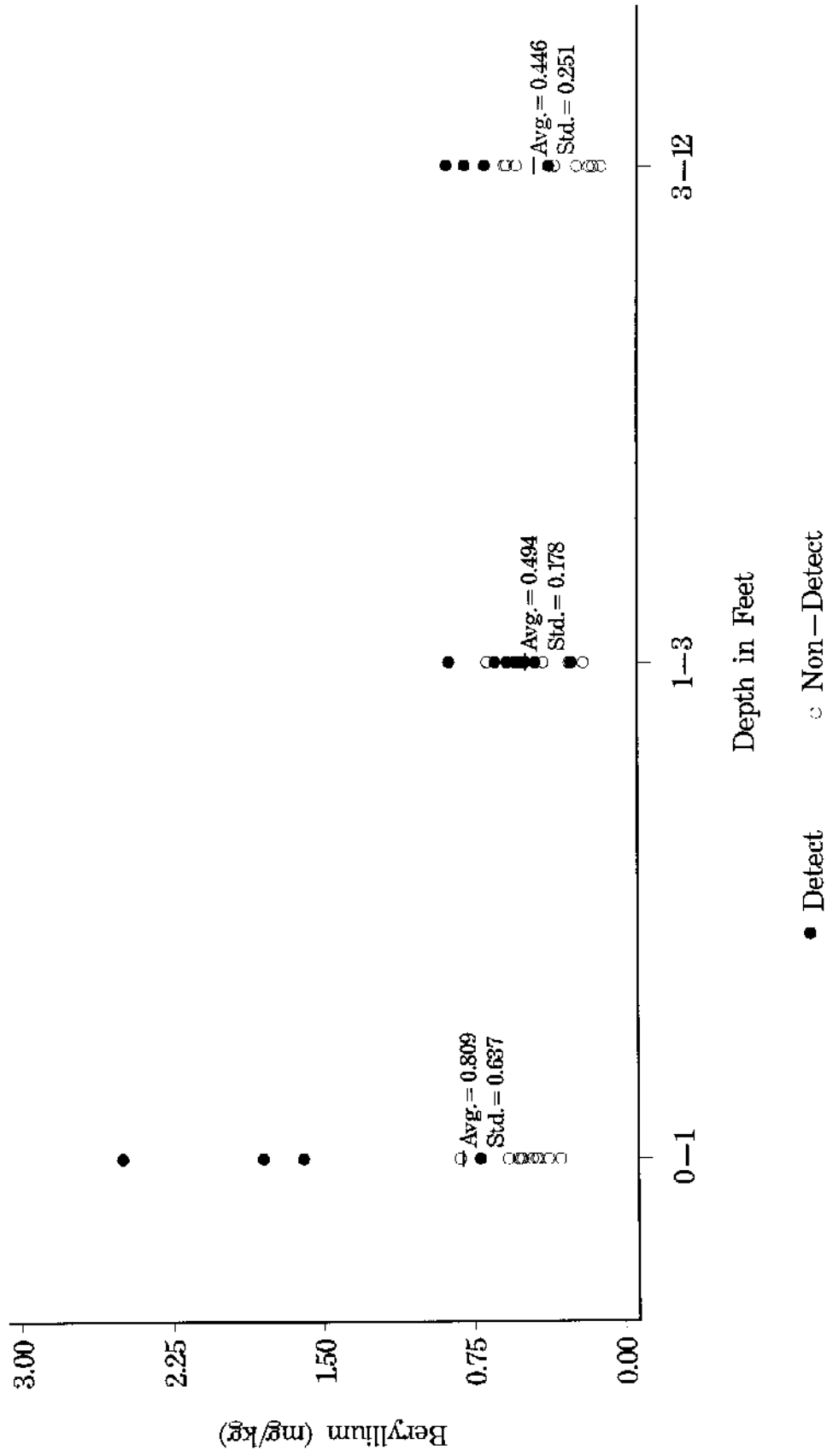
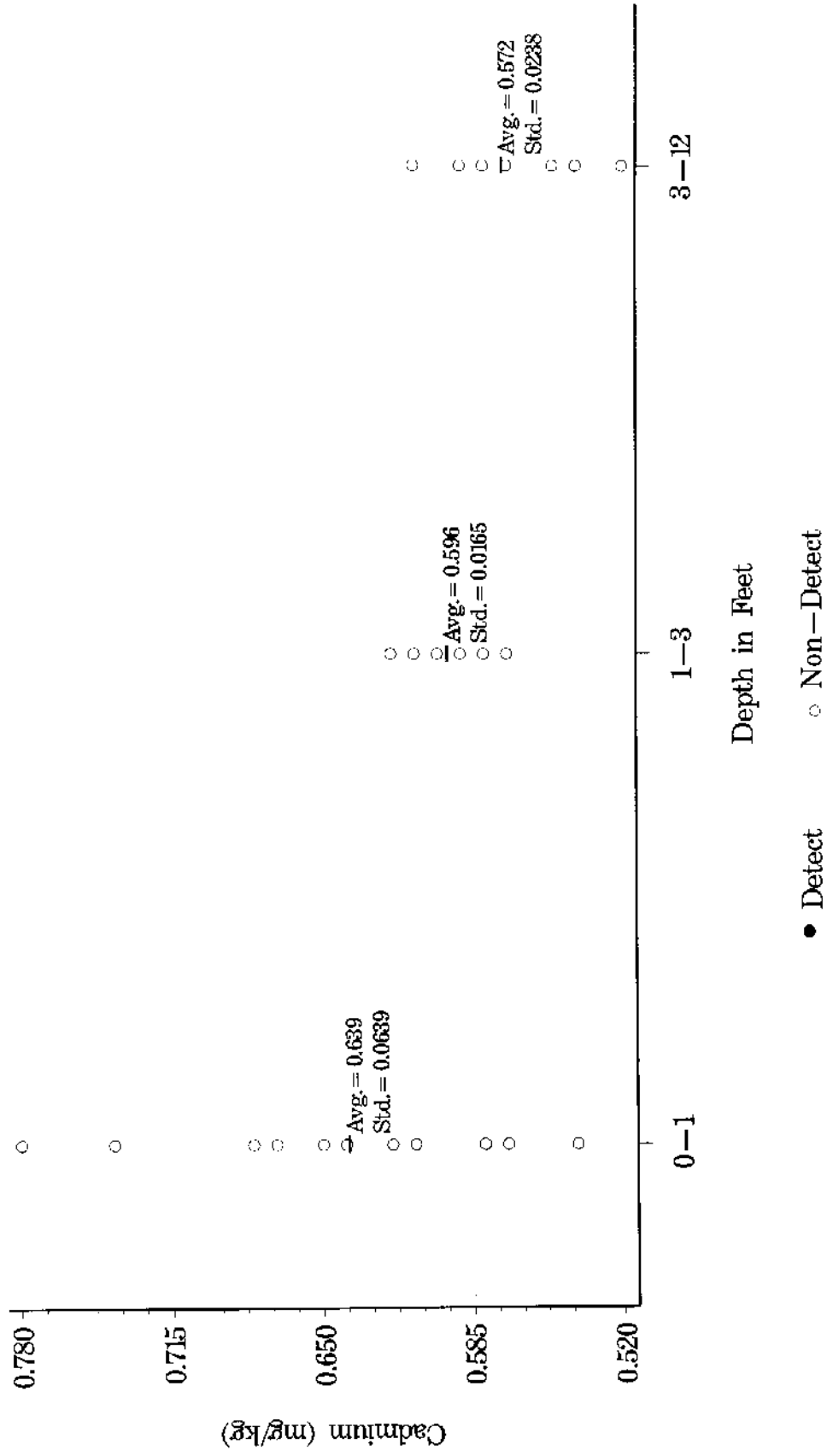


Figure F3-7 Cadmium Concentrations in Ravenna Background Soils by Depth Class



F3-7

Figure F3-8 Calcium Concentrations in Ravenna Background Soils by Depth Class

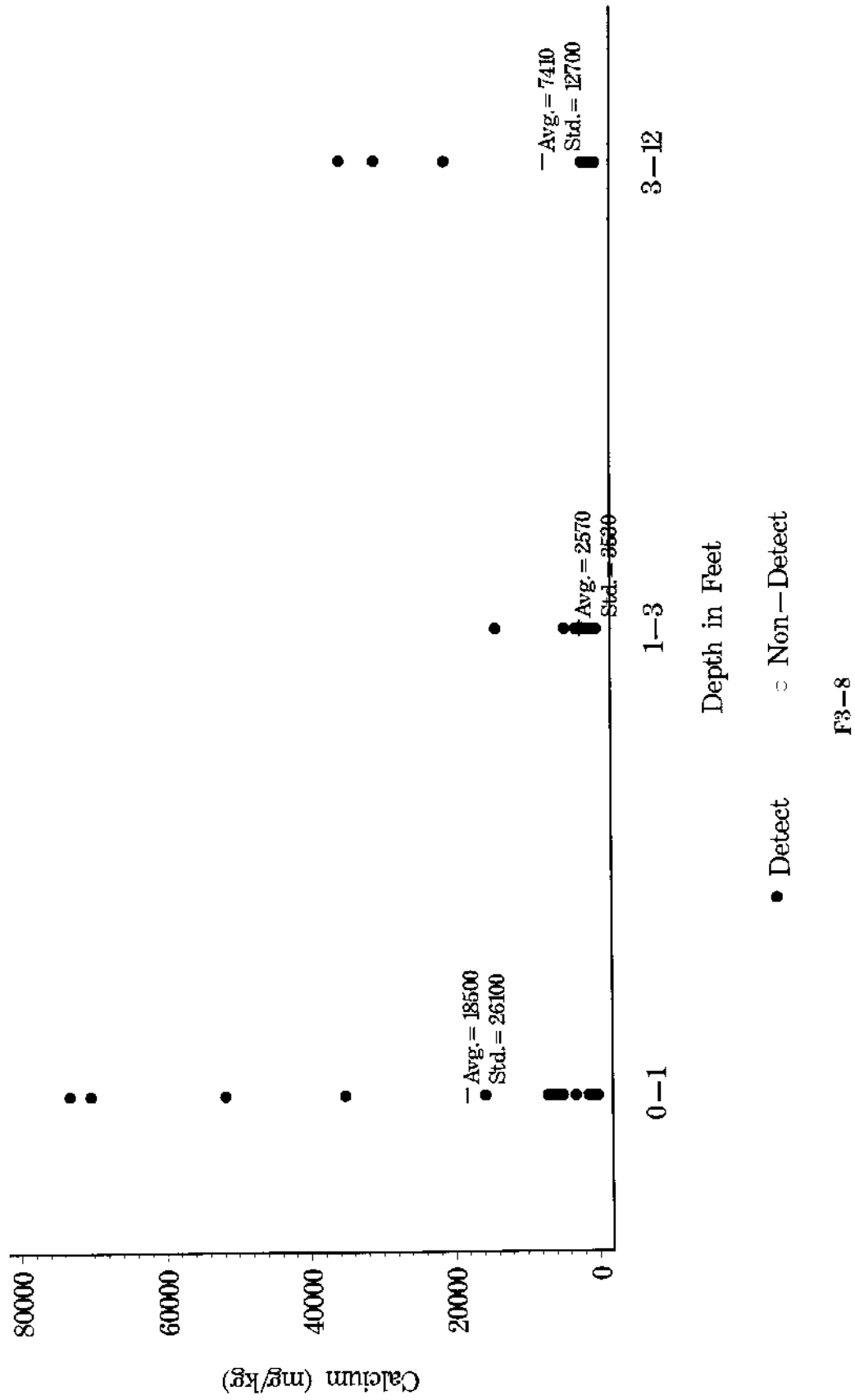
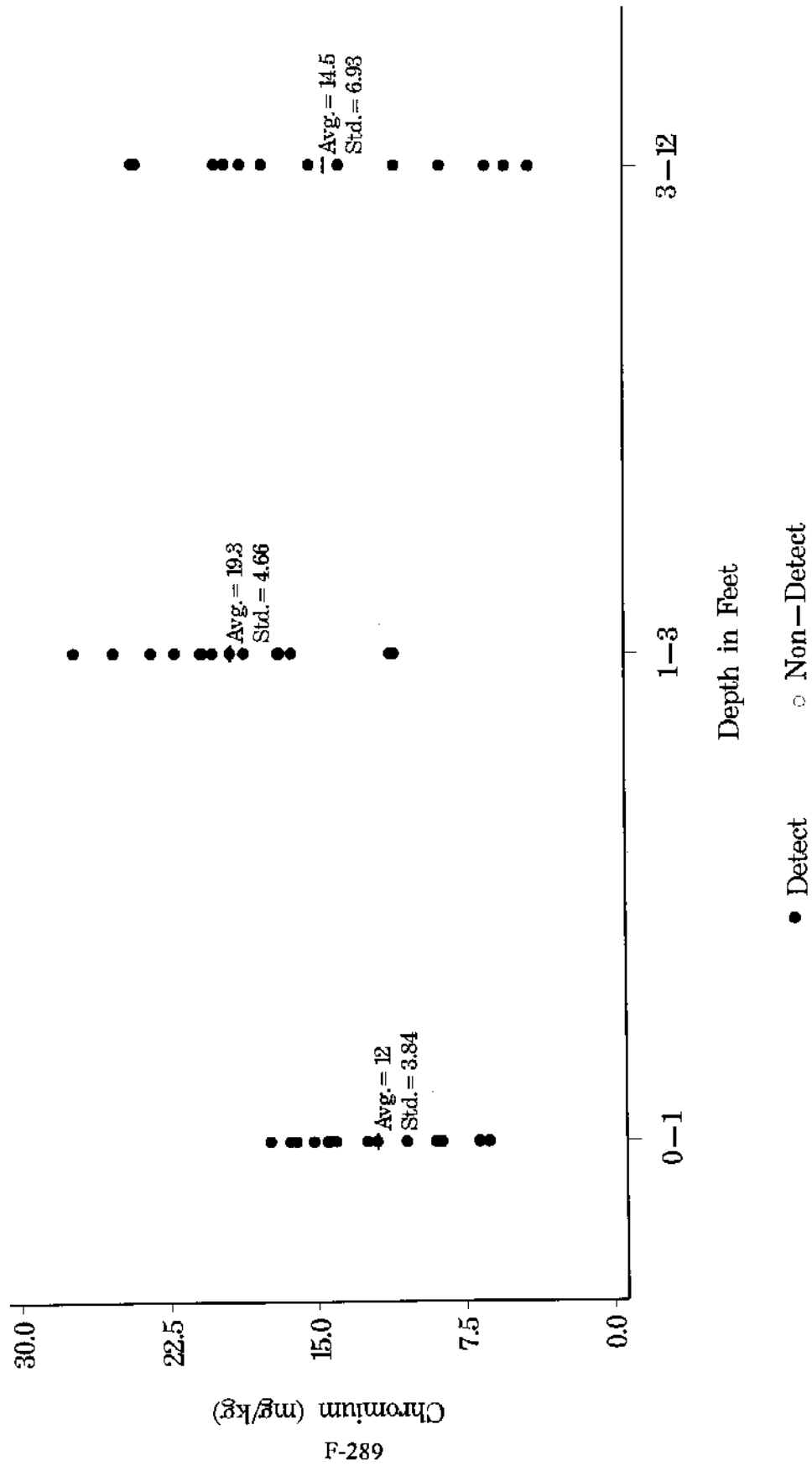


Figure F3-9 Chromium Concentrations in Ravenna Background Soils by Depth Class



F3-9

Figure F3-10 Cobalt Concentrations in Ravenna Background Soils by Depth Class

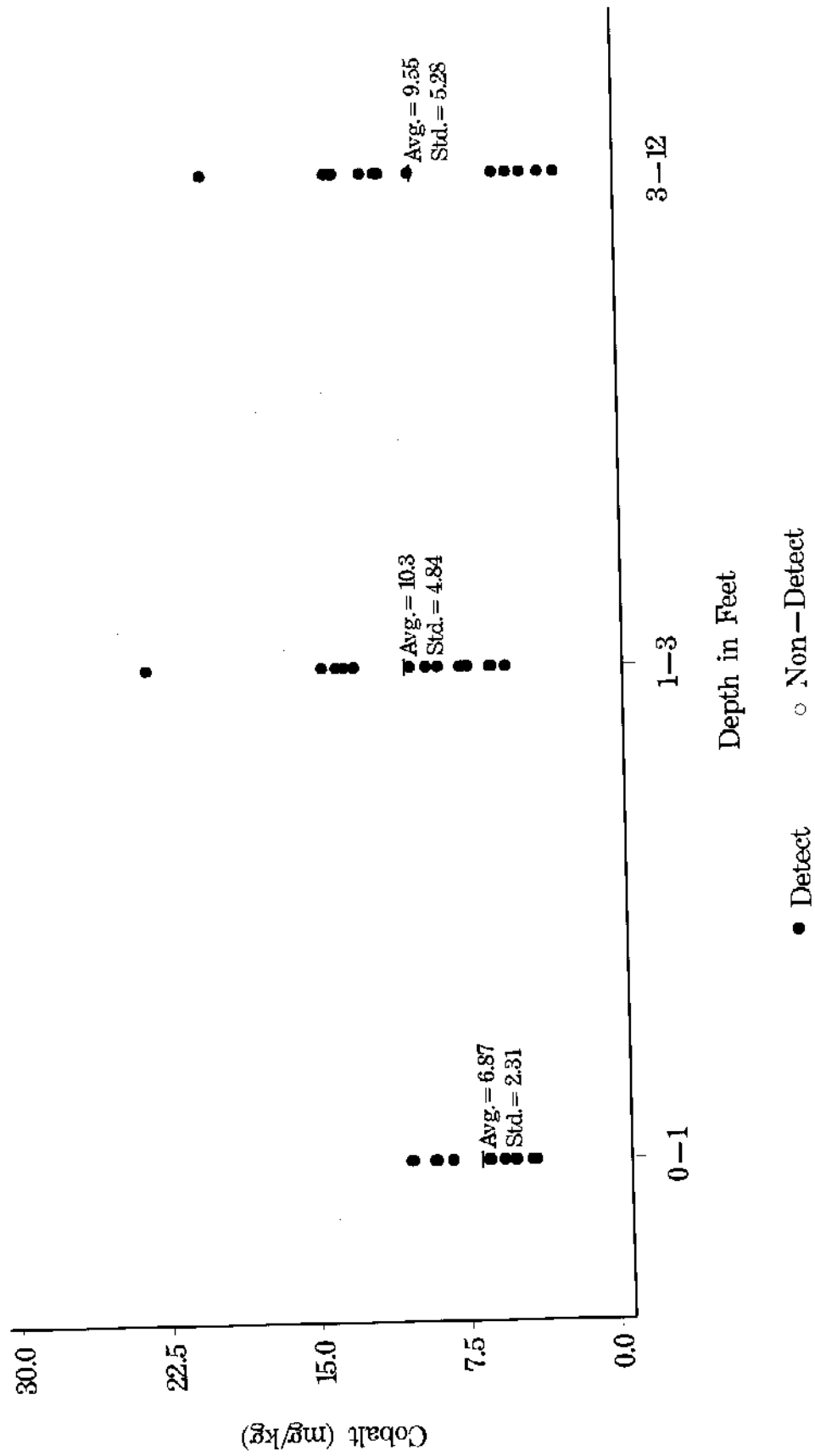


Figure F3-11 Copper Concentrations in Ravenna Background Soils by Depth Class

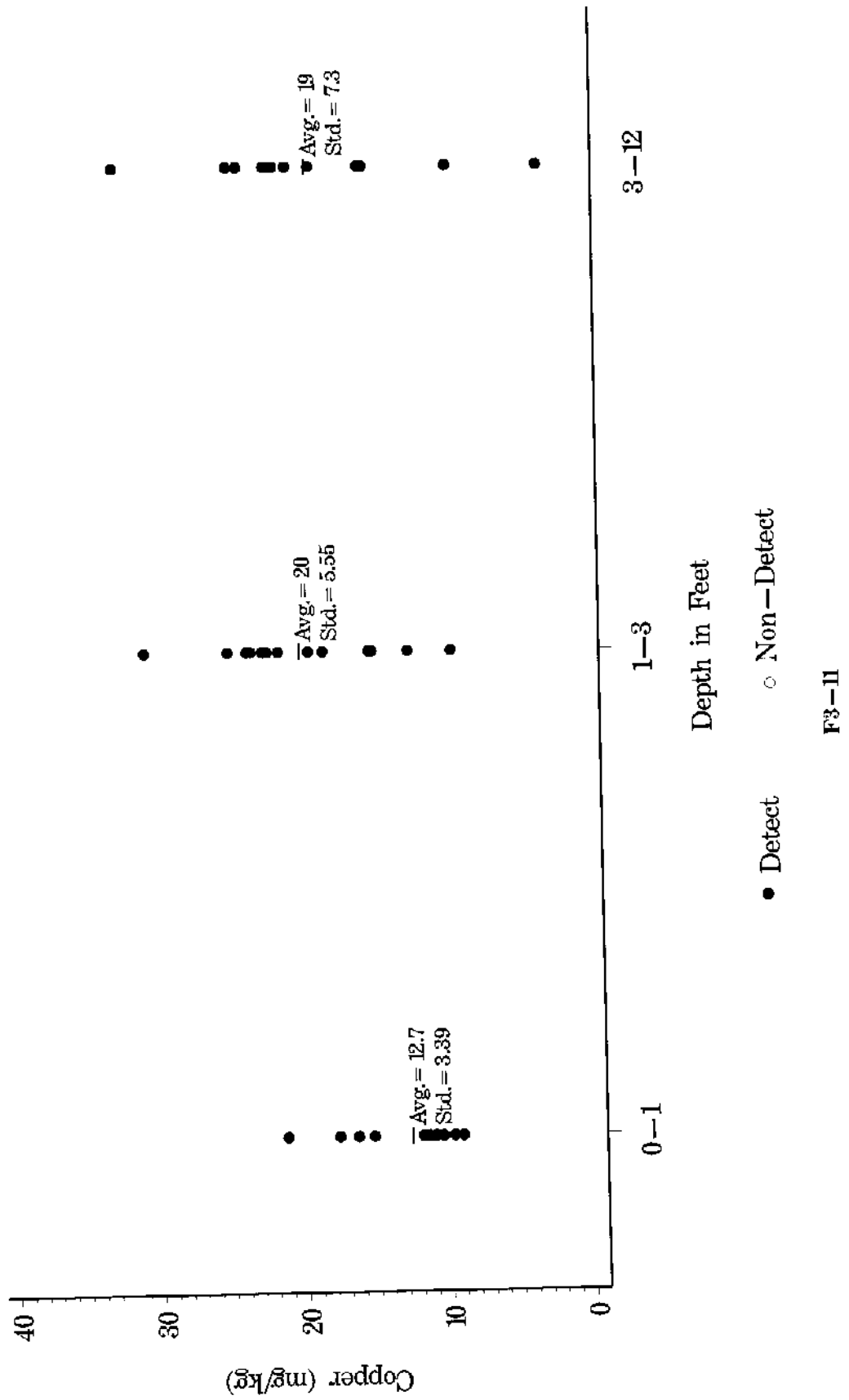


Figure F3-12 Iron Concentrations in Ravenna Background Soils by Depth Class

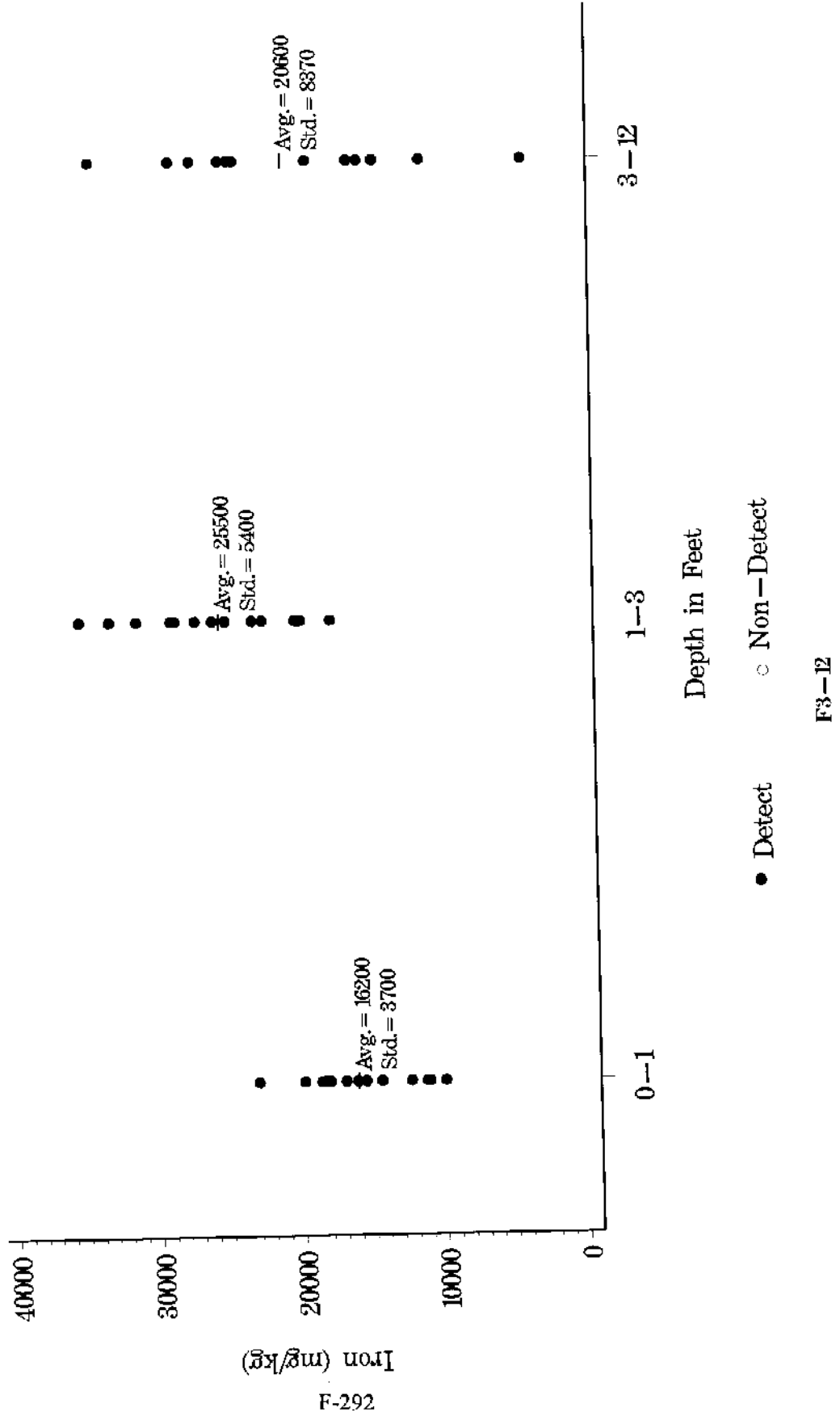


Figure F3-13 Lead Concentrations in Ravenna Background Soils by Depth Class

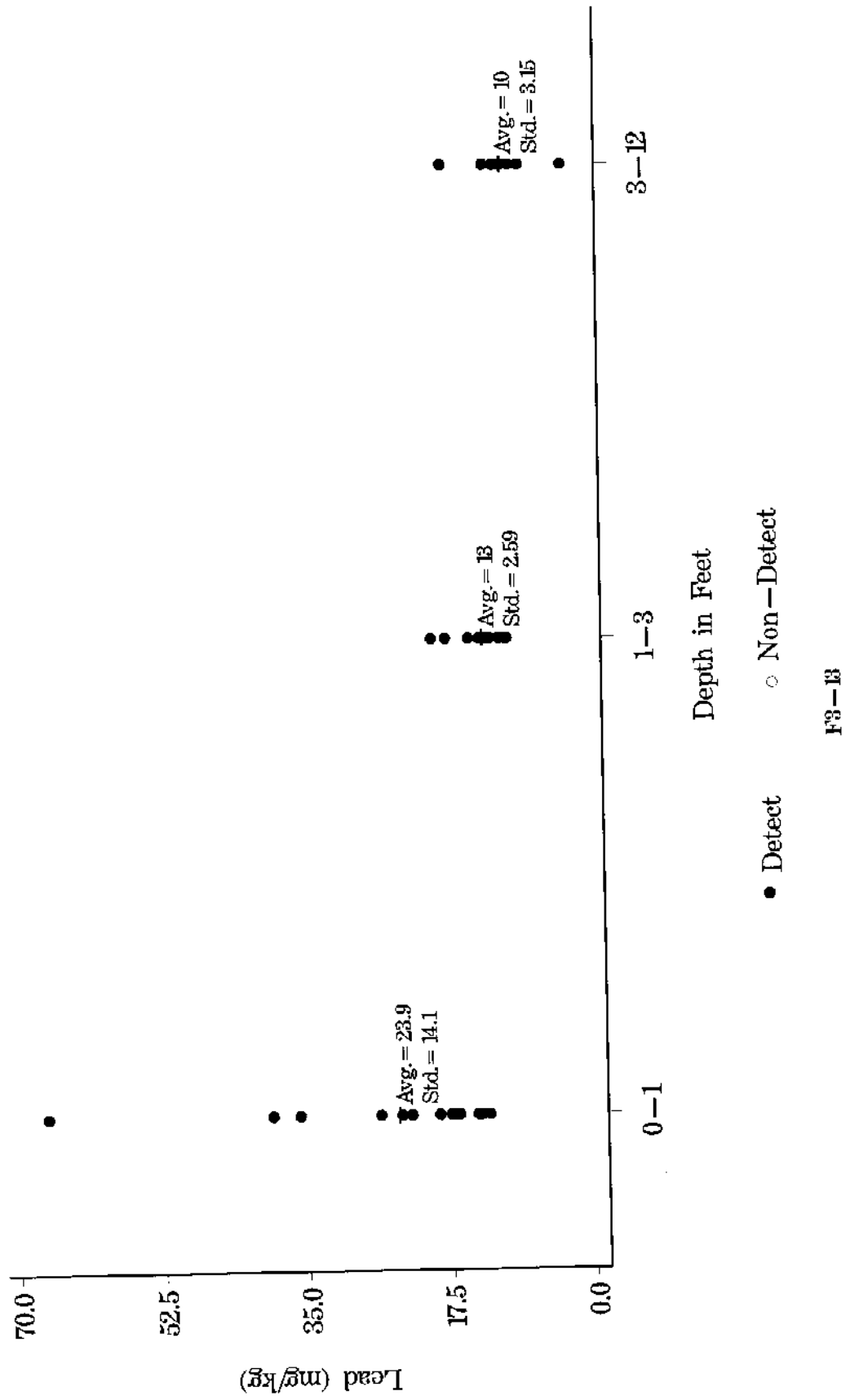


Figure F3-14 Magnesium Concentrations in Ravenna Background Soils by Depth Class

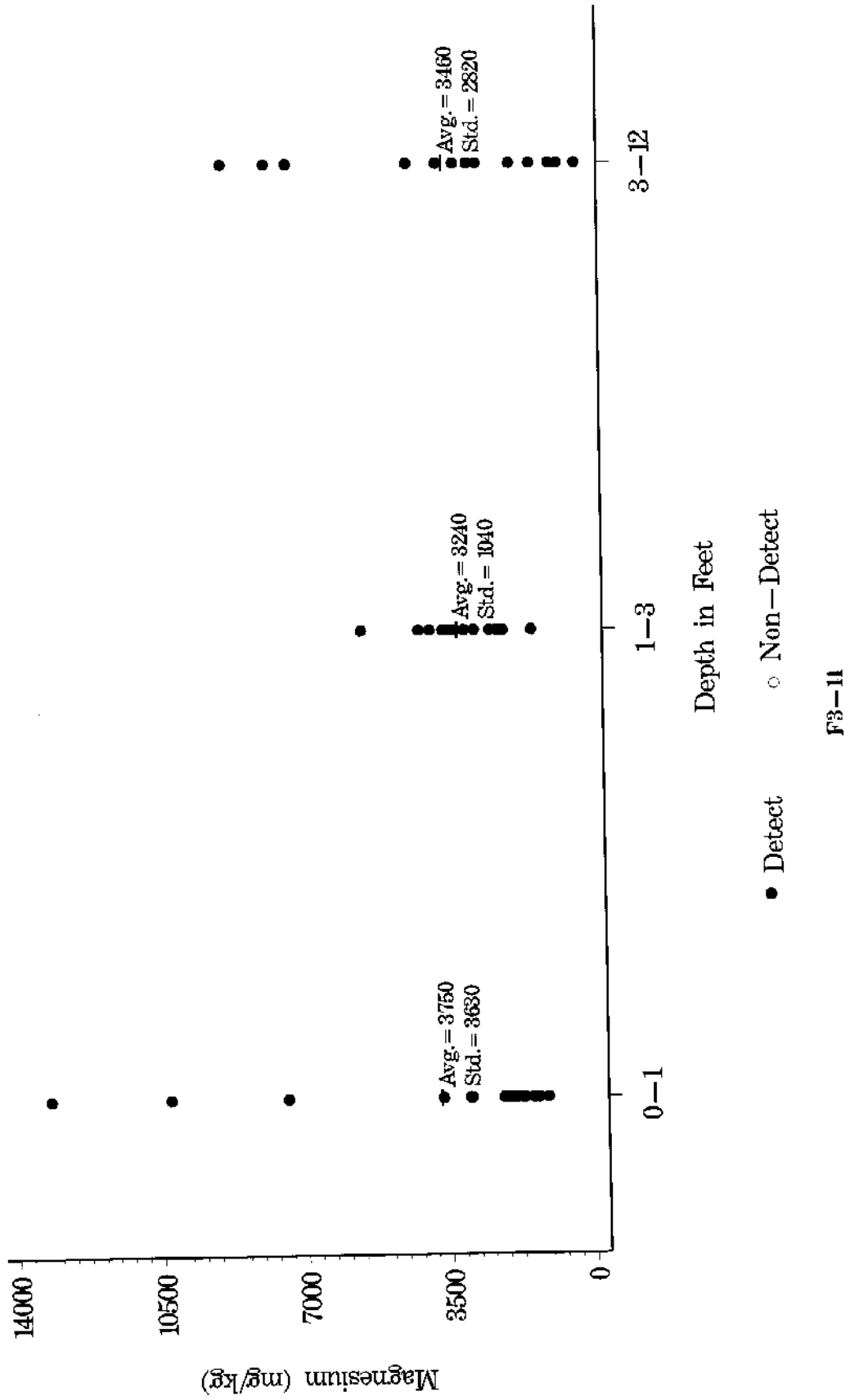
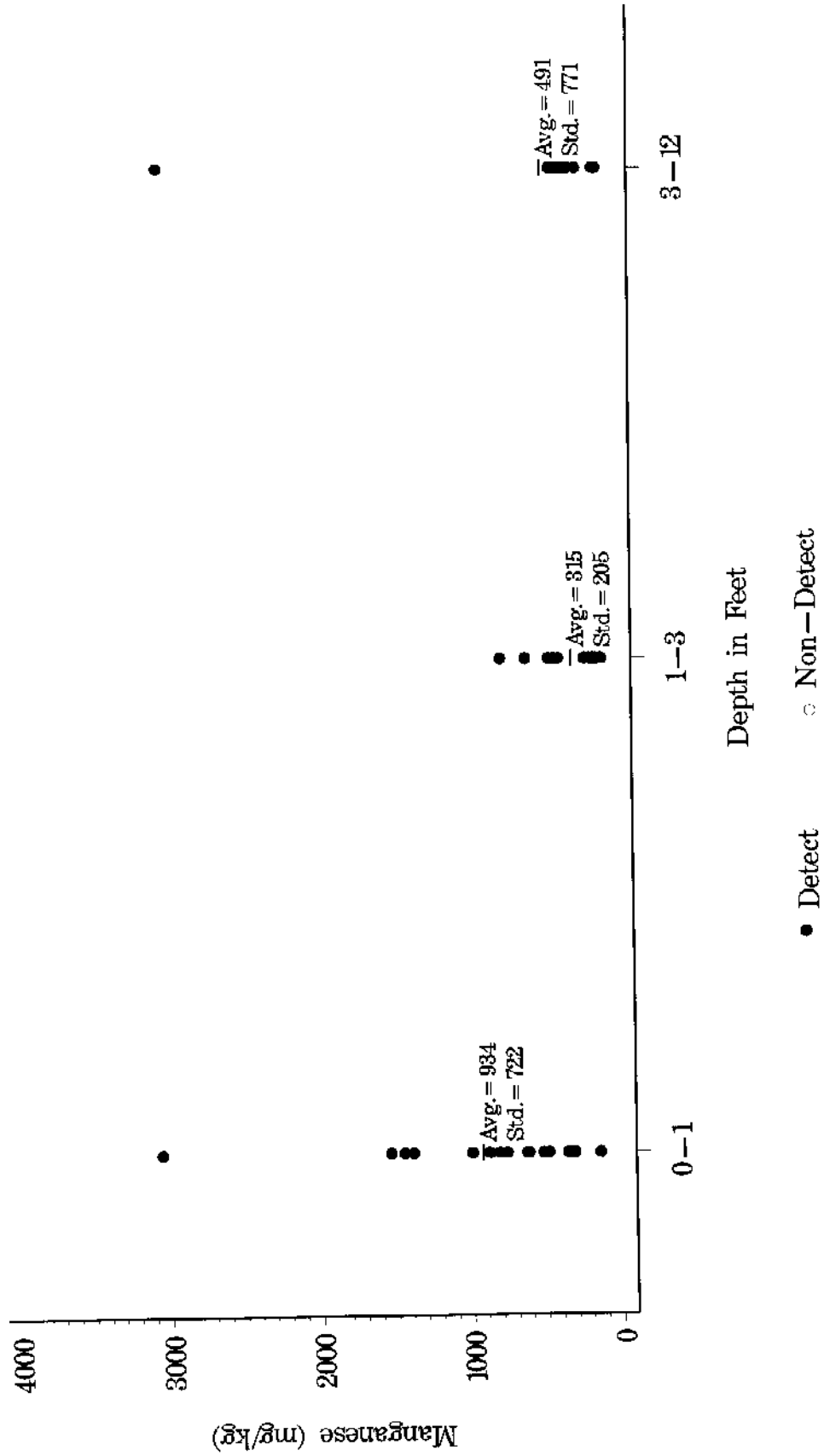


Figure F3-15 Manganese Concentrations in Ravenna Background Soils by Depth Class



F3-15

Figure F3-16 Mercury Concentrations in Ravenna Background Soils by Depth Class

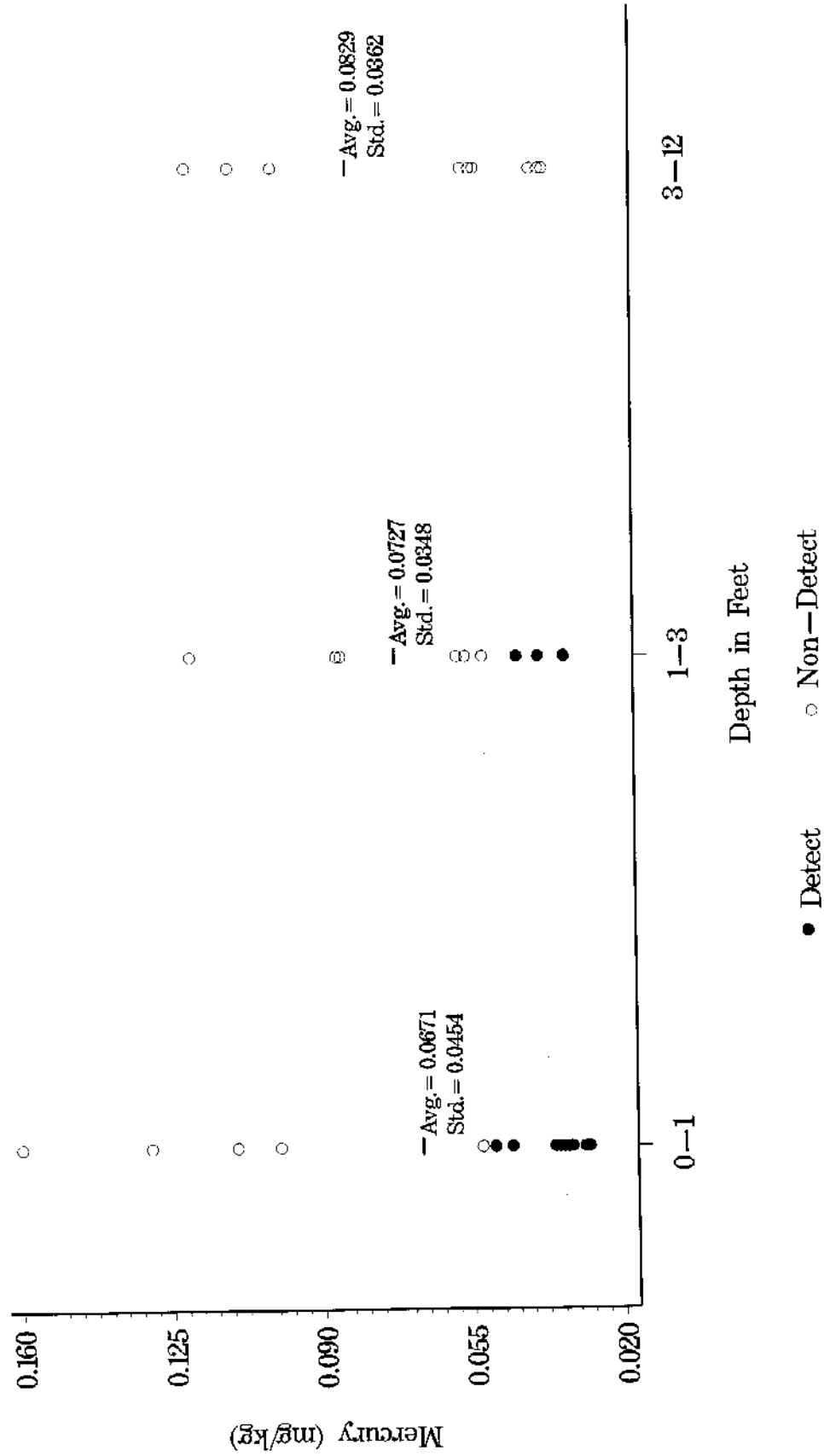


Figure F3-17 Nickel Concentrations in Ravenna Background Soils by Depth Class

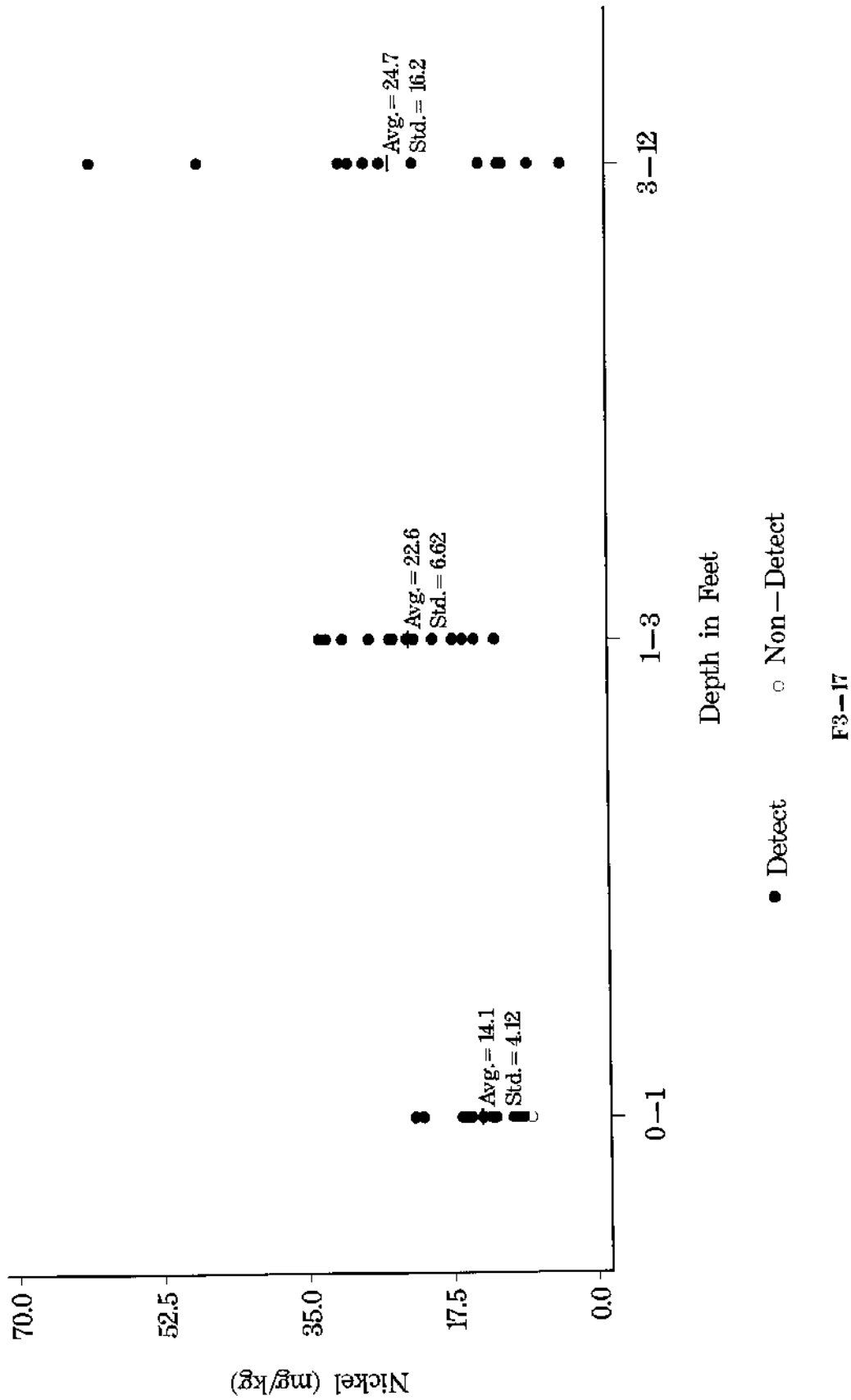


Figure F3-18 Potassium Concentrations in Ravenna Background Soils by Depth Class

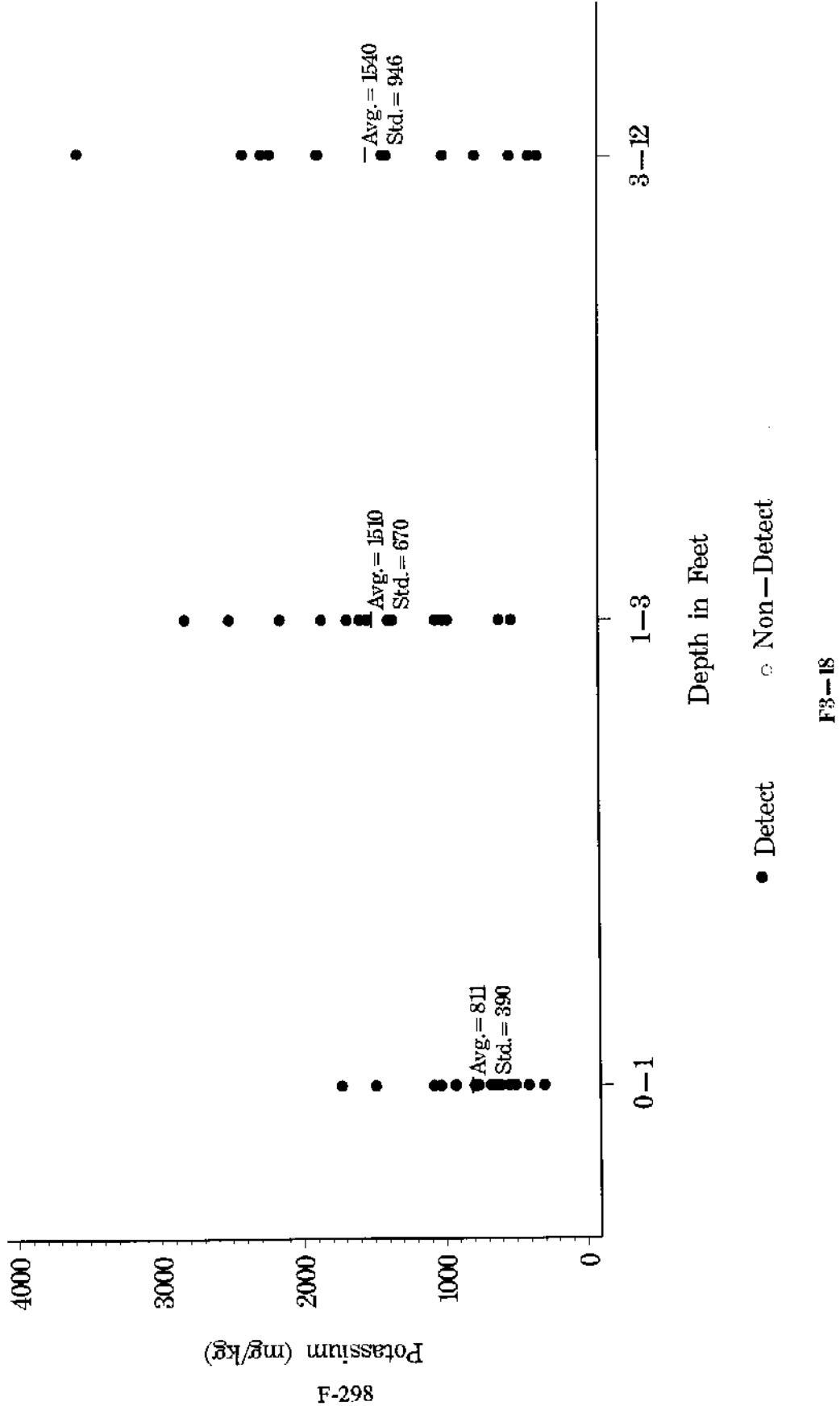


Figure F3-19 Selenium Concentrations in Ravenna Background Soils by Depth Class

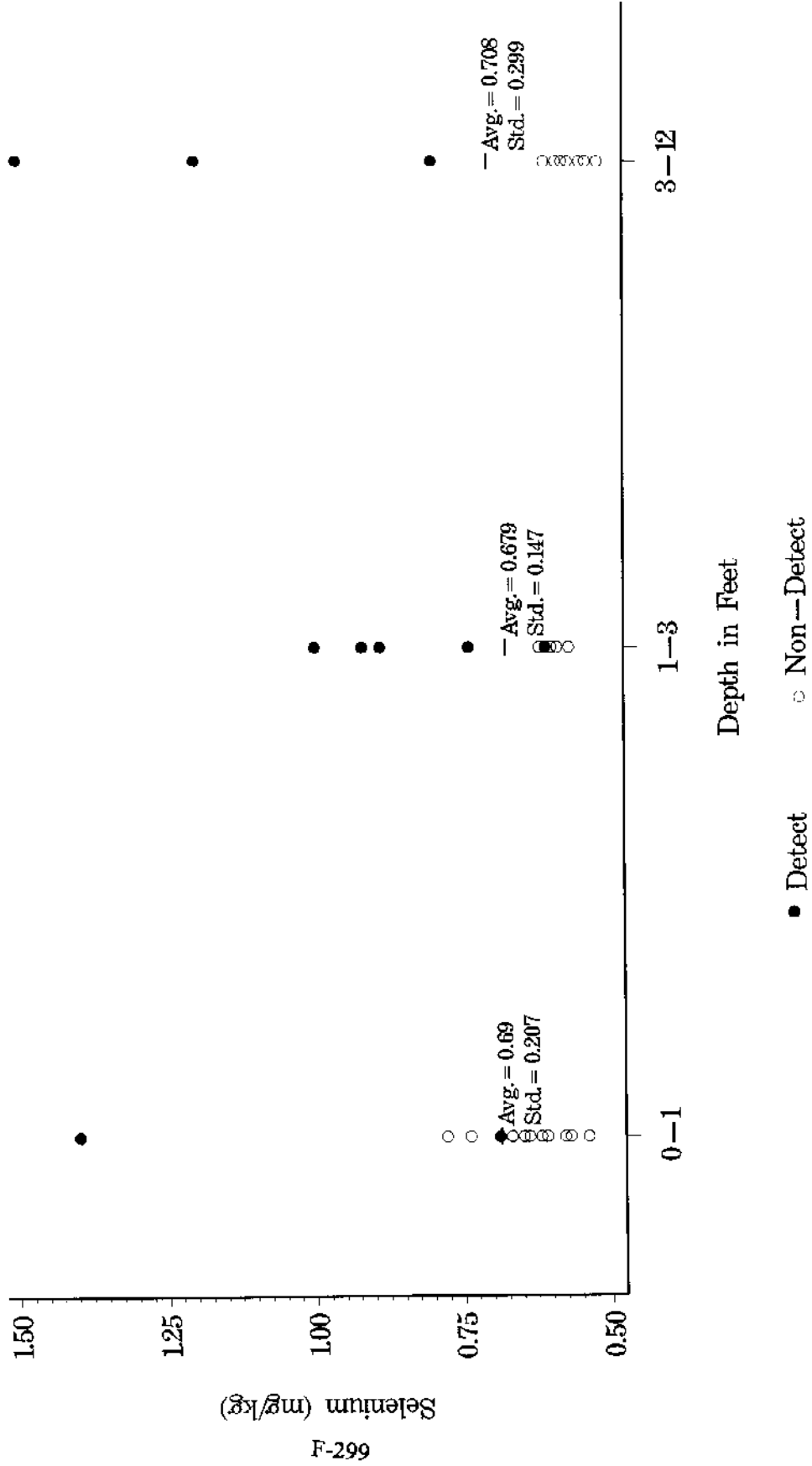
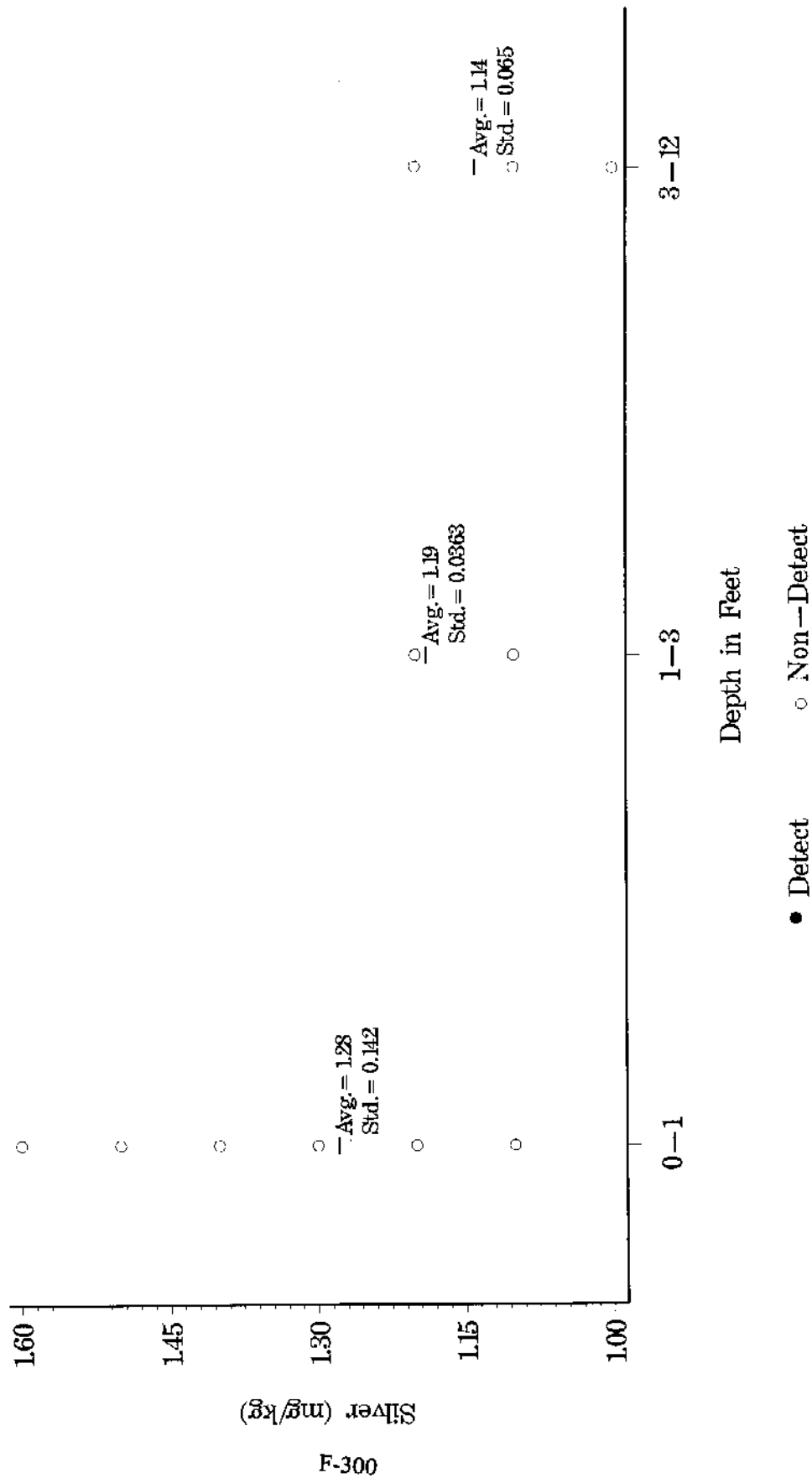
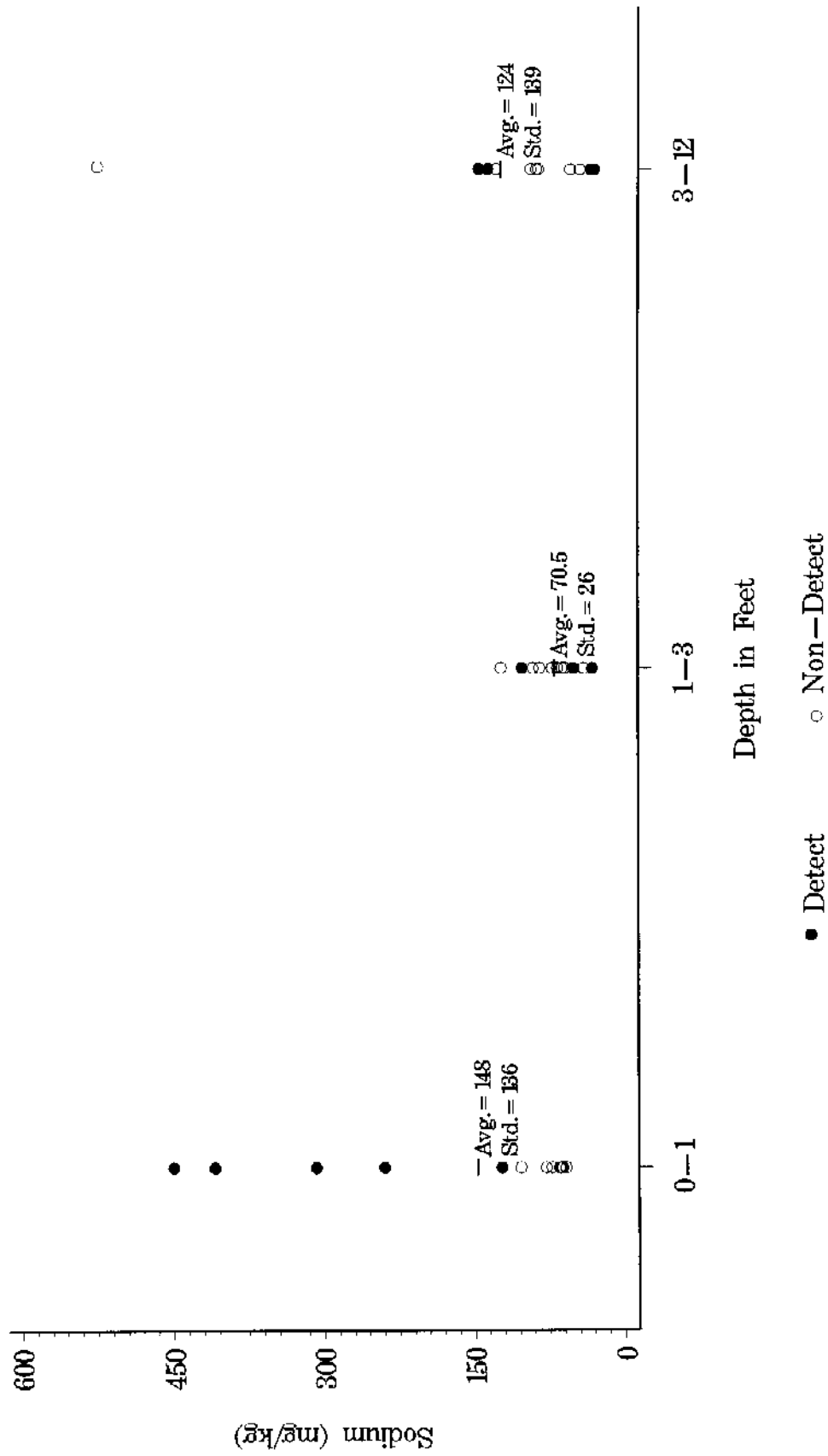


Figure F3-20 Silver Concentrations in Ravenna Background Soils by Depth Class



F3-20

Figure F3-21 Sodium Concentrations in Ravenna Background Soils by Depth Class



F3-21

Figure F3-22 Thallium Concentrations in Ravenna Background Soils by Depth Class

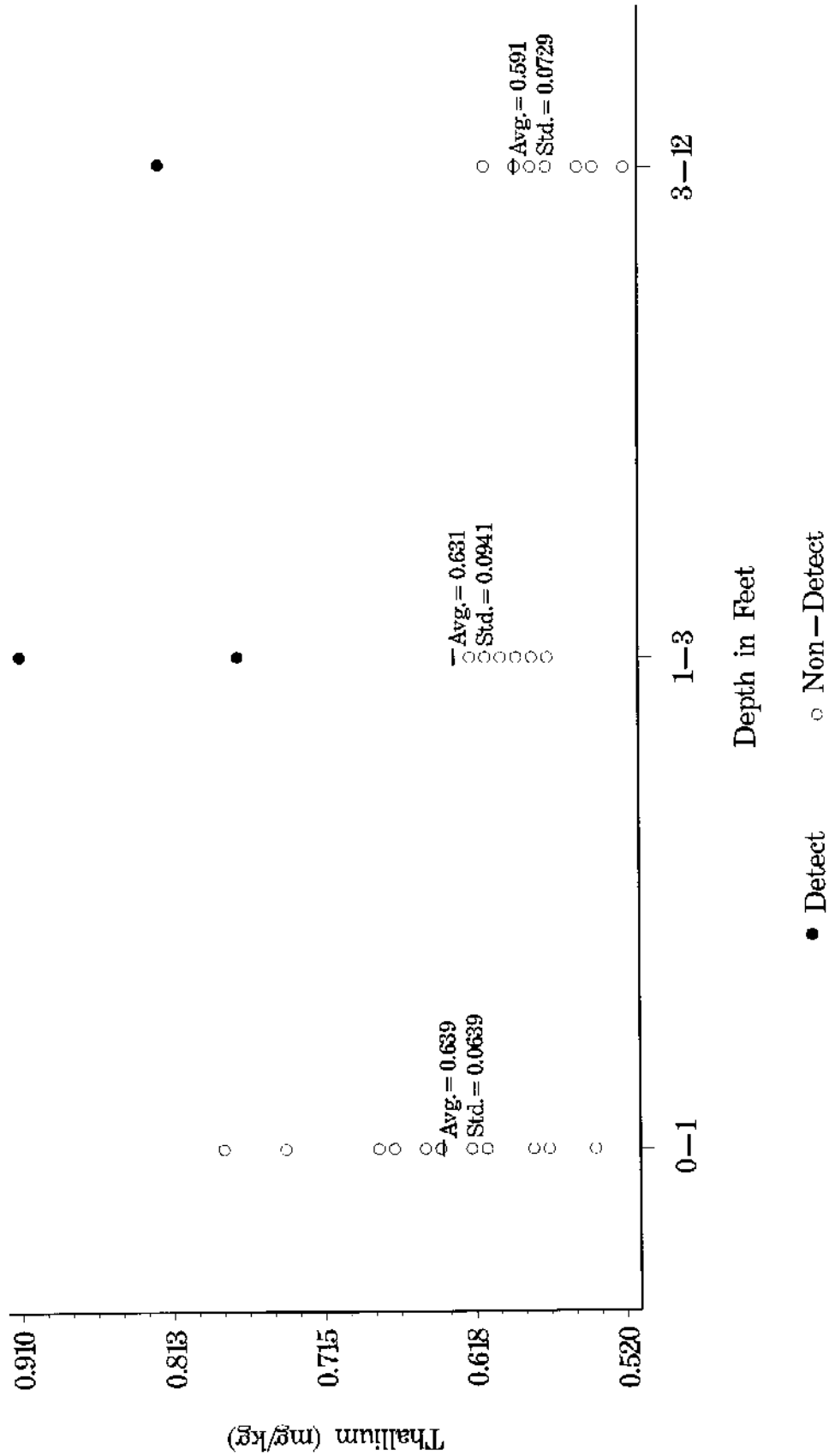


Figure F3-23 Vanadium Concentrations in Ravenna Background Soils by Depth Class

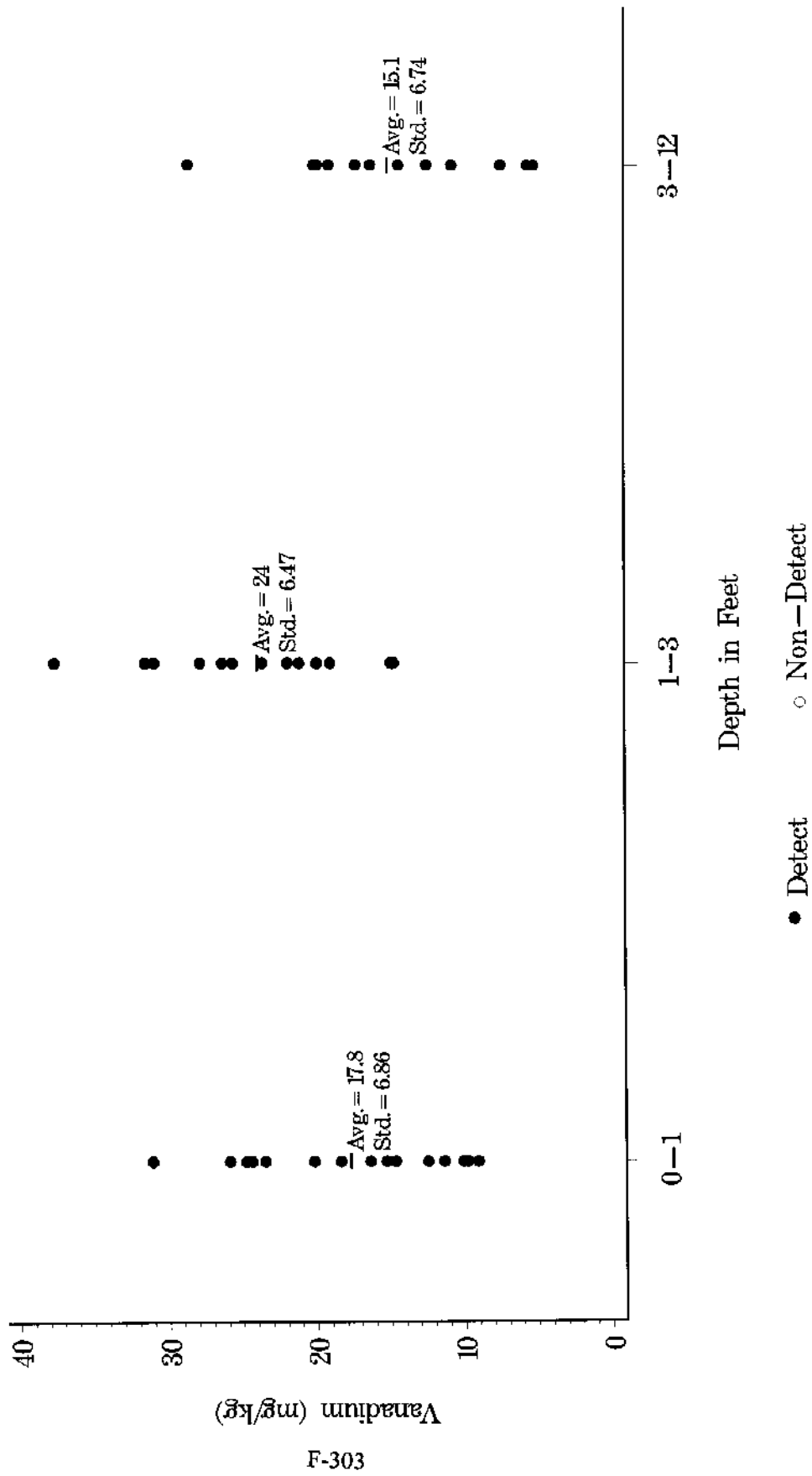
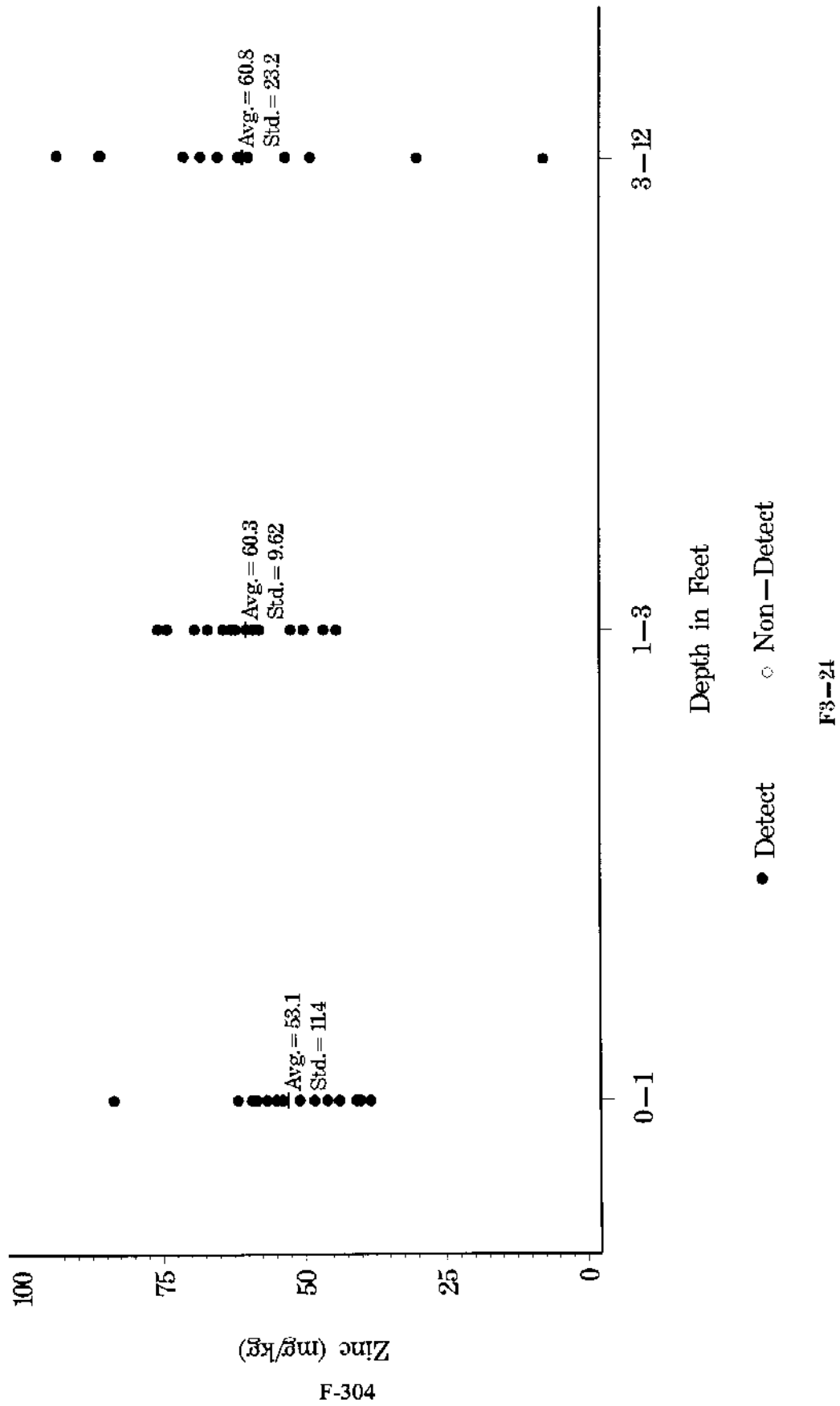


Figure F3-24 Zinc Concentrations in Ravenna Background Soils by Depth Class



APPENDIX F4

Figure F4-1 Cyanide Concentrations in Ravenna Background Soils by Lithology Class

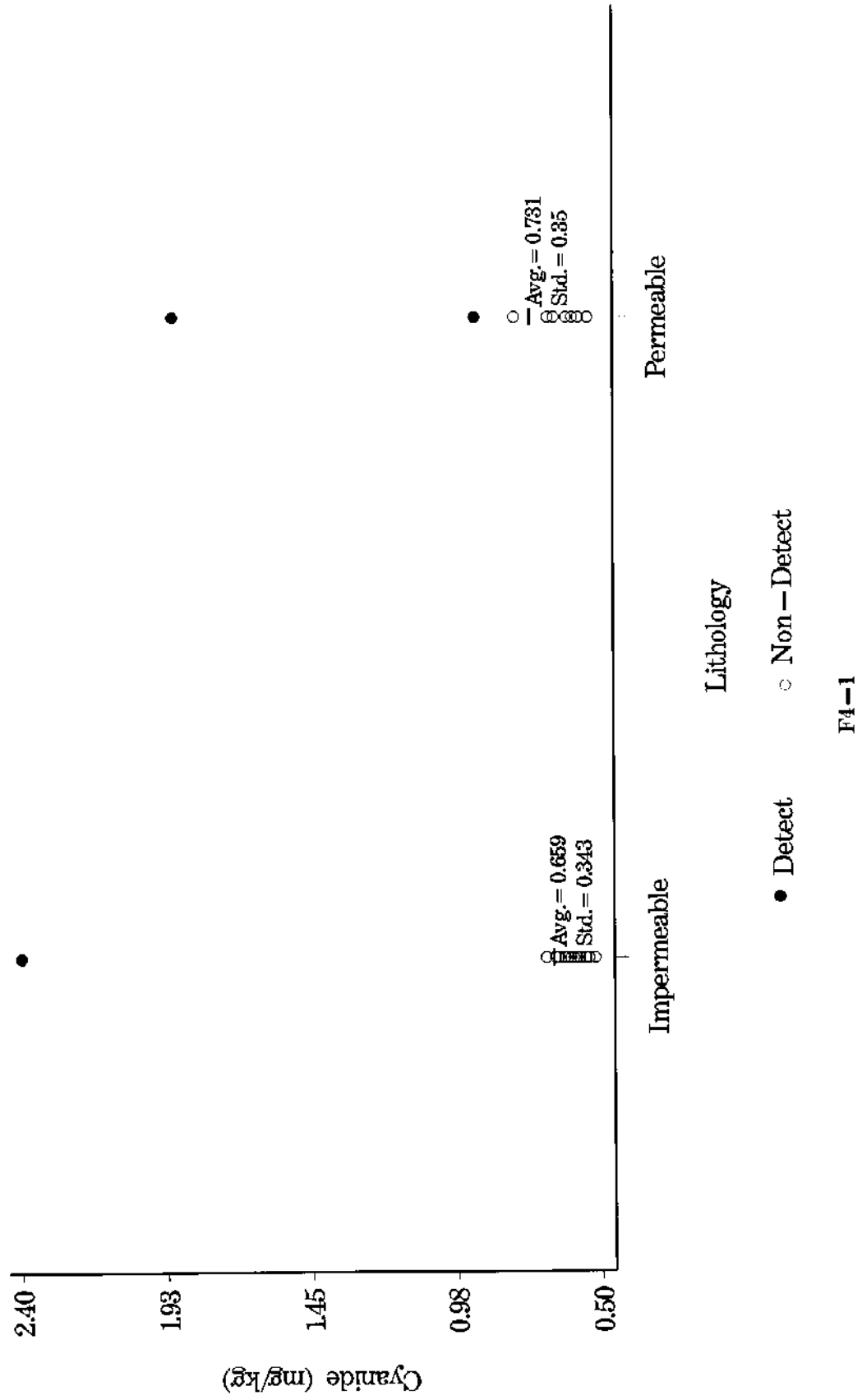
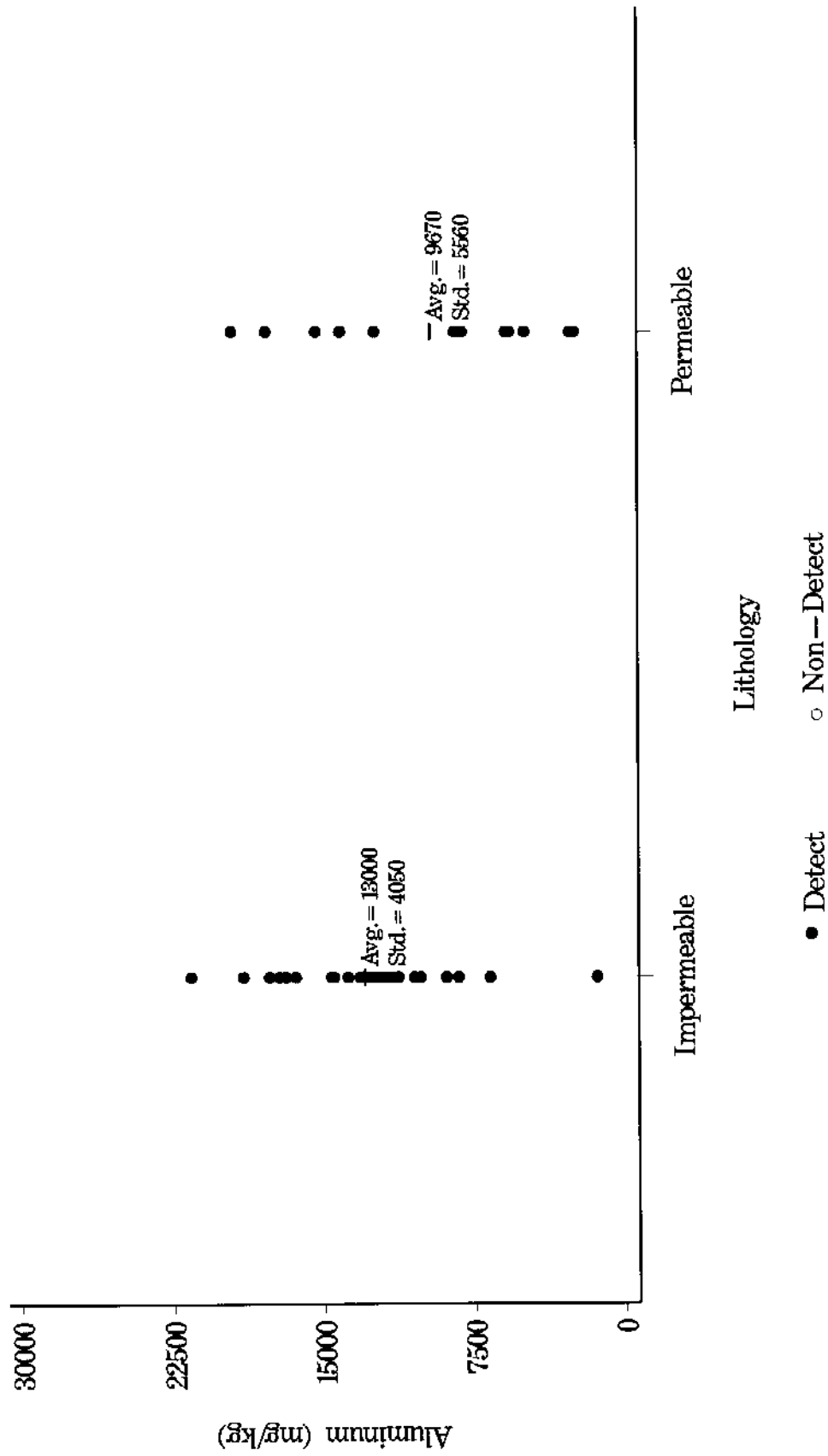
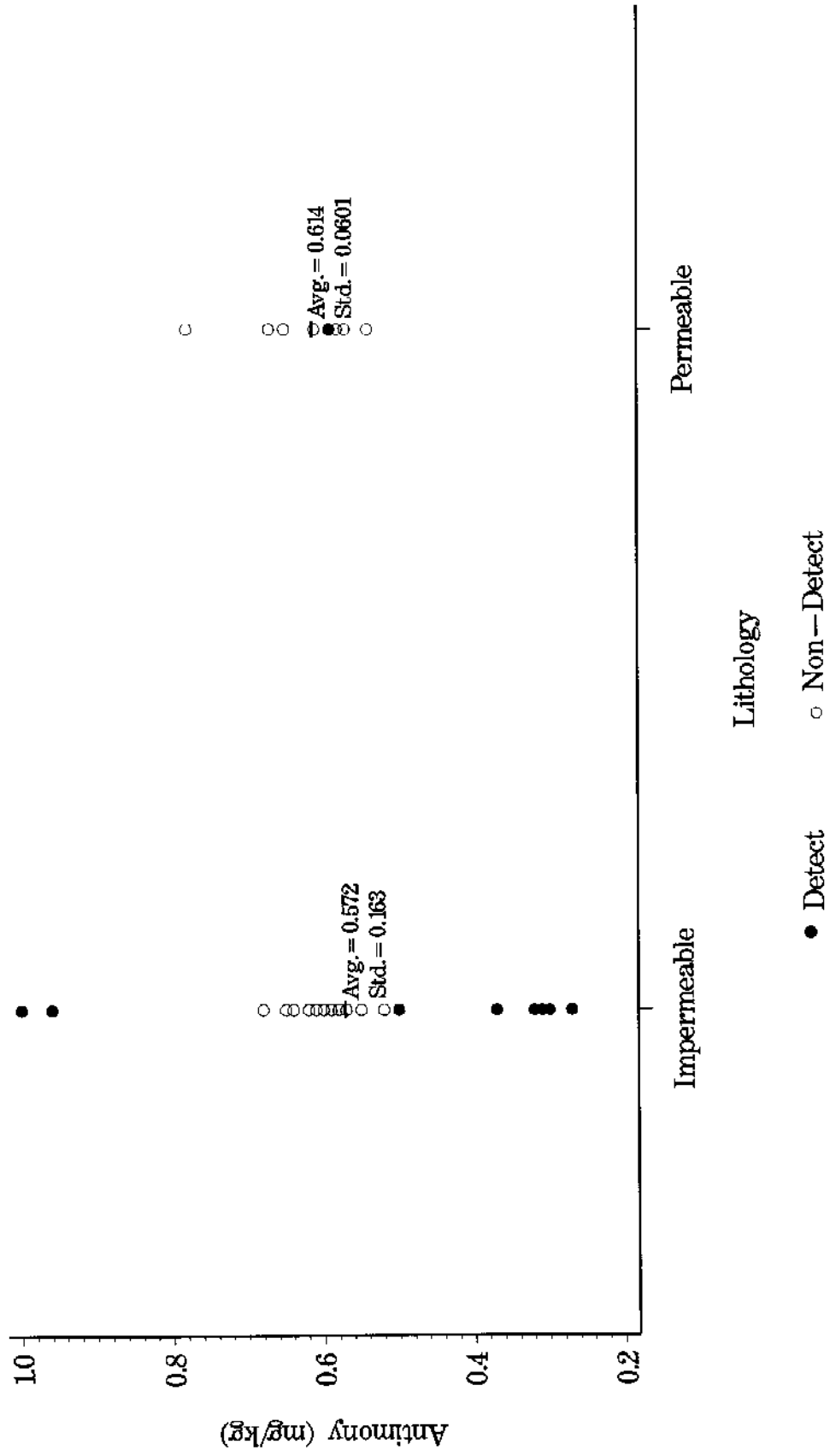


Figure F4-2 Aluminum Concentrations in Ravenna Background Soils by Lithology Class



F4-2

Figure F4-3 Antimony Concentrations in Ravenna Background Soils by Lithology Class



F4-3

Figure F4-4 Arsenic Concentrations in Ravenna Background Soils by Lithology Class

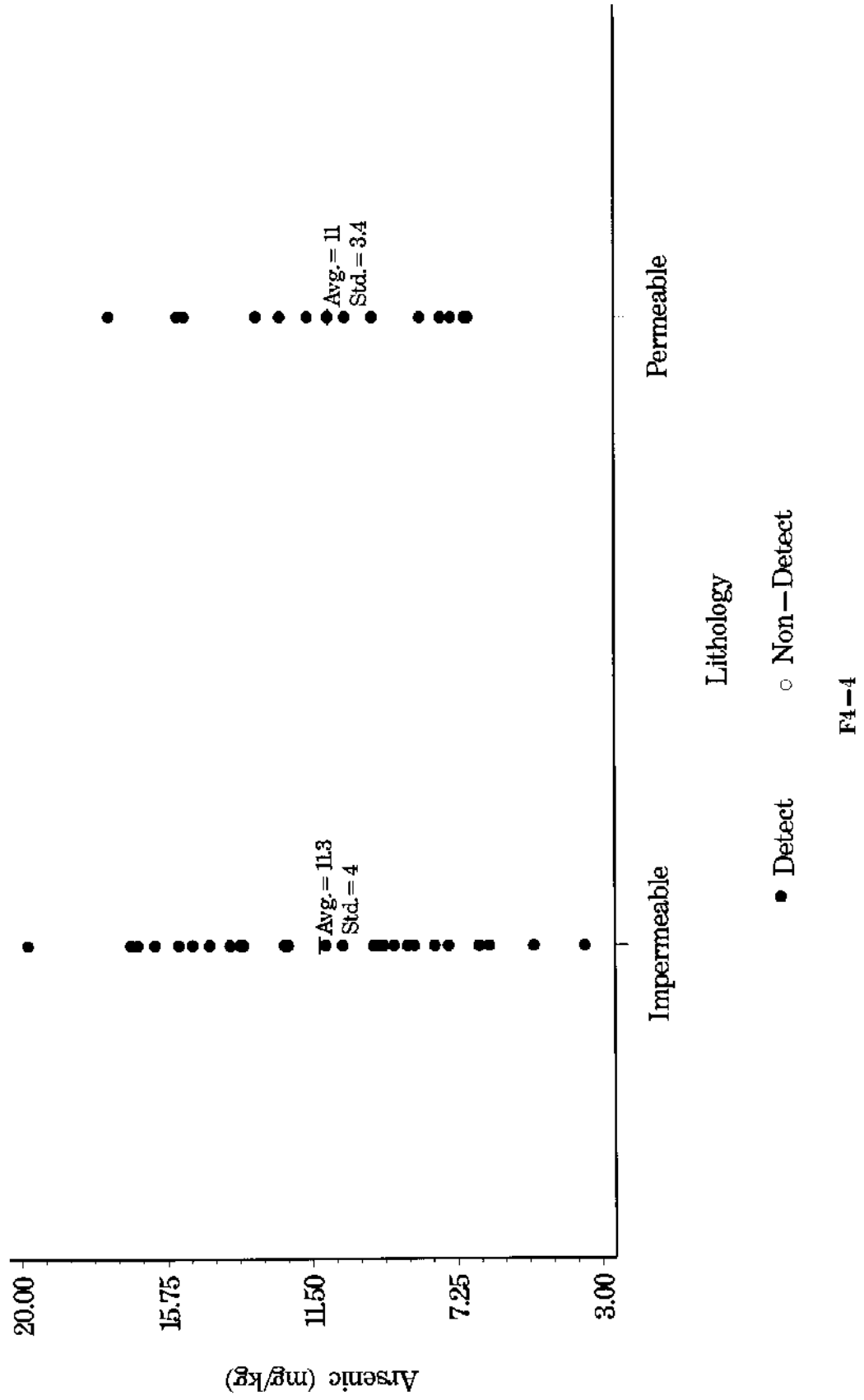


Figure F4-5 Barium Concentrations in Ravenna Background Soils by Lithology Class

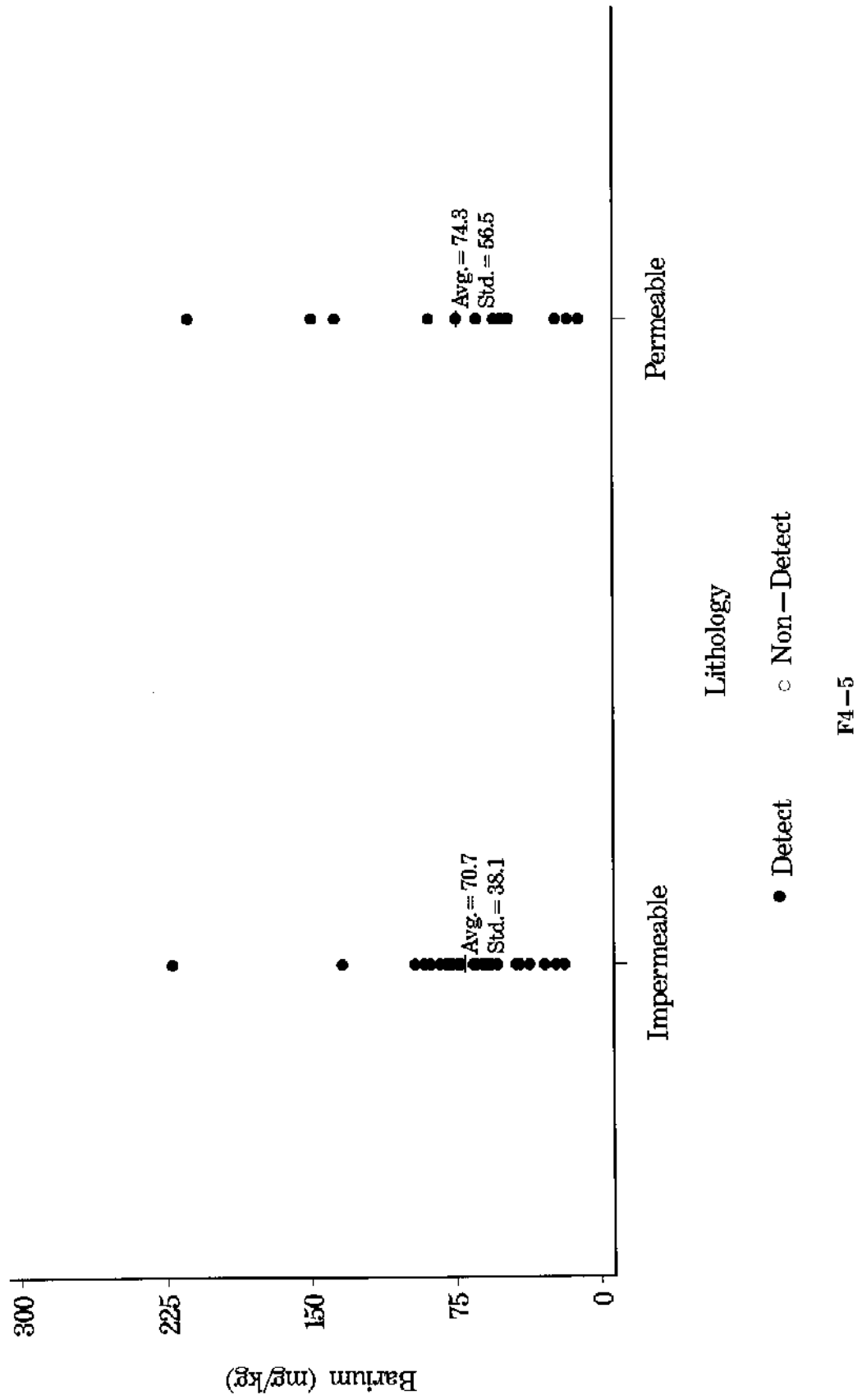
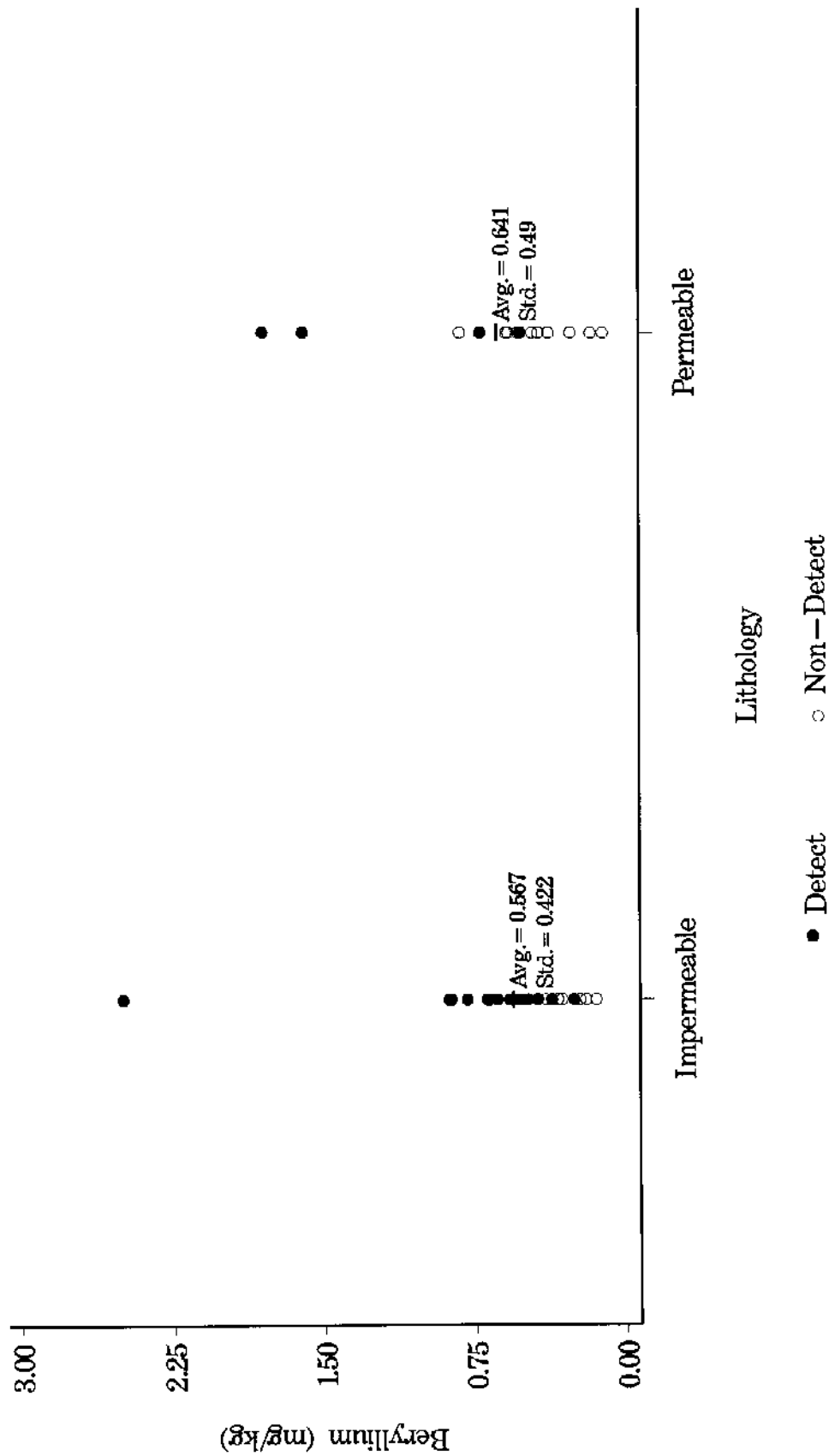


Figure F4-6 Beryllium Concentrations in Ravenna Background Soils by Lithology Class



F4-6

Figure F4-7 Cadmium Concentrations in Ravenna Background Soils by Lithology Class

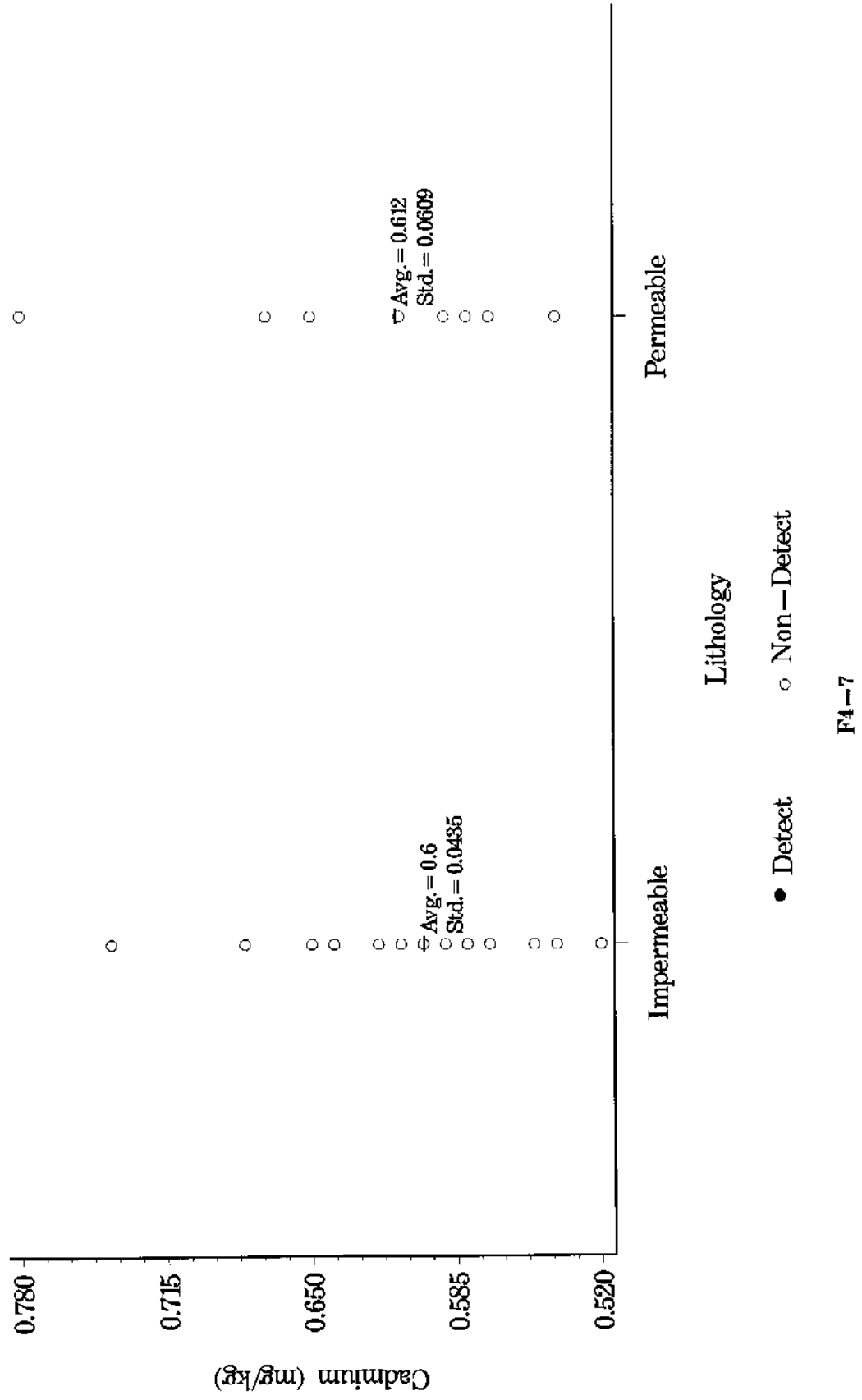


Figure F4-8 Calcium Concentrations in Ravenna Background Soils by Lithology Class

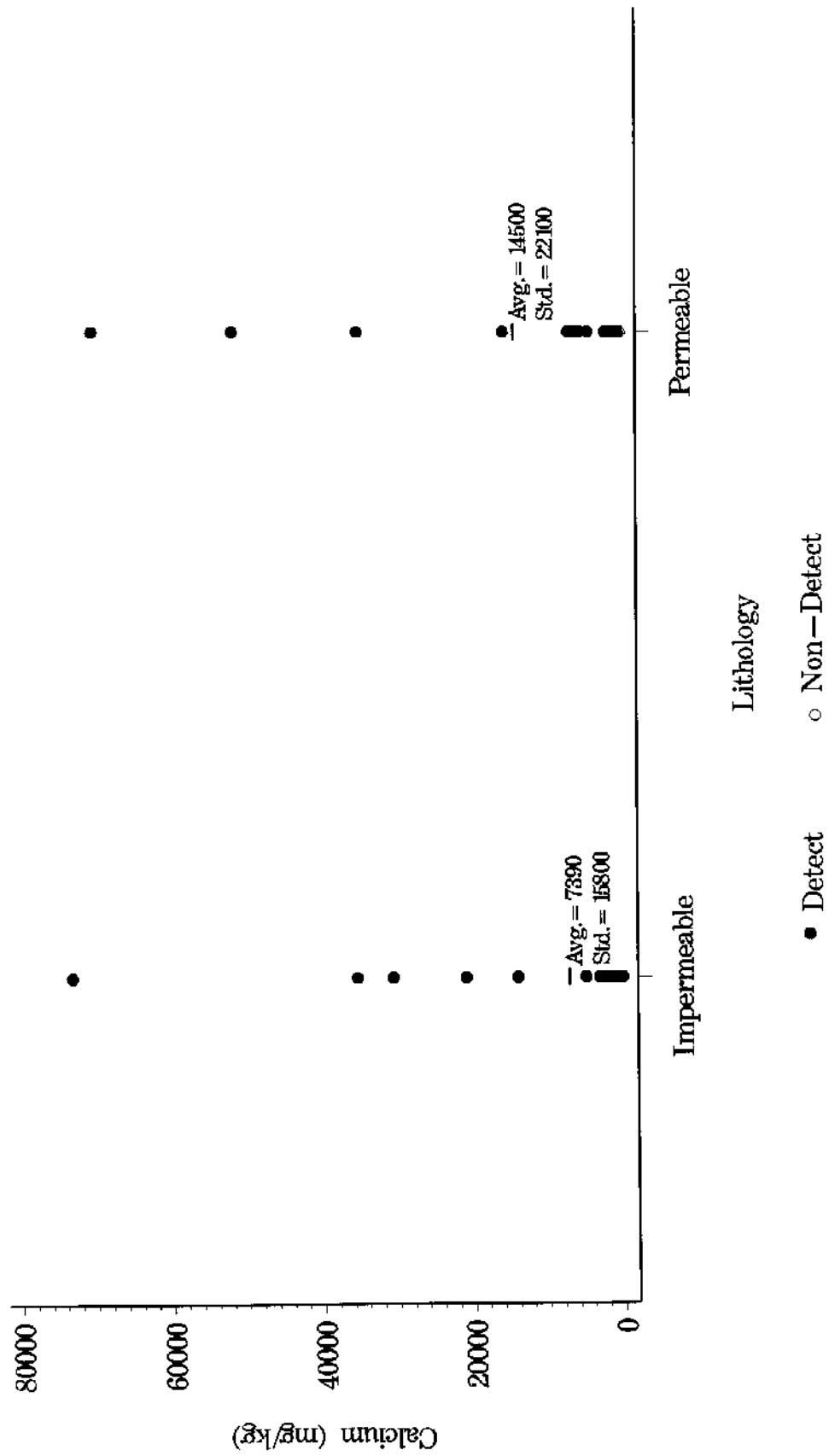


Figure F4-9 Chromium Concentrations in Ravenna Background Soils by Lithology Class

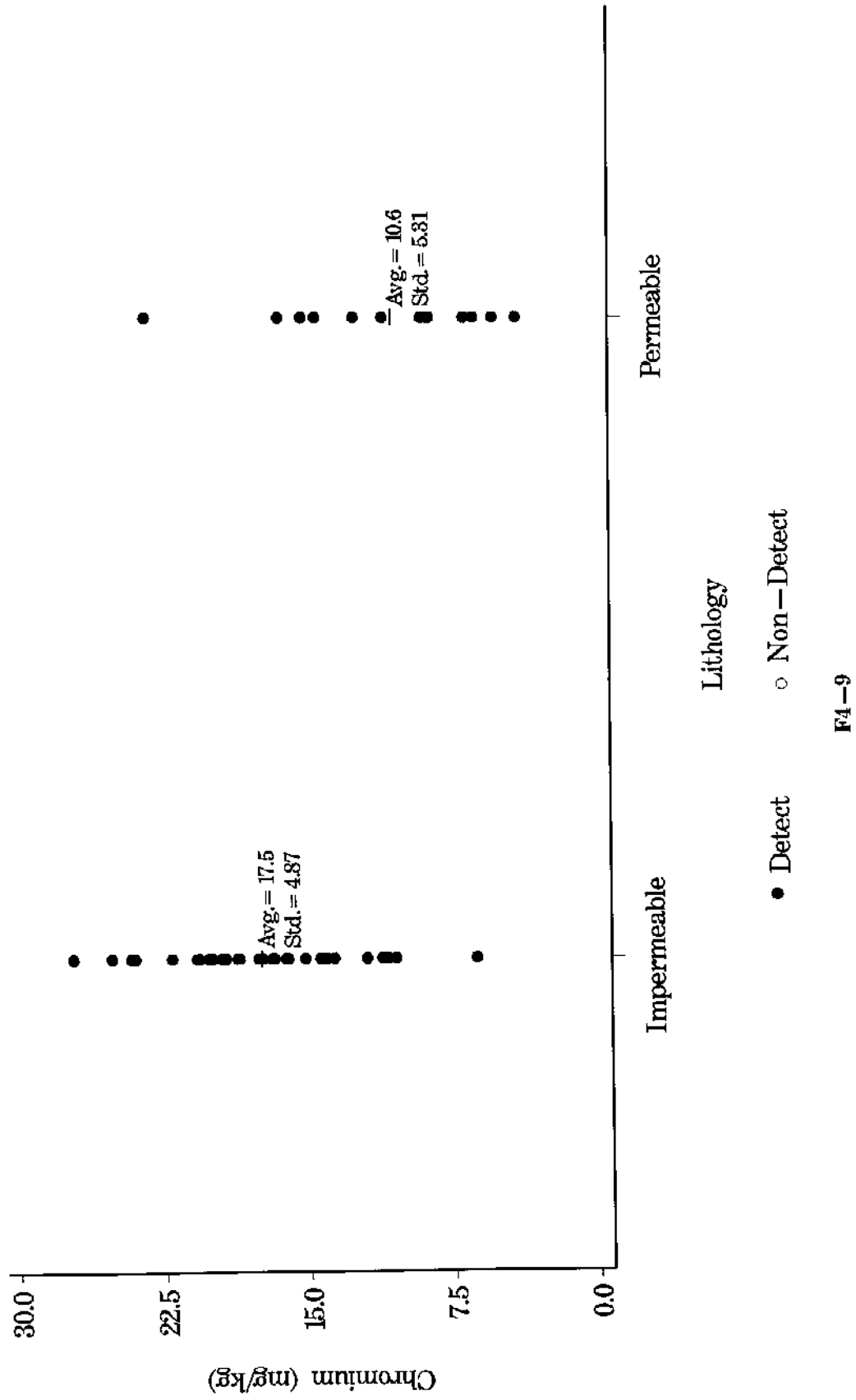
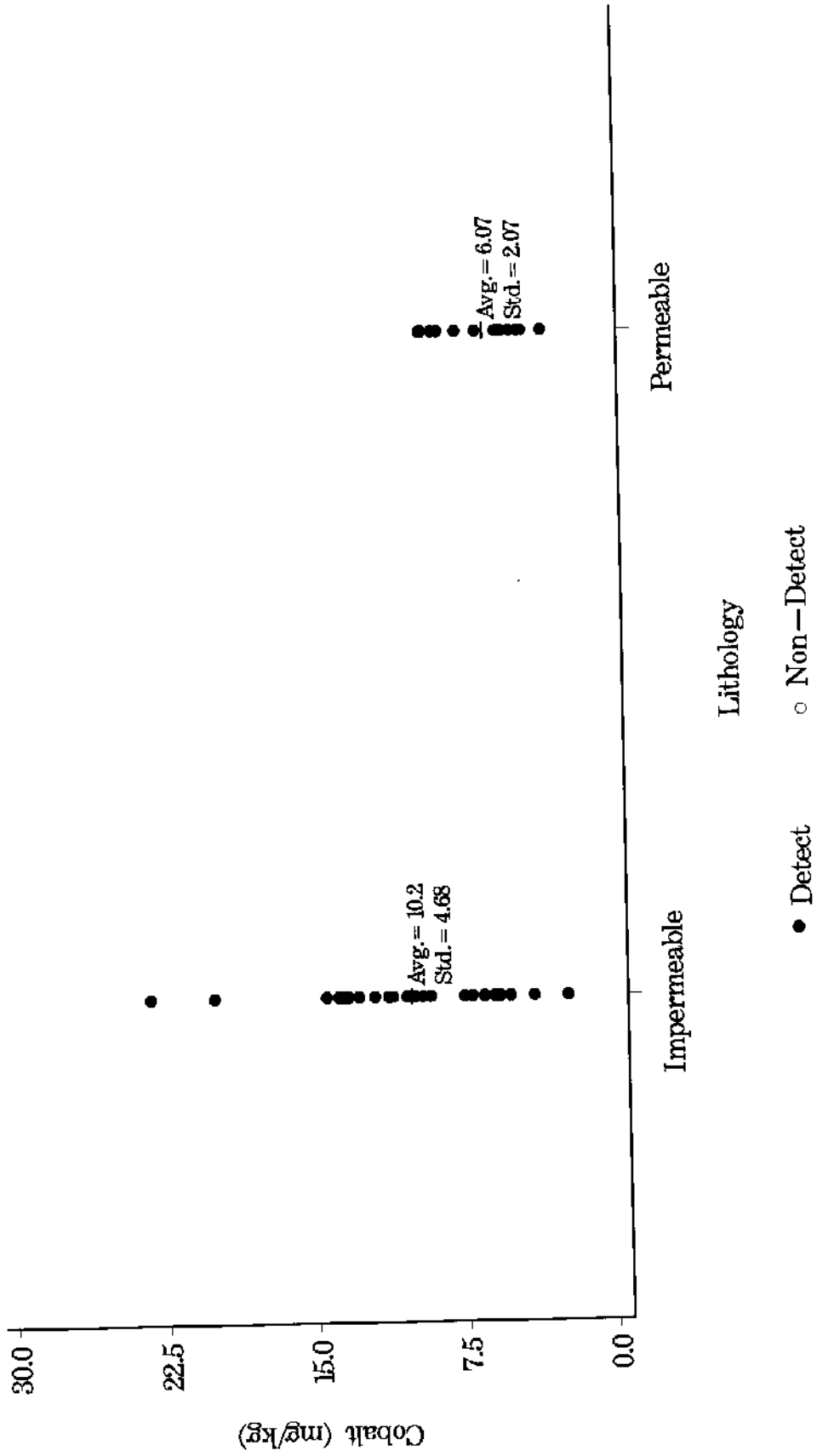
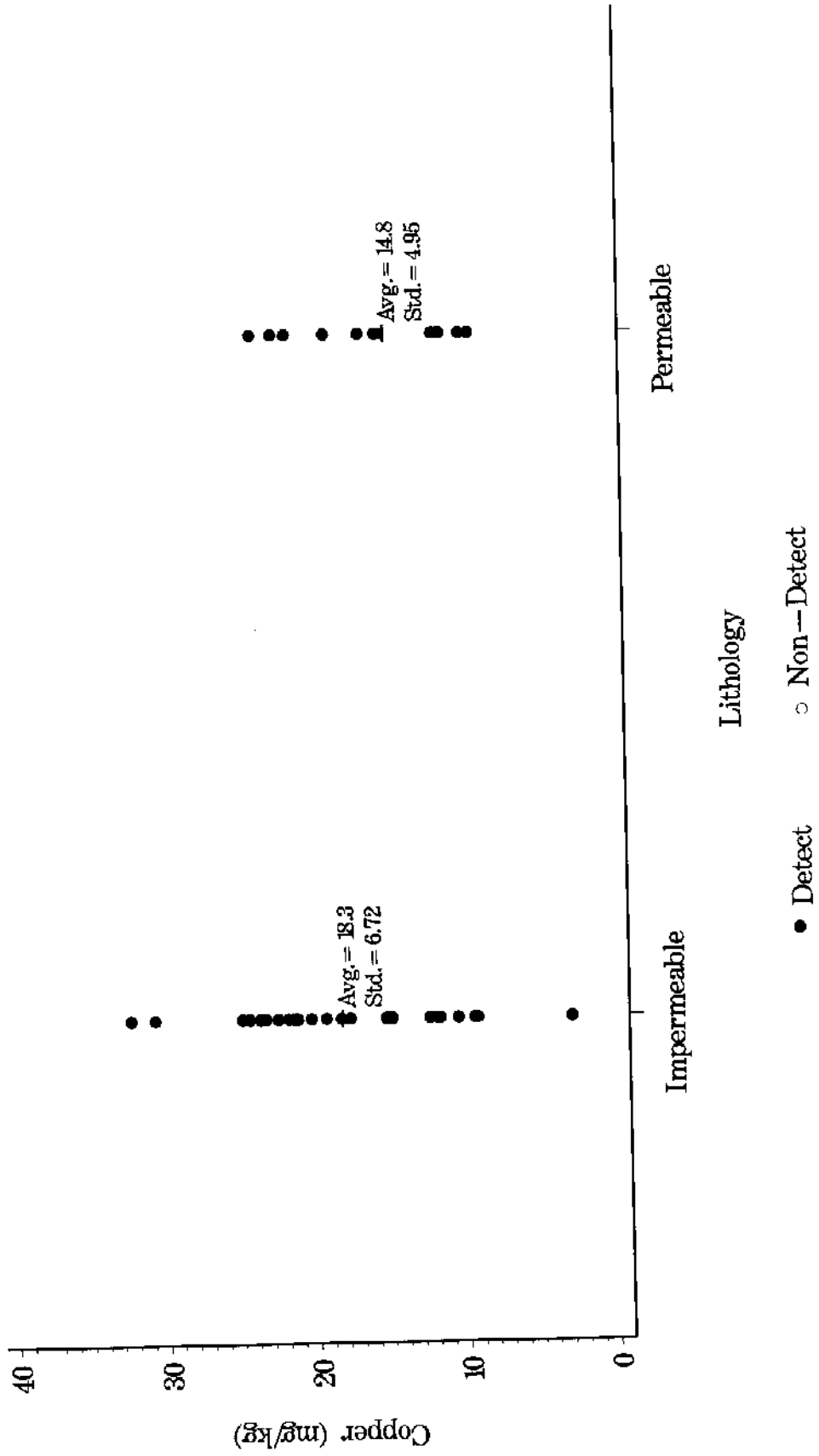


Figure F4-10 Cobalt Concentrations in Ravenna Background Soils by Lithology Class



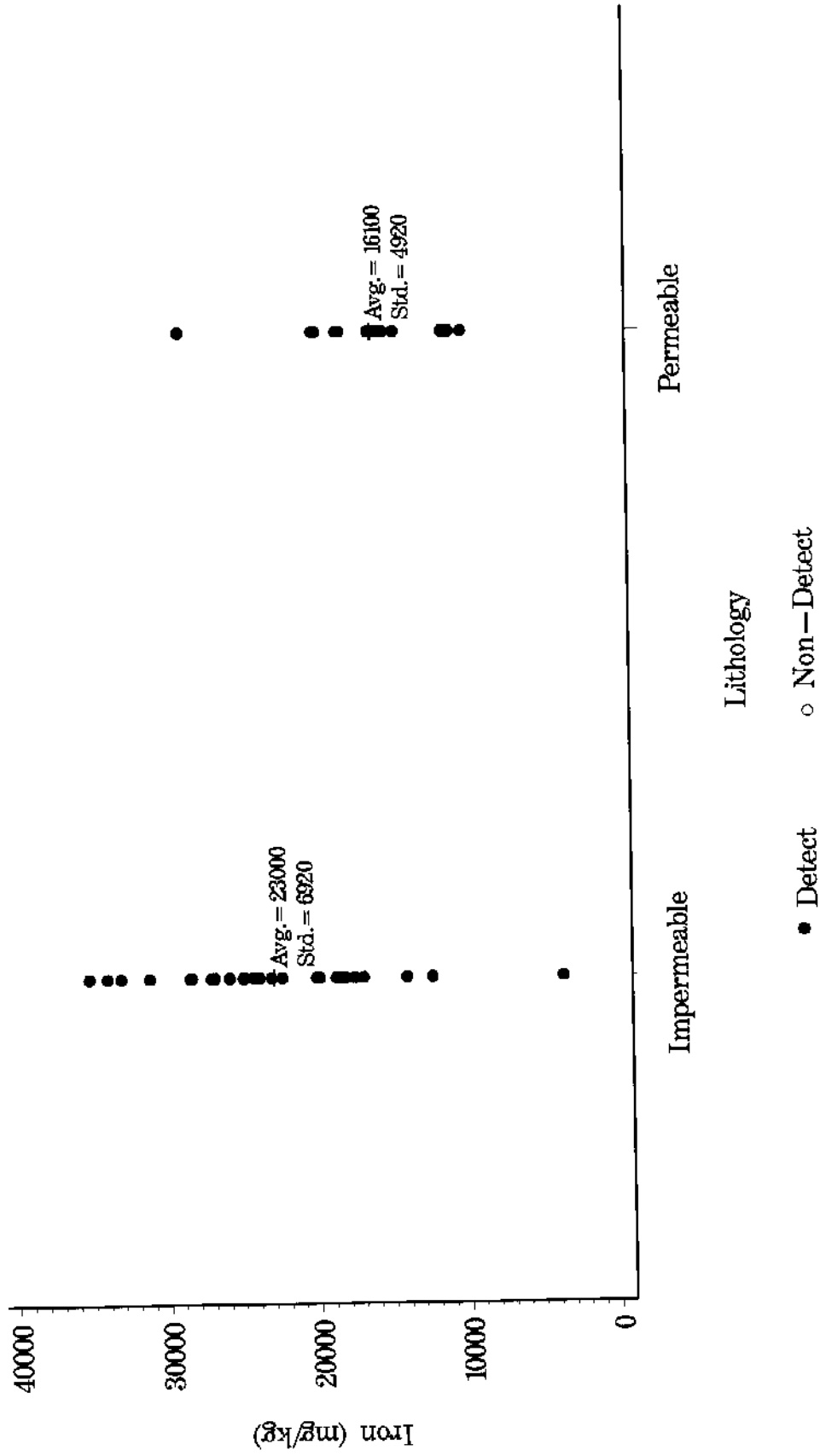
F4-10

Figure F4-11 Copper Concentrations in Ravenna Background Soils by Lithology Class



F4-11

Figure F4—12 Iron Concentrations in Ravenna Background Soils by Lithology Class



F4—12

Figure F4—¹³Lead Concentrations in Ravenna Background Soils by Lithology Class

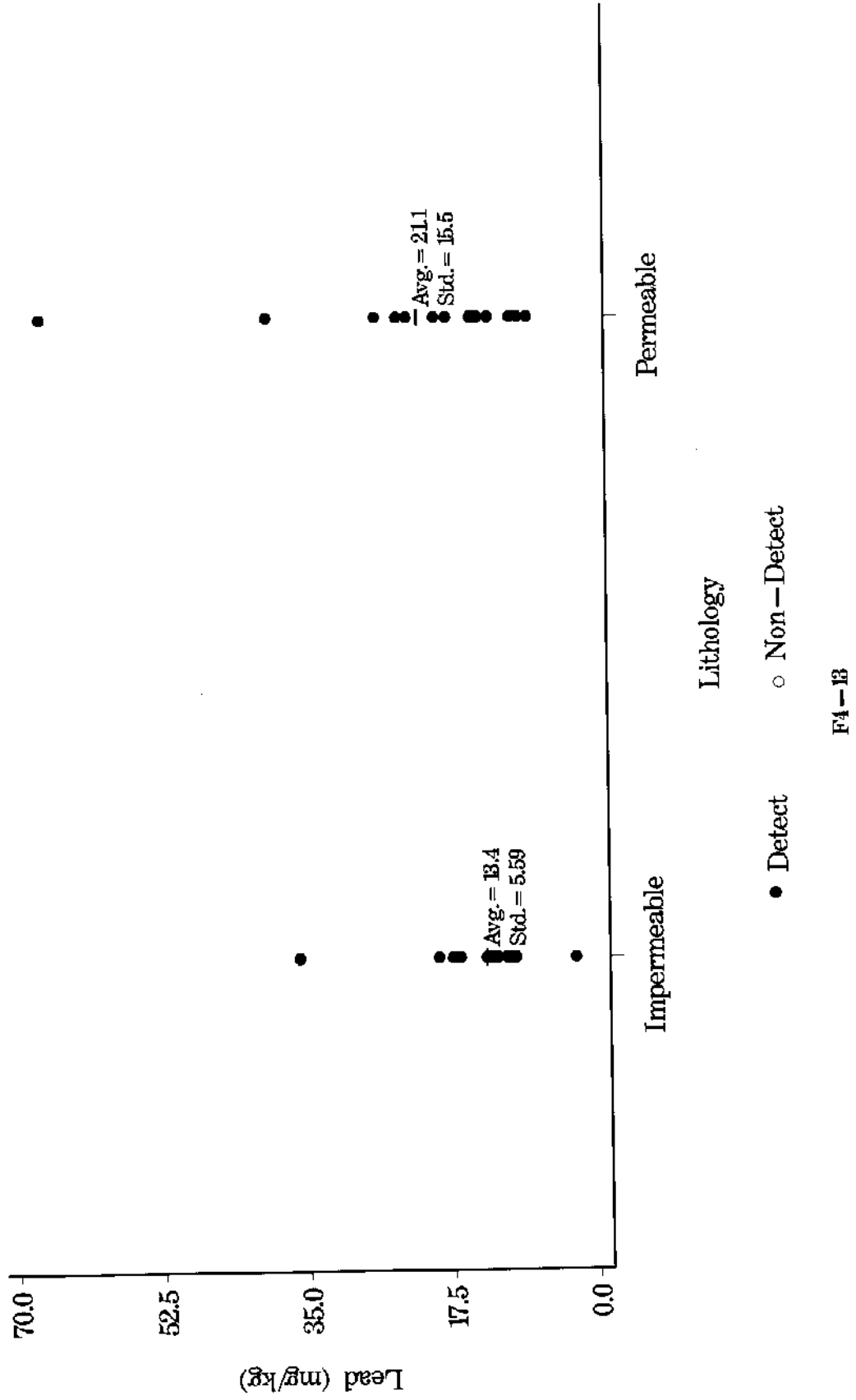


Figure F4-14 Magnesium Concentrations in Ravenna Background Soils by Lithology Class

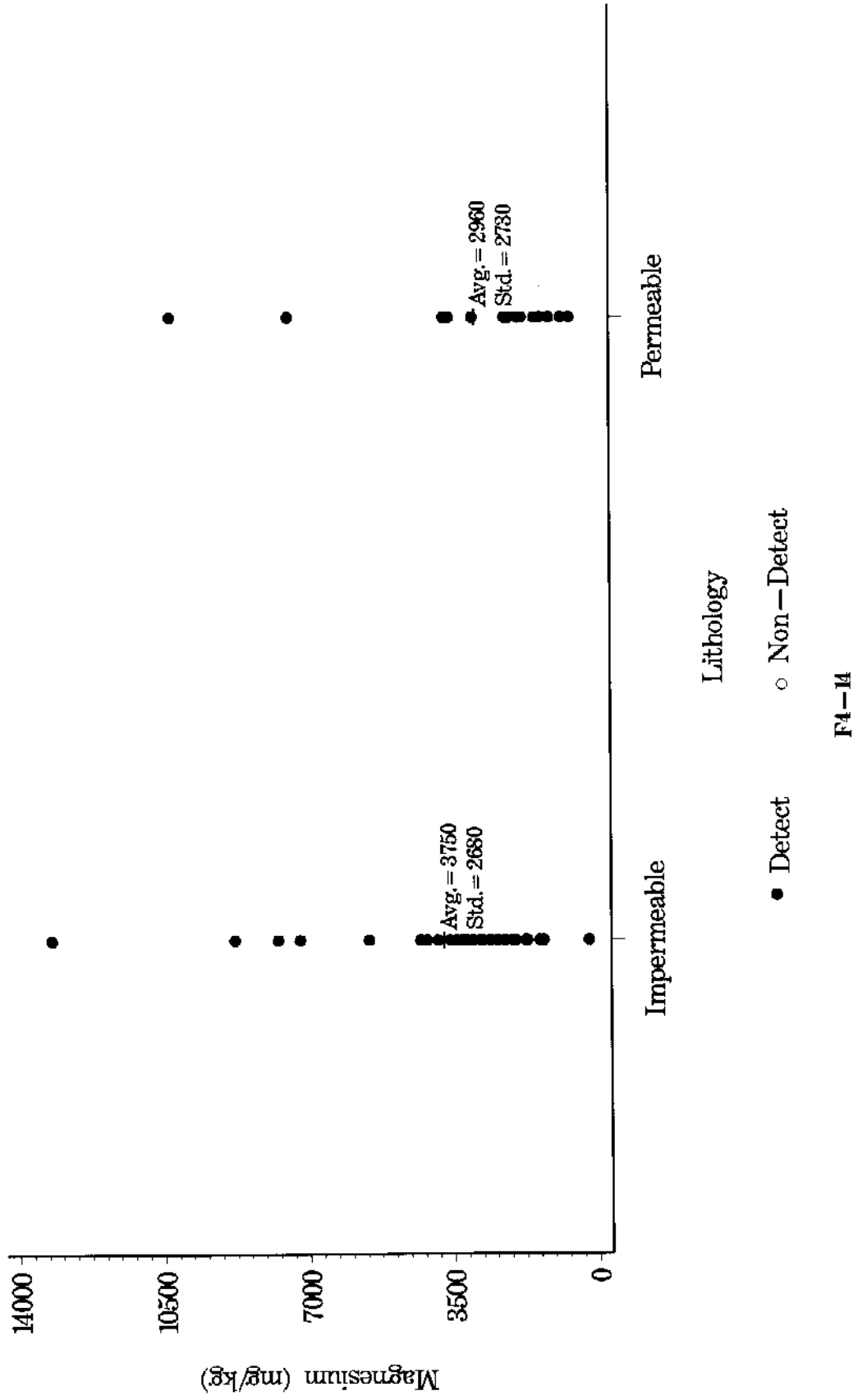
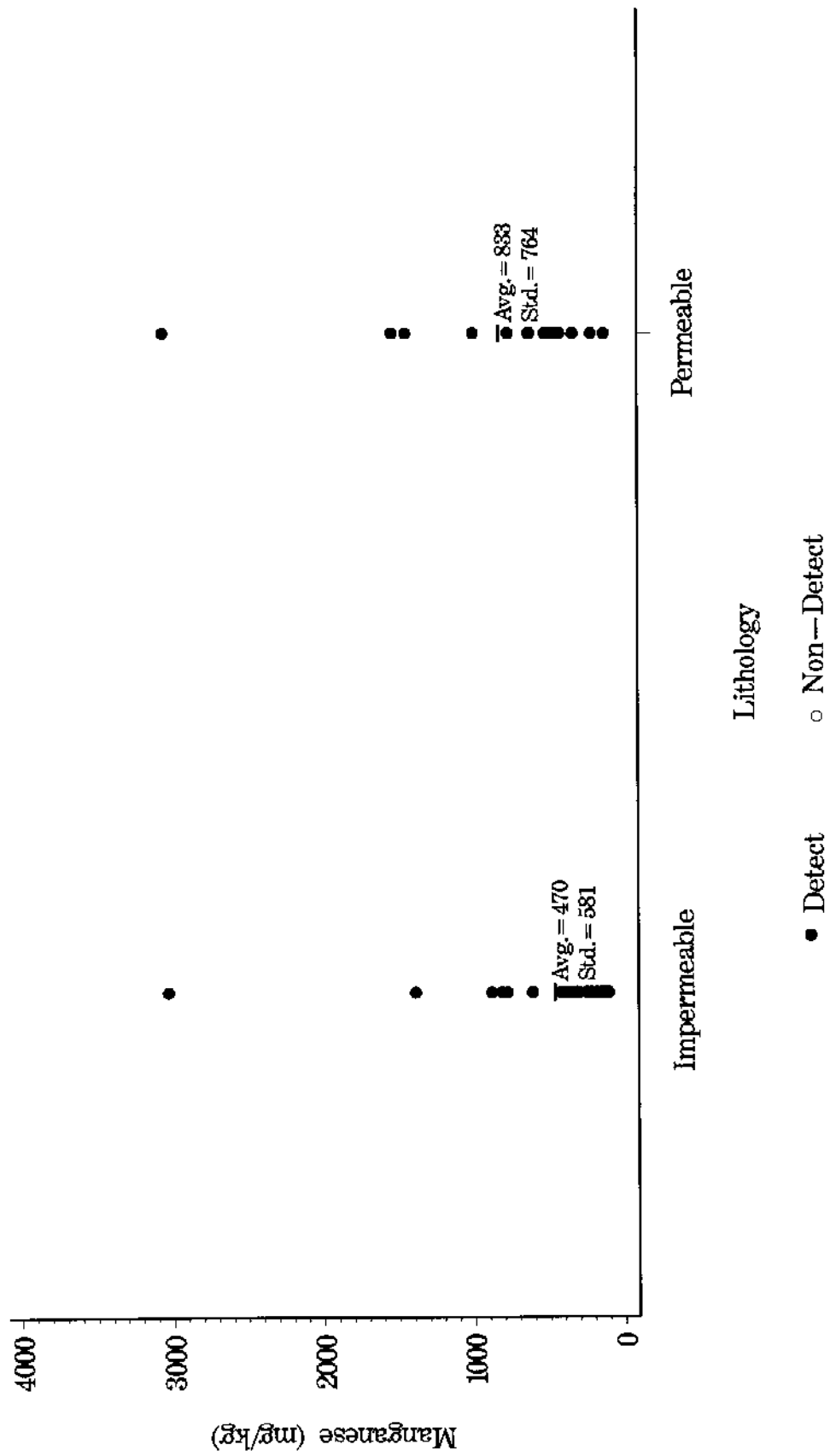
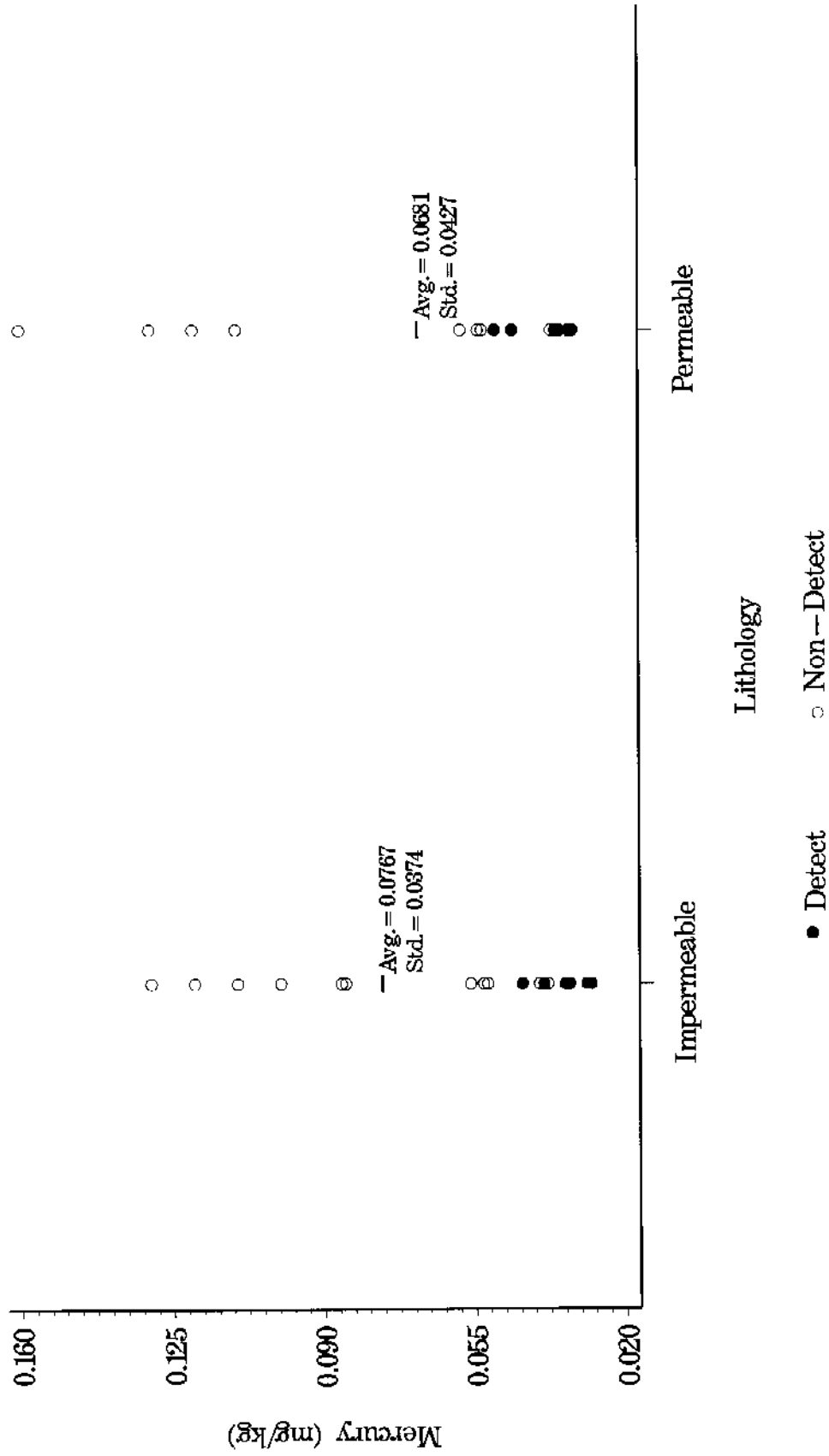


Figure F4-15 Manganese Concentrations in Ravenna Background Soils by Lithology Class



F4-15

Figure F4-16 Mercury Concentrations in Ravenna Background Soils by Lithology Class



F4-16

Figure F4-17 Nickel Concentrations in Ravenna Background Soils by Lithology Class

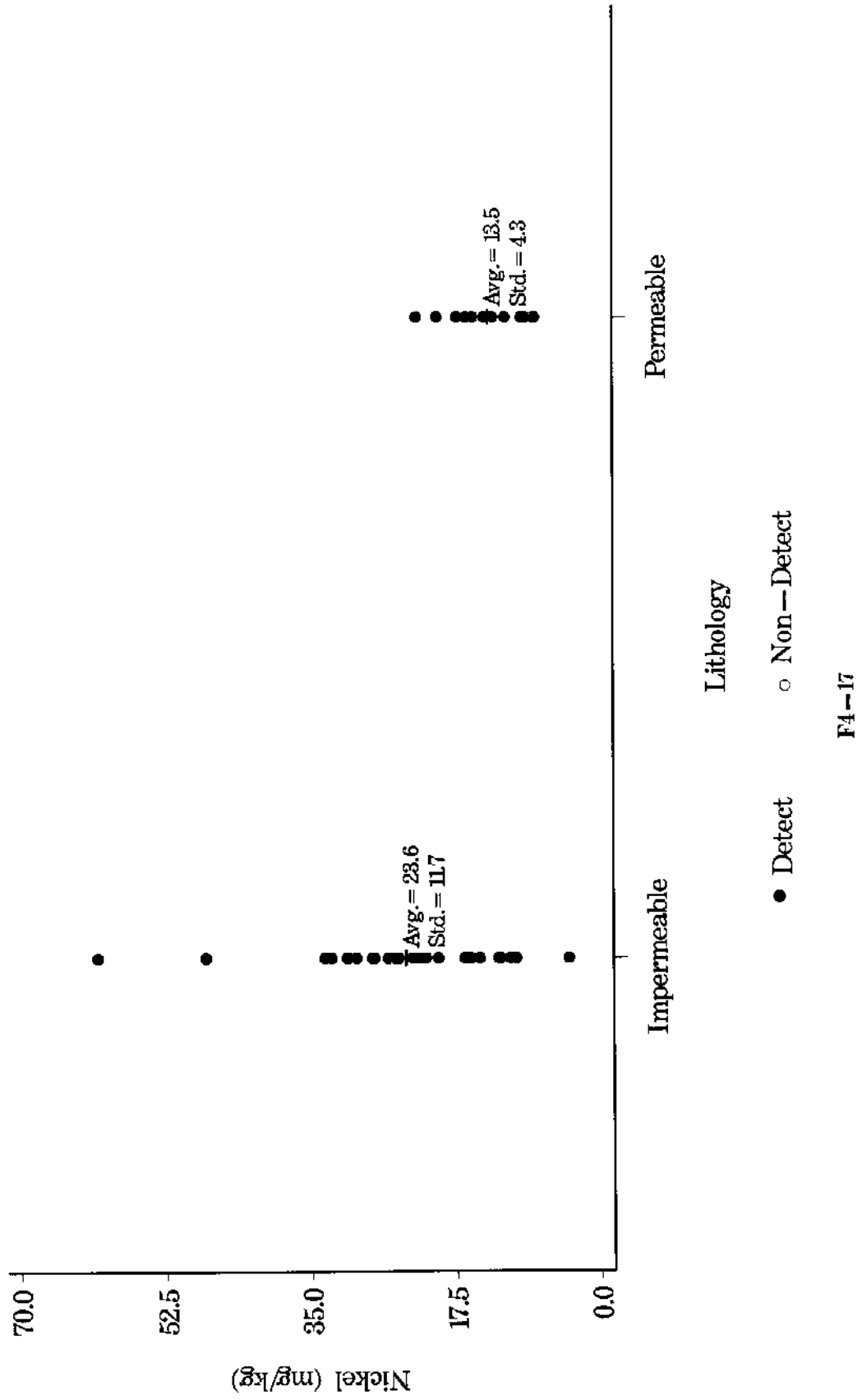


Figure F4-18 Potassium Concentrations in Ravenna Background Soils by Lithology Class

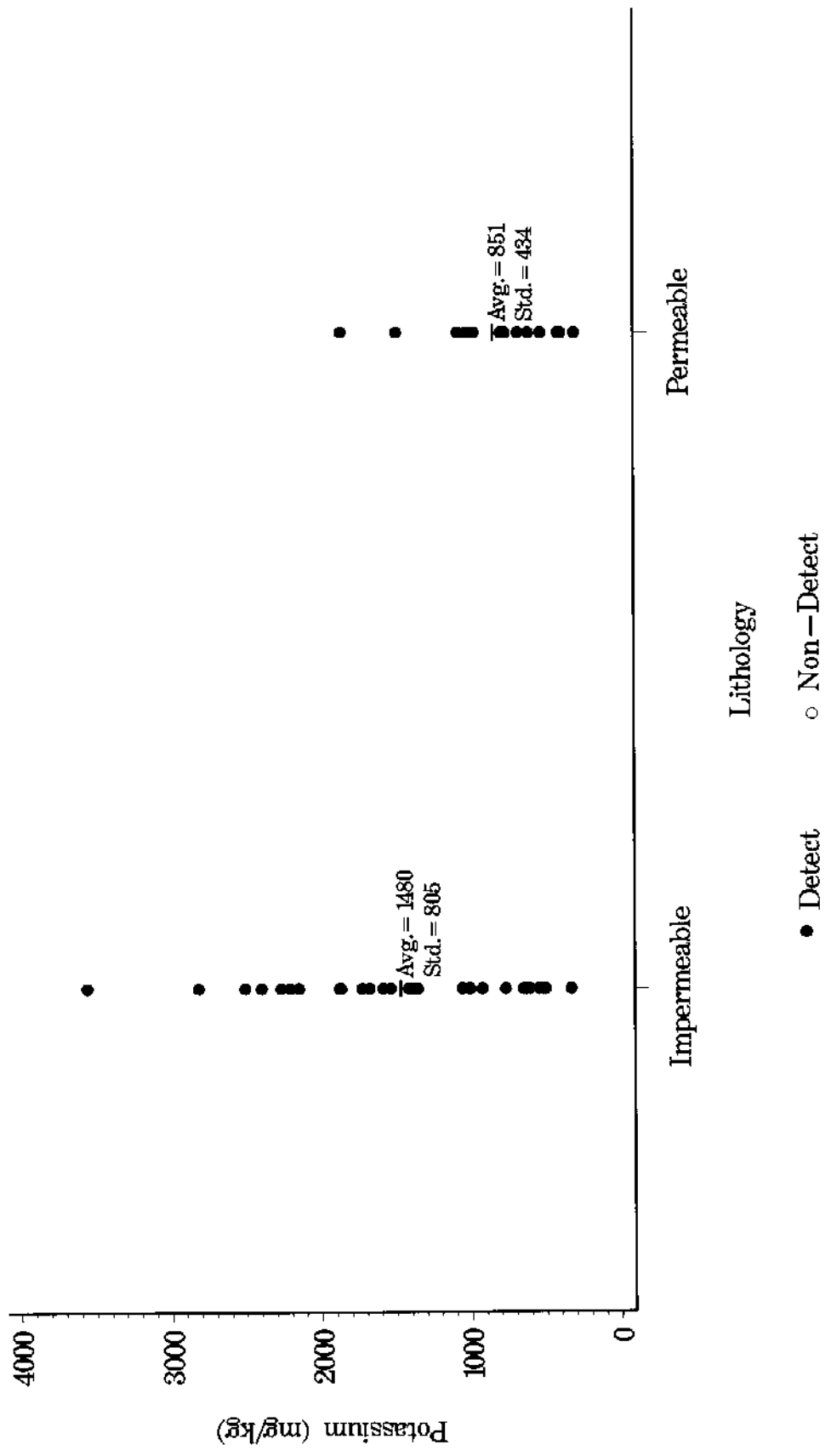


Figure F4-19 Selenium Concentrations in Ravenna Background Soils by Lithology Class

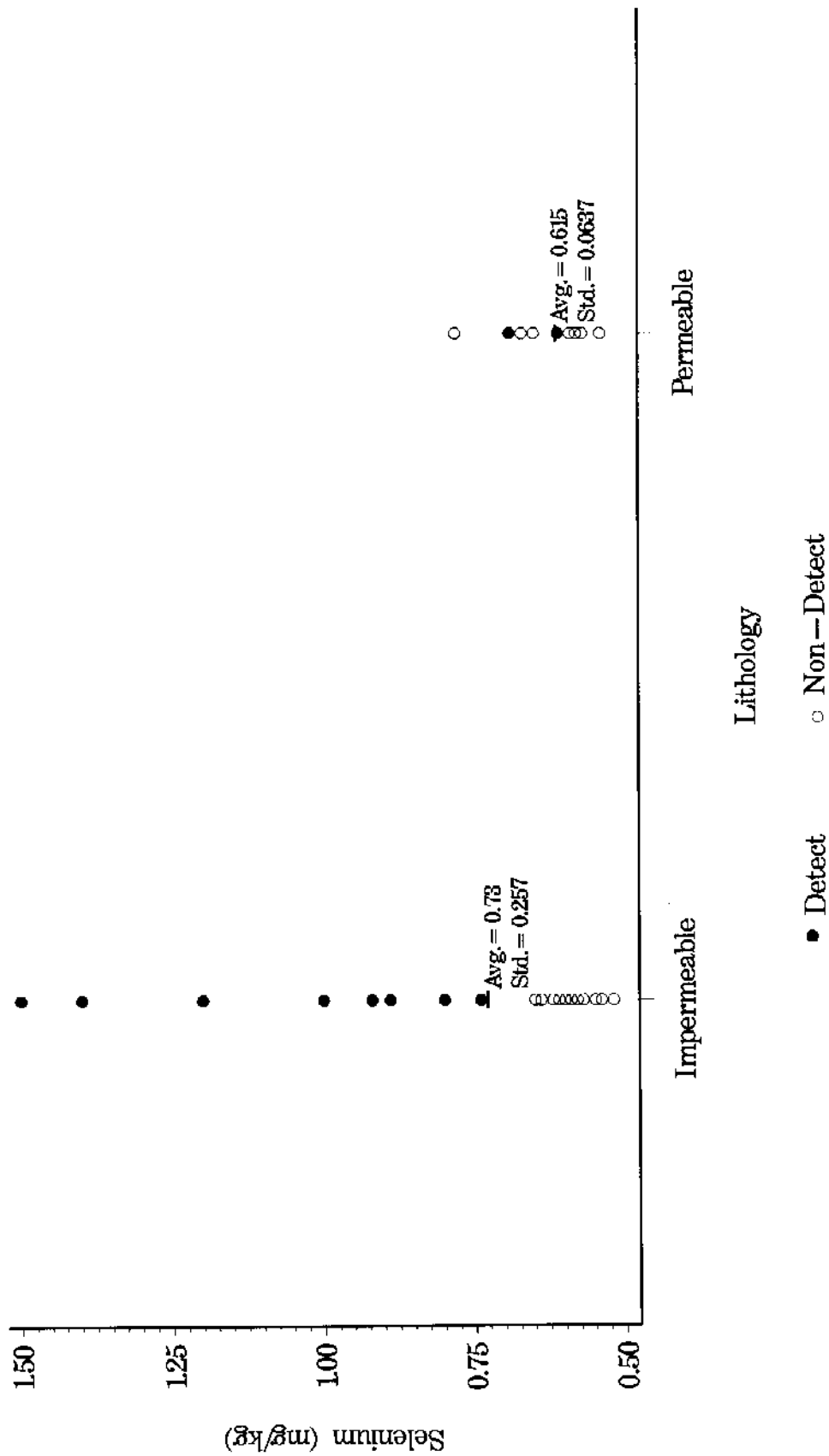
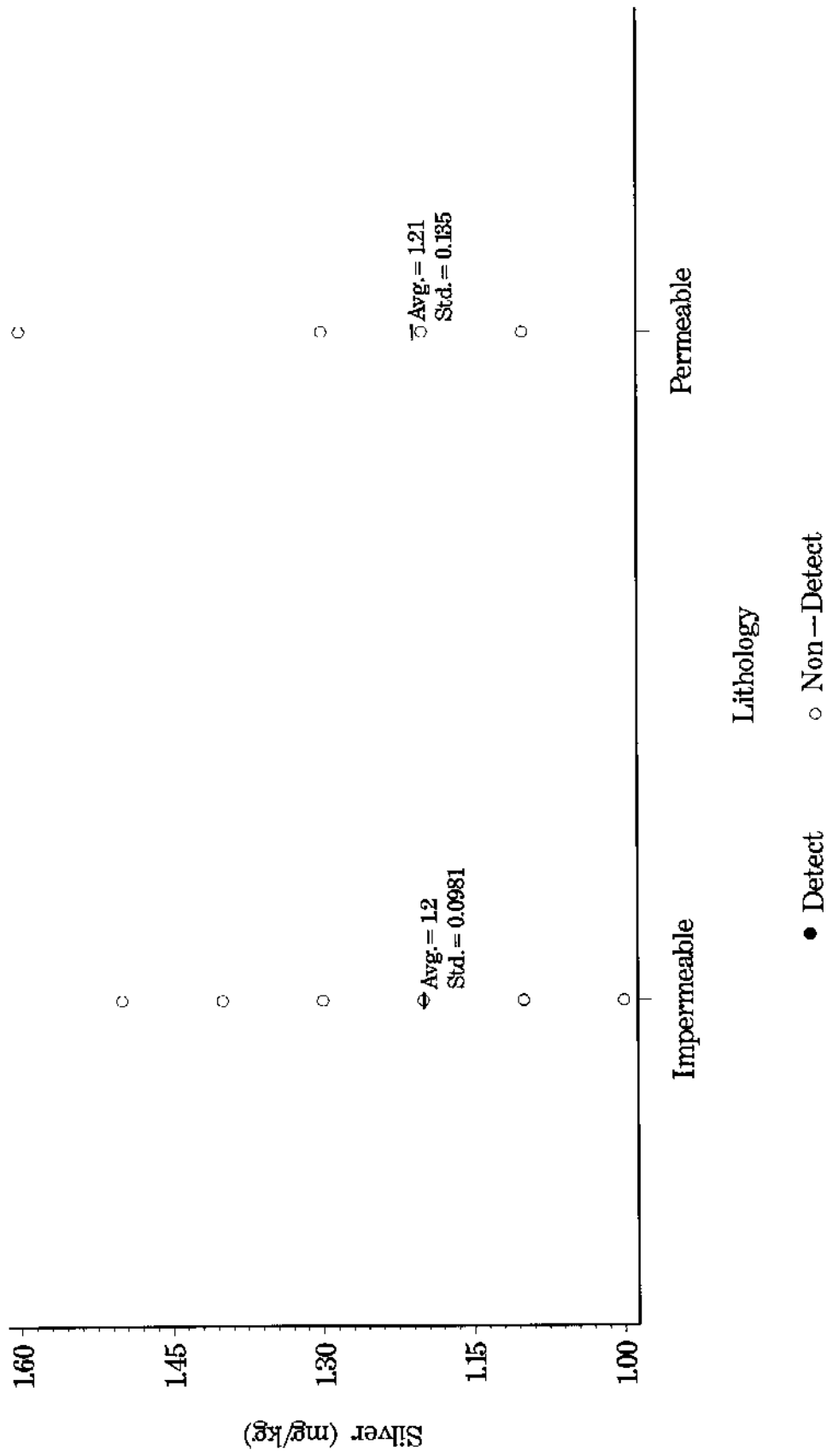


Figure F4-20 Silver Concentrations in Ravenna Background Soils by Lithology Class



F4-20

Figure F4—21 Sodium Concentrations in Ravenna Background Soils by Lithology Class

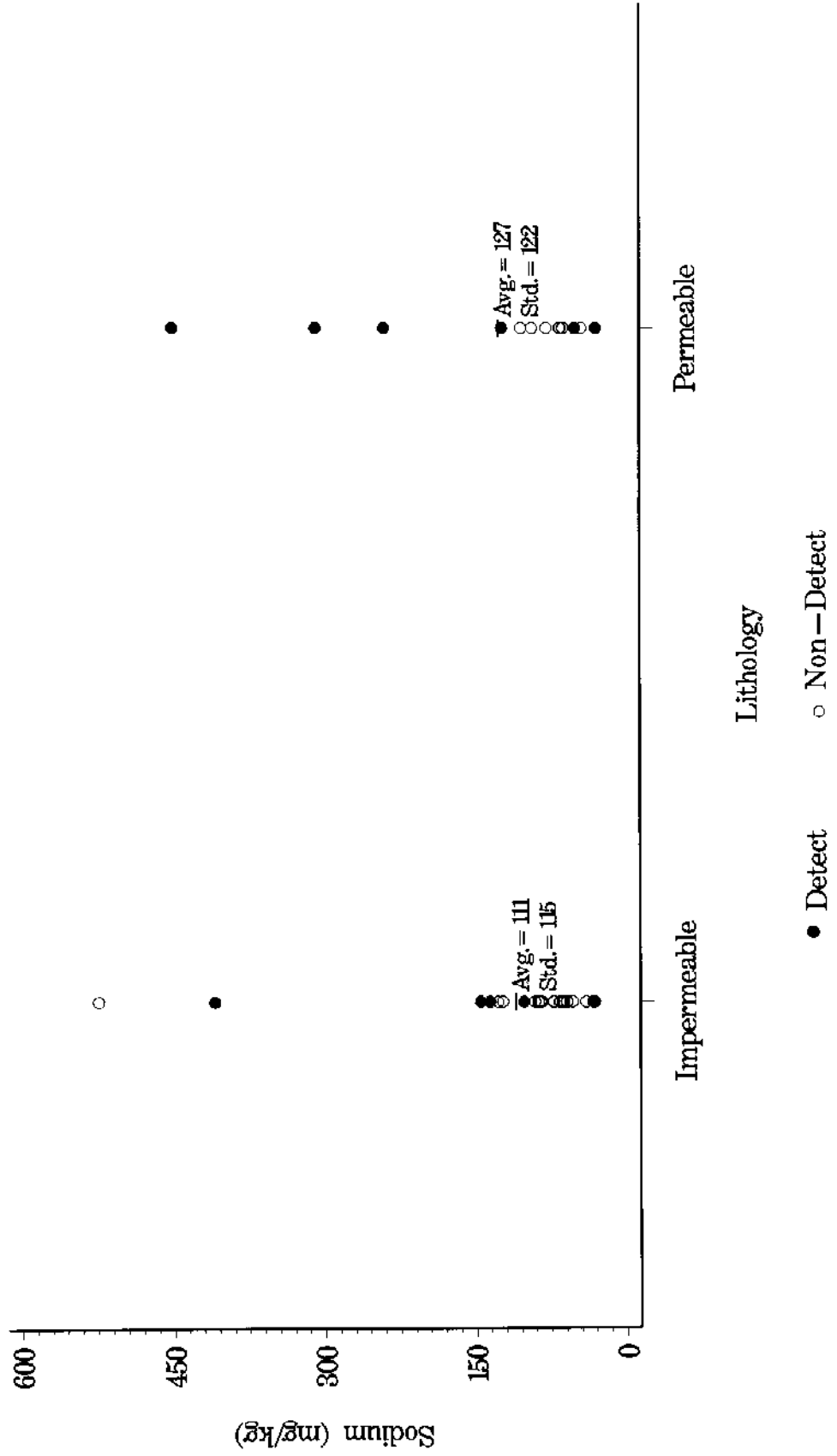
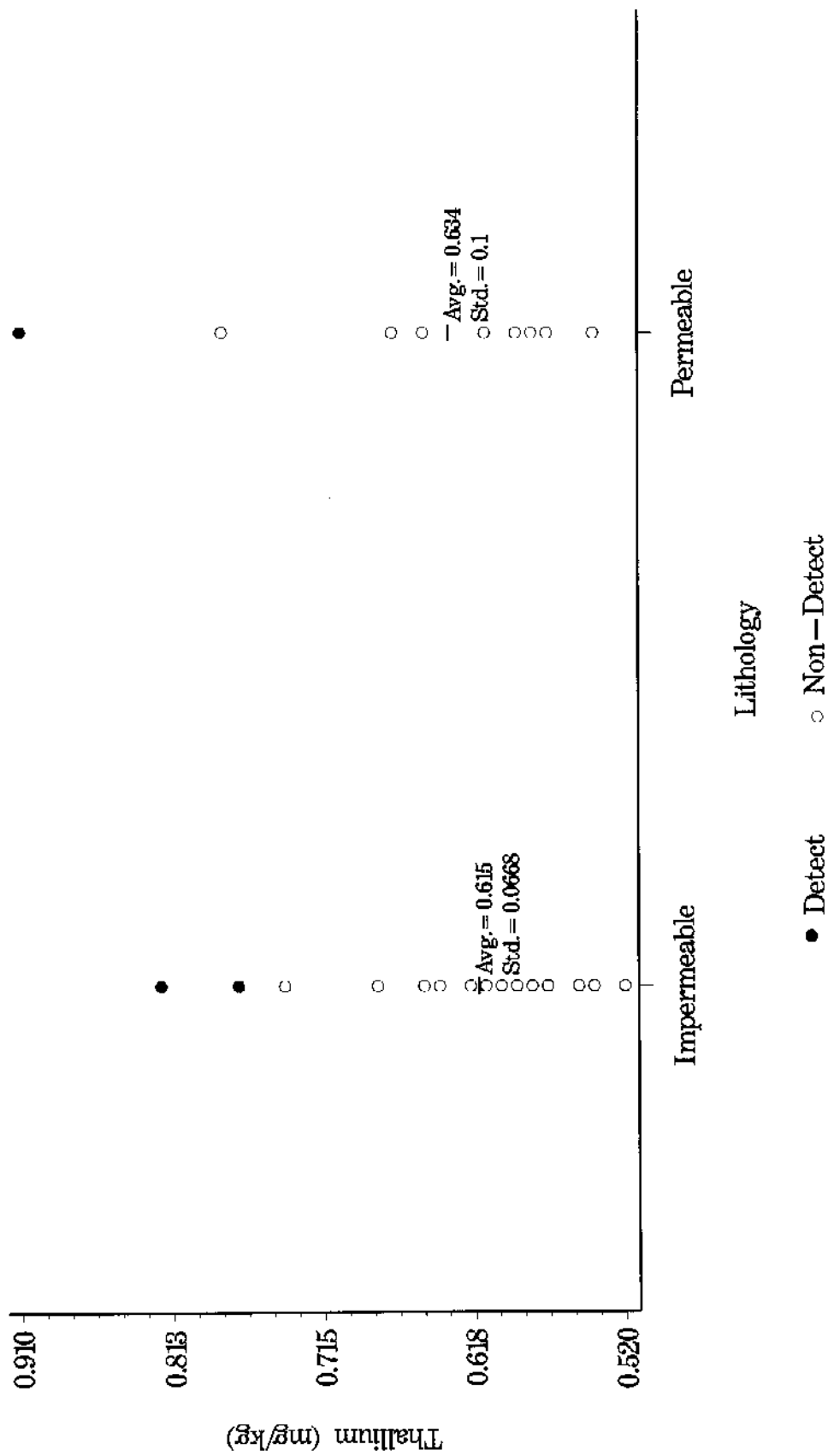
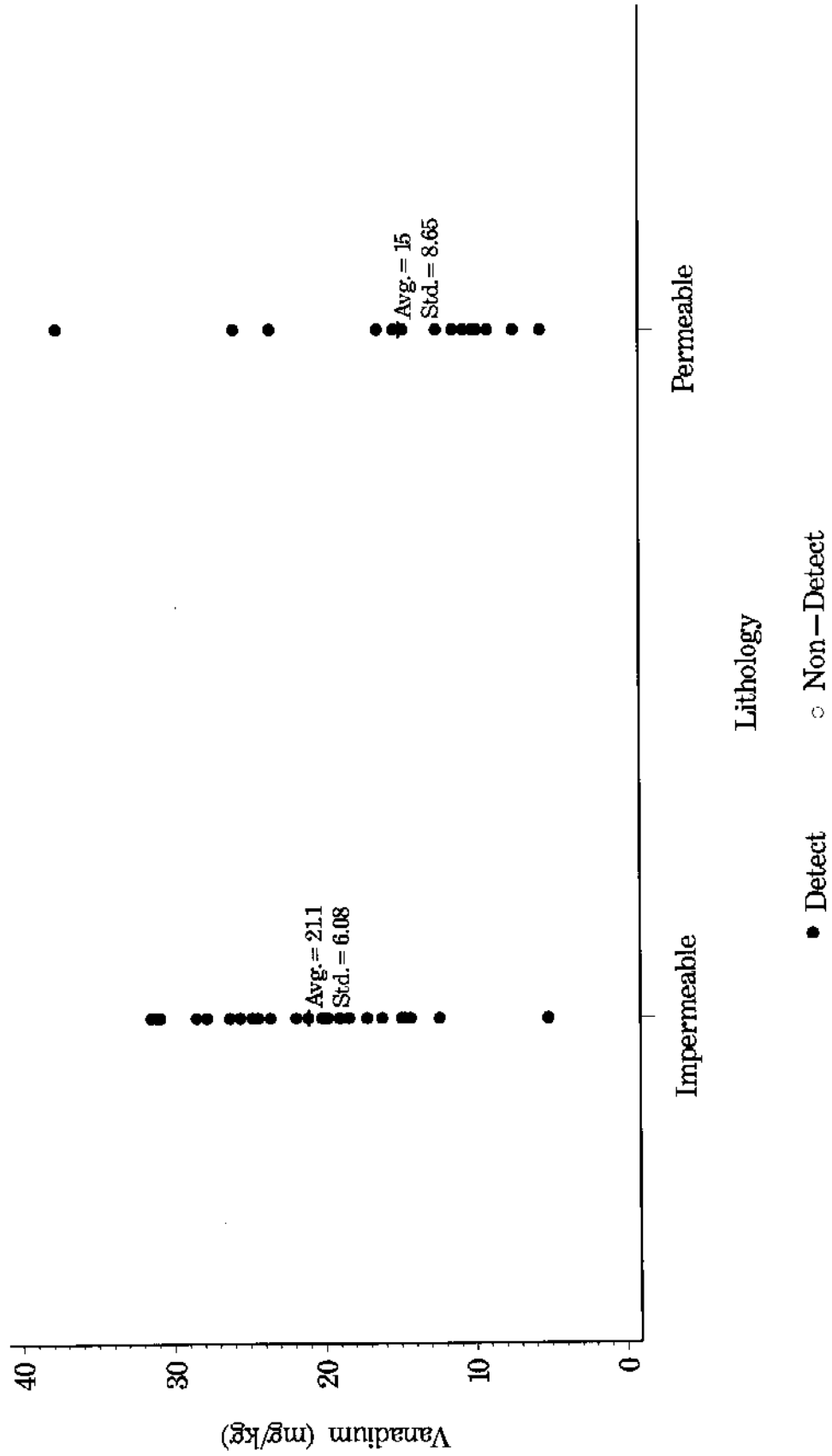


Figure F4-22 Thallium Concentrations in Ravenna Background Soils by Lithology Class



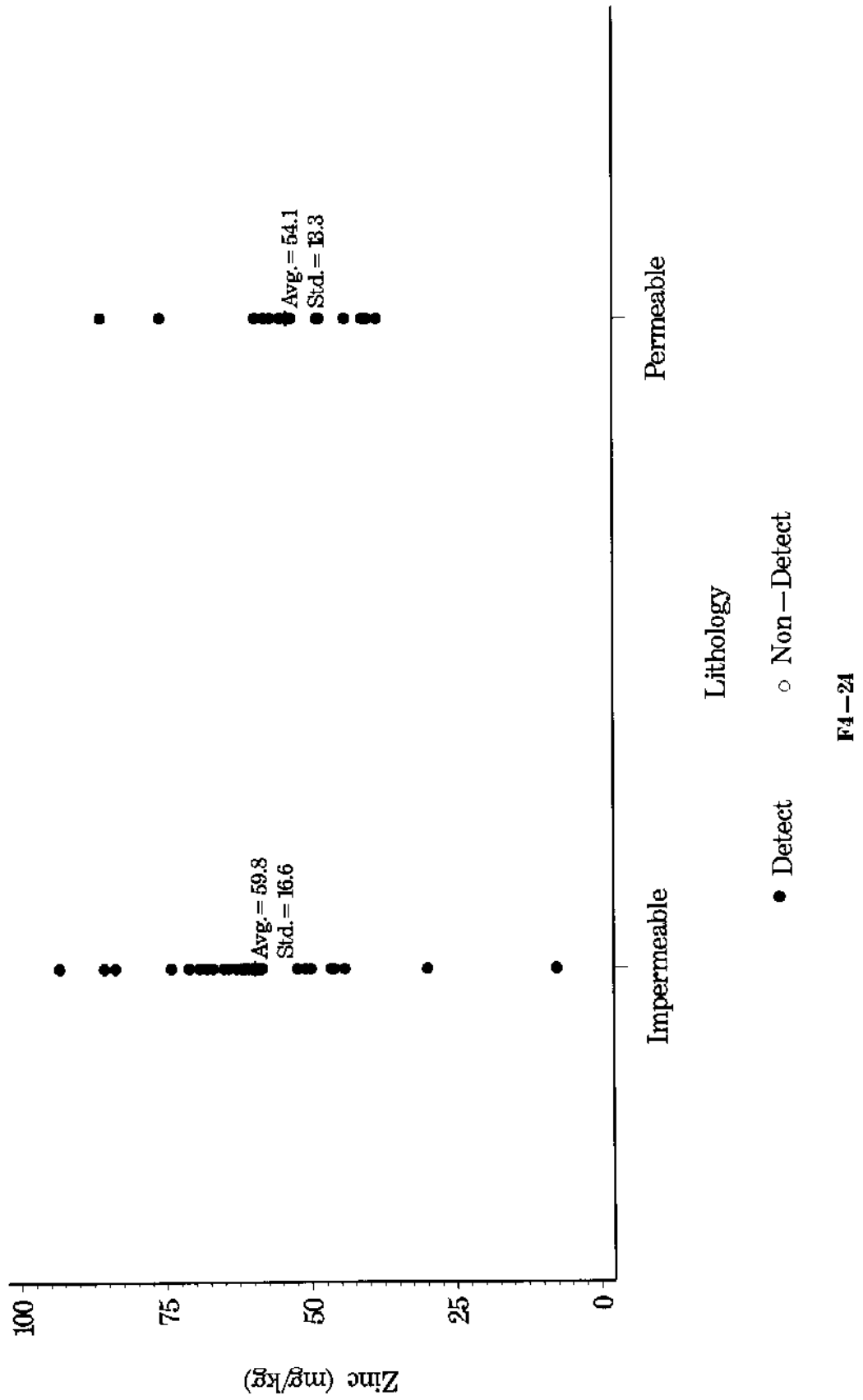
F4-22

Figure F4-23 Vanadium Concentrations in Ravenna Background Soils by Lithology Class



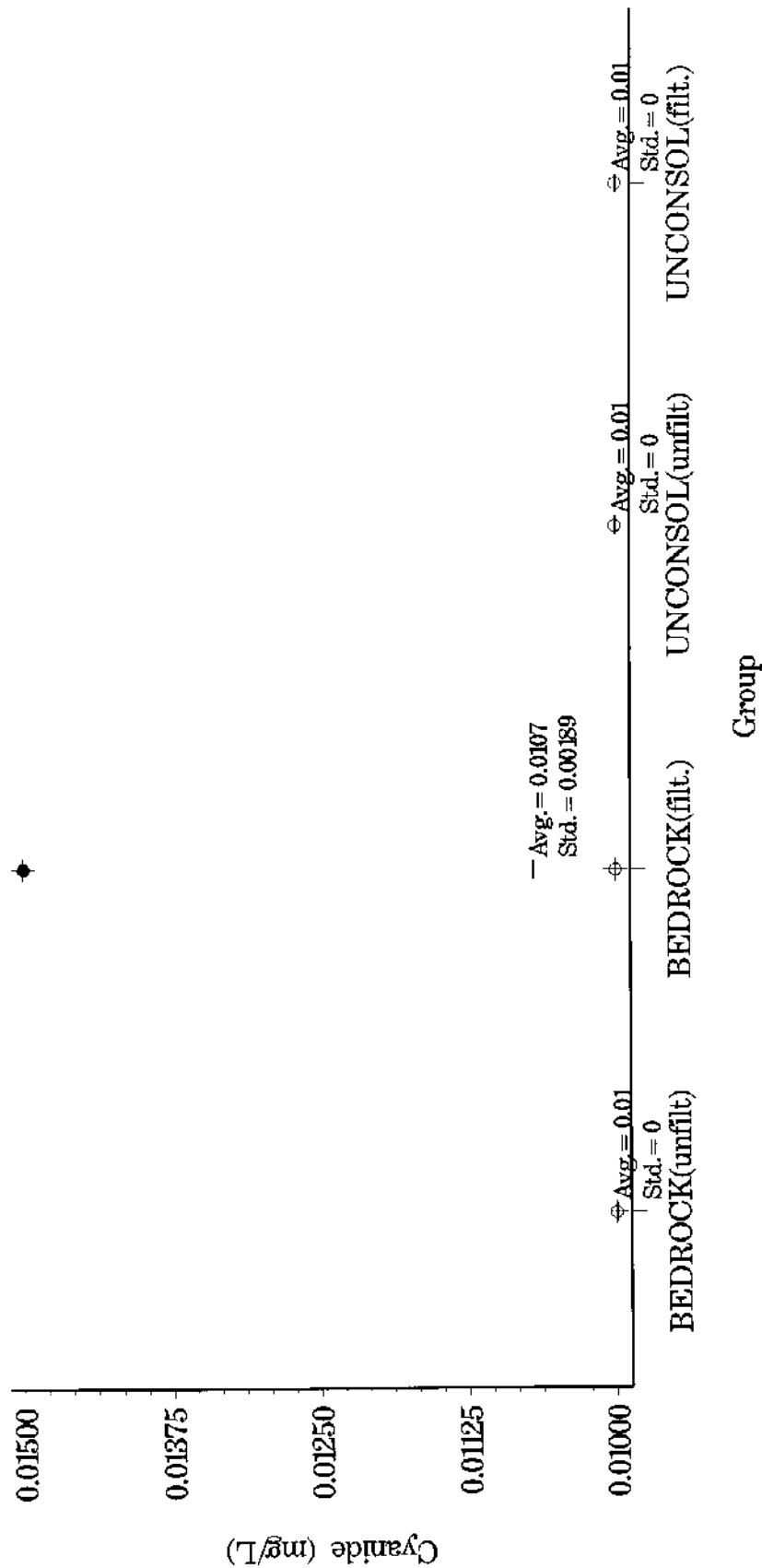
F4-23

Figure F4-24 Zinc Concentrations in Ravenna Background Soils by Lithology Class



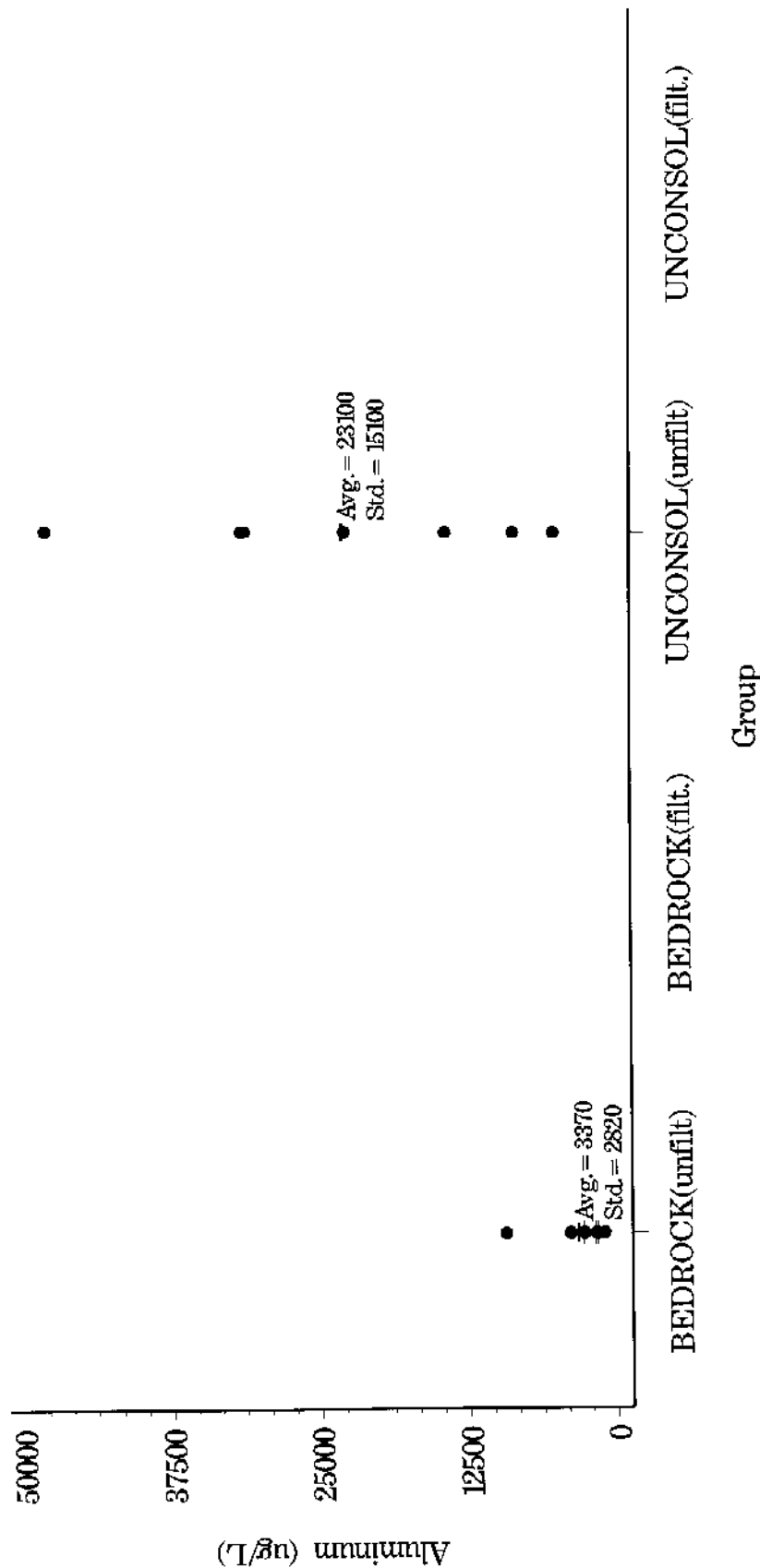
APPENDIX F5

Figure F5-1 Cyanide Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



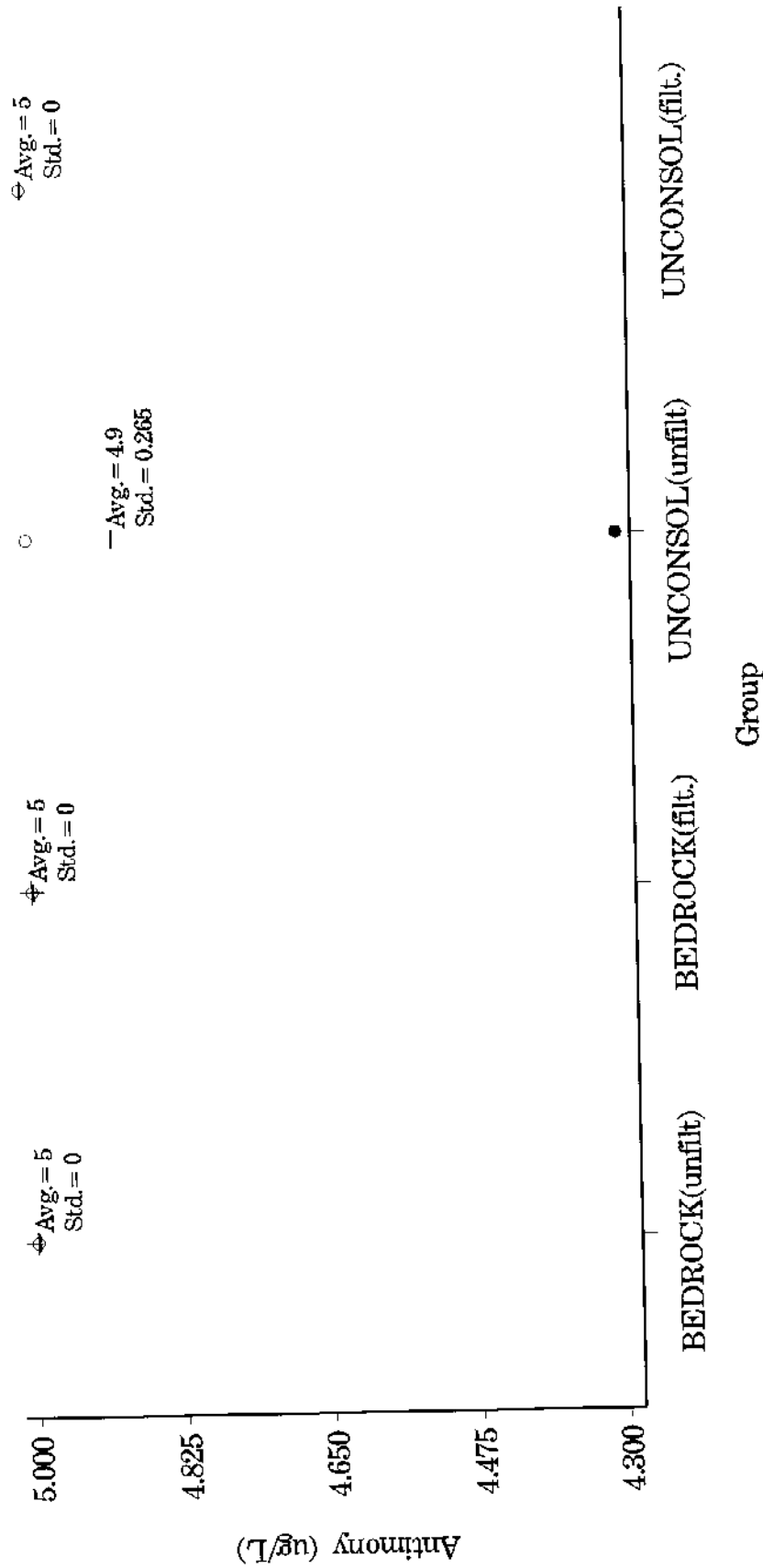
*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5--2 Aluminum Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

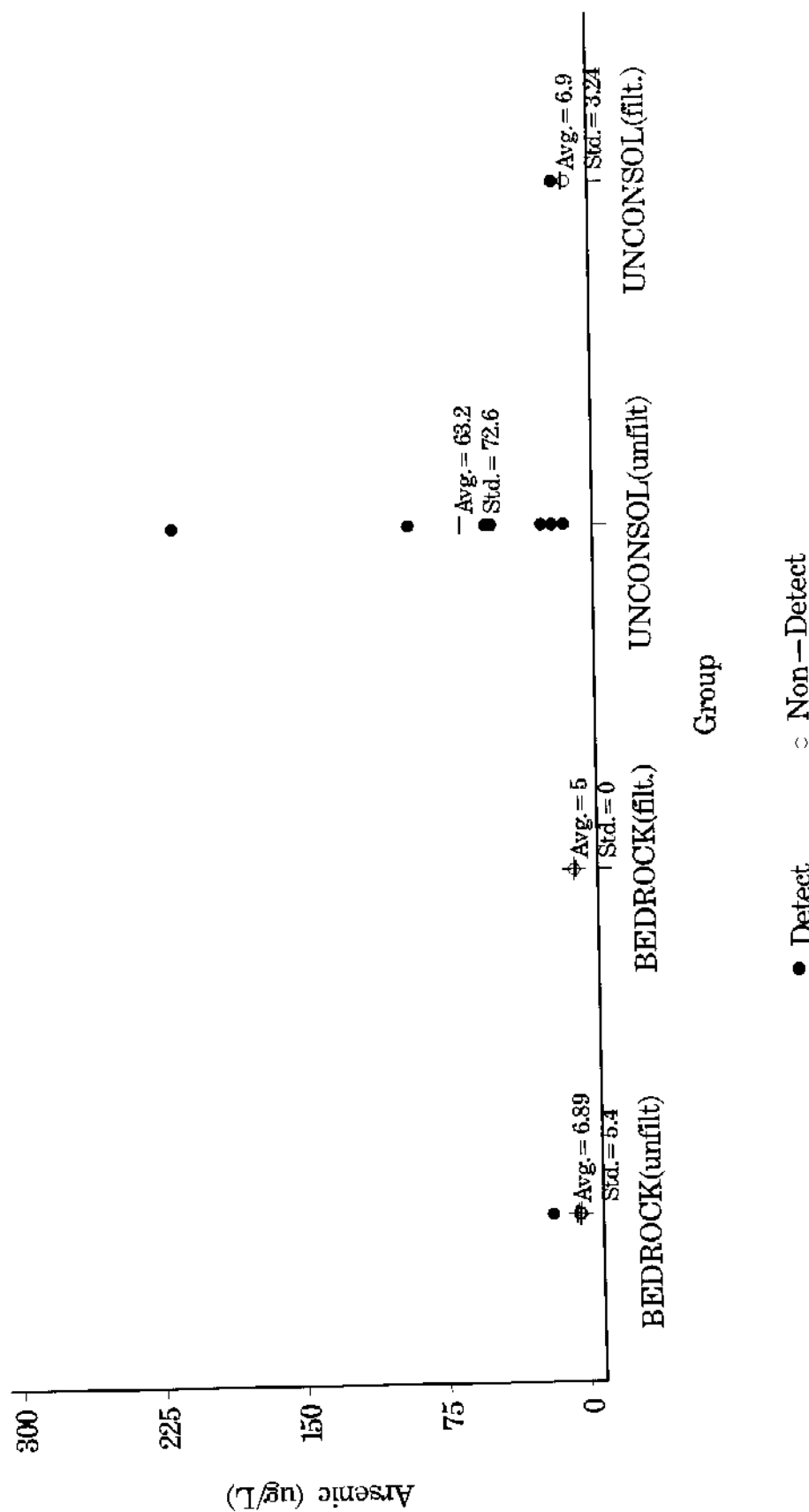
Figure F5-3 Antimony Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



● Detect ○ Non-Detect

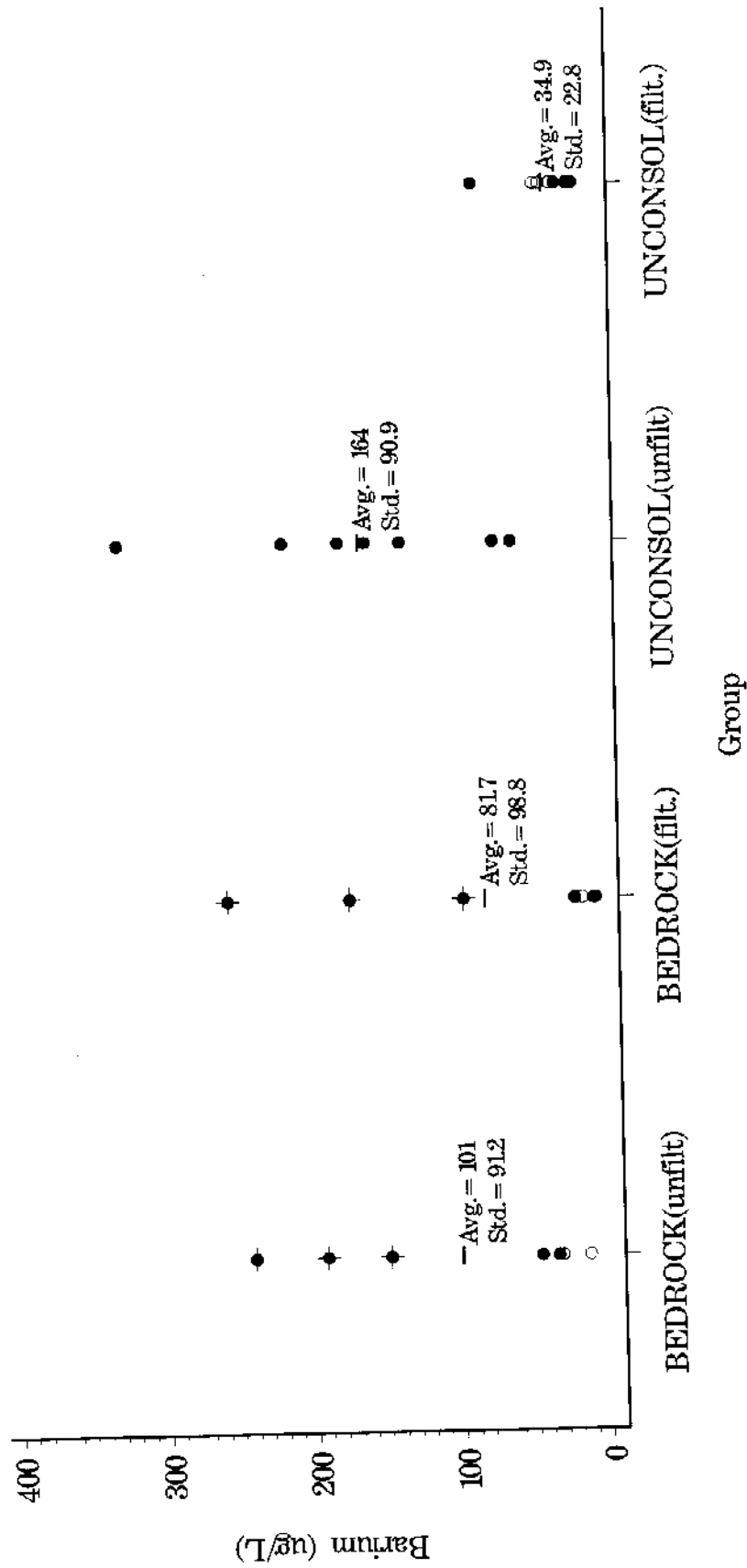
*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5-4 Arsenic Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

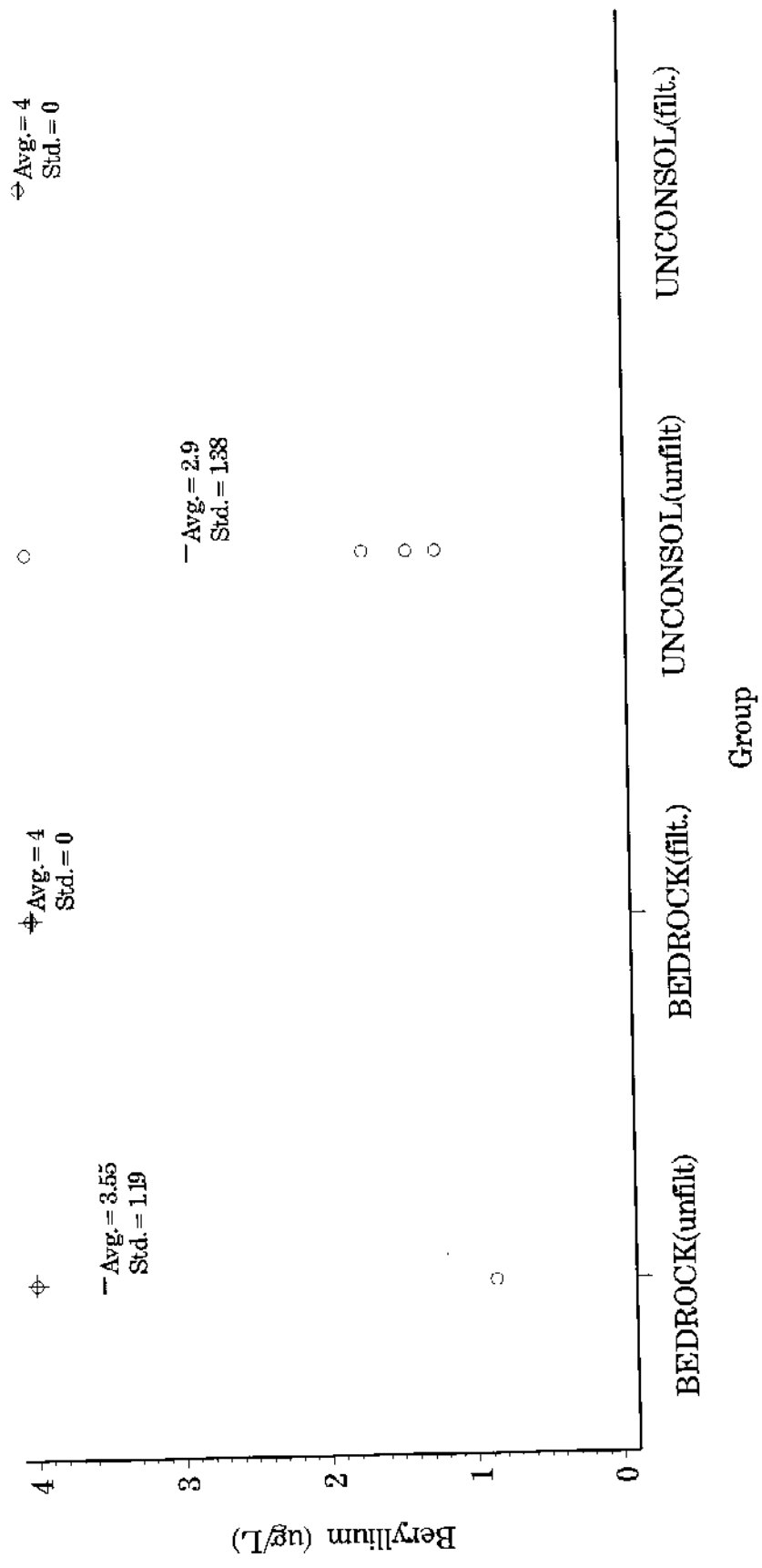
Figure F5-5 Barium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



• Detect ○ Non-Detect
 *Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone.
 Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

F5-5

Figure F5-6 Beryllium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration

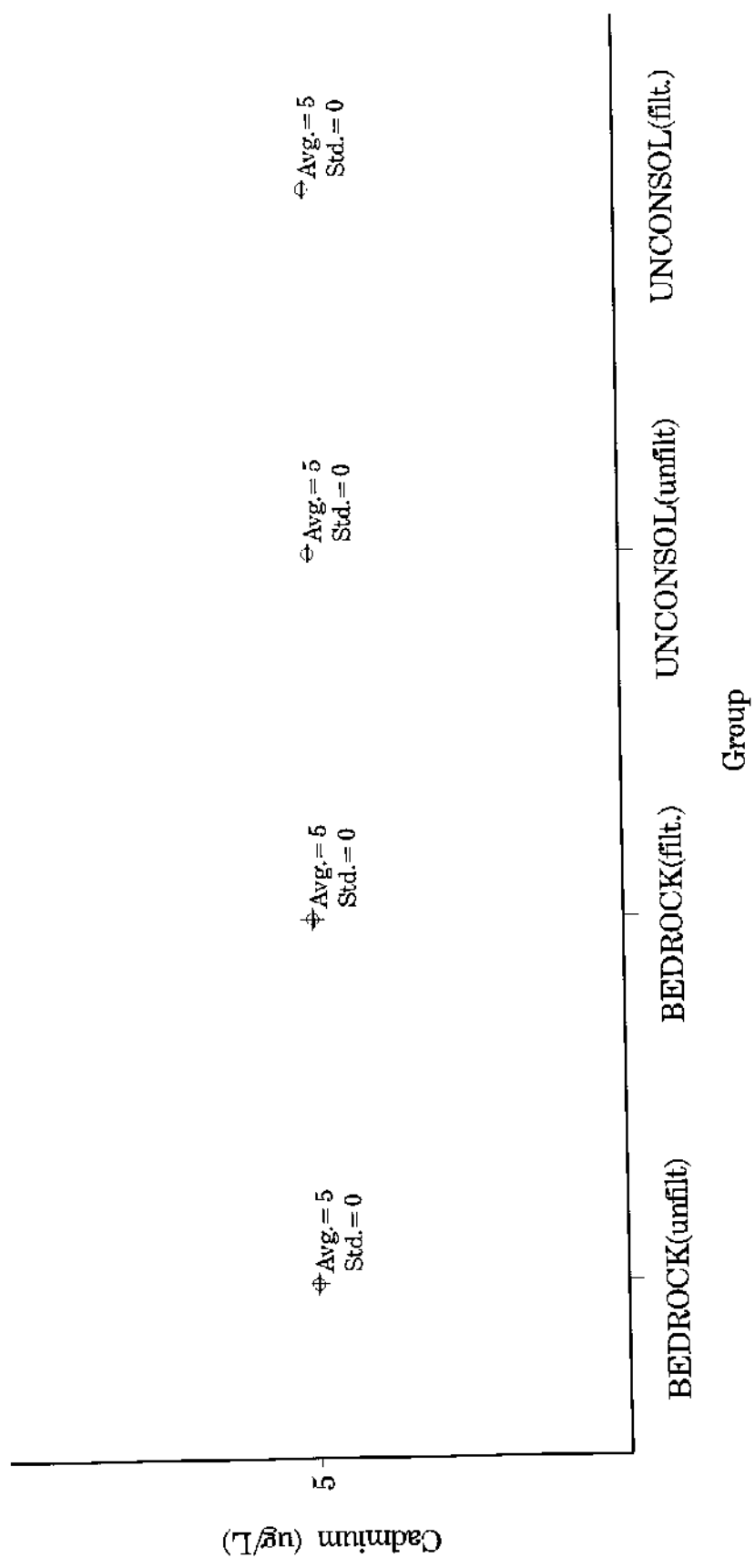


● Detect ○ Non-Detect

*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

F5-6

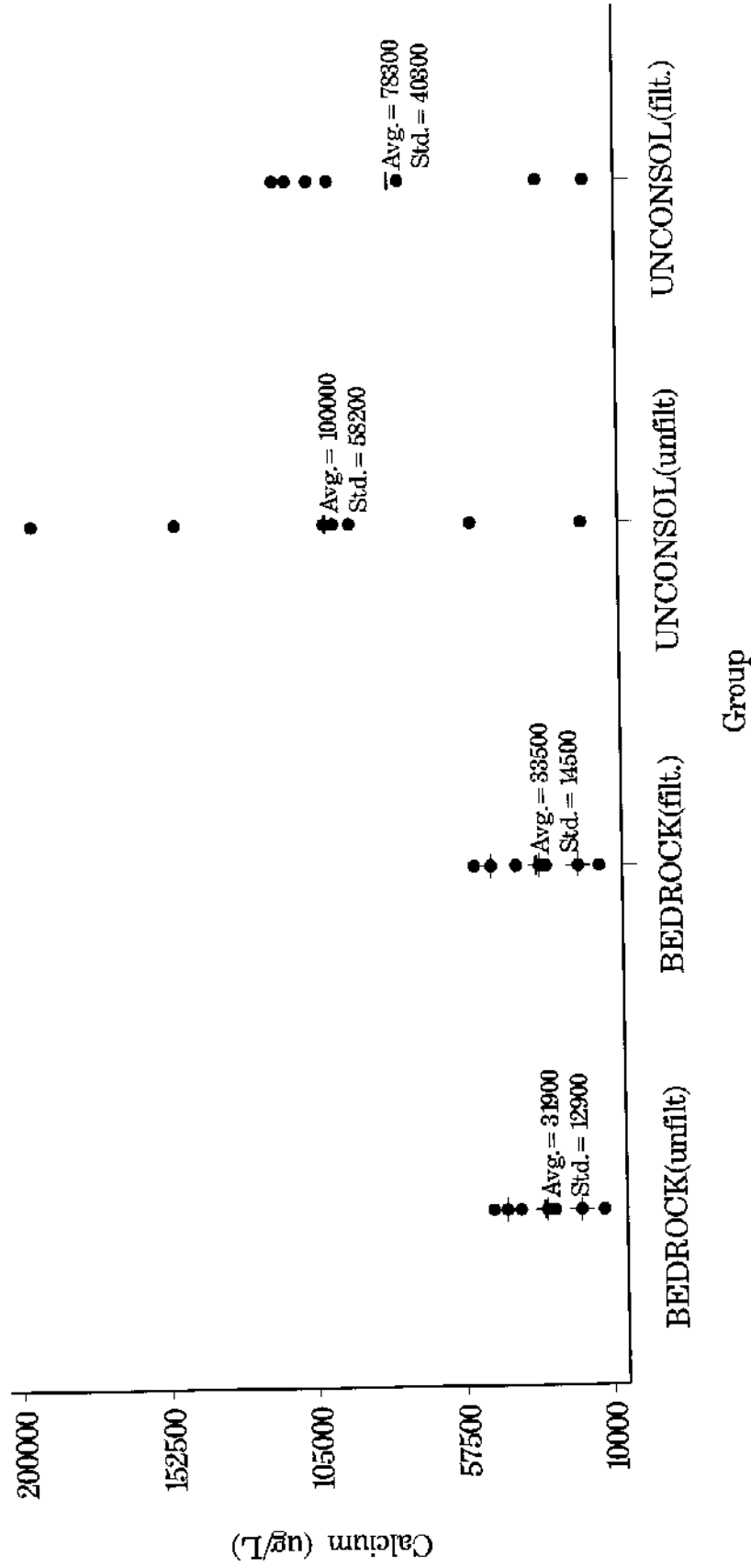
Figure F5-7 Cadmium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

F5-7

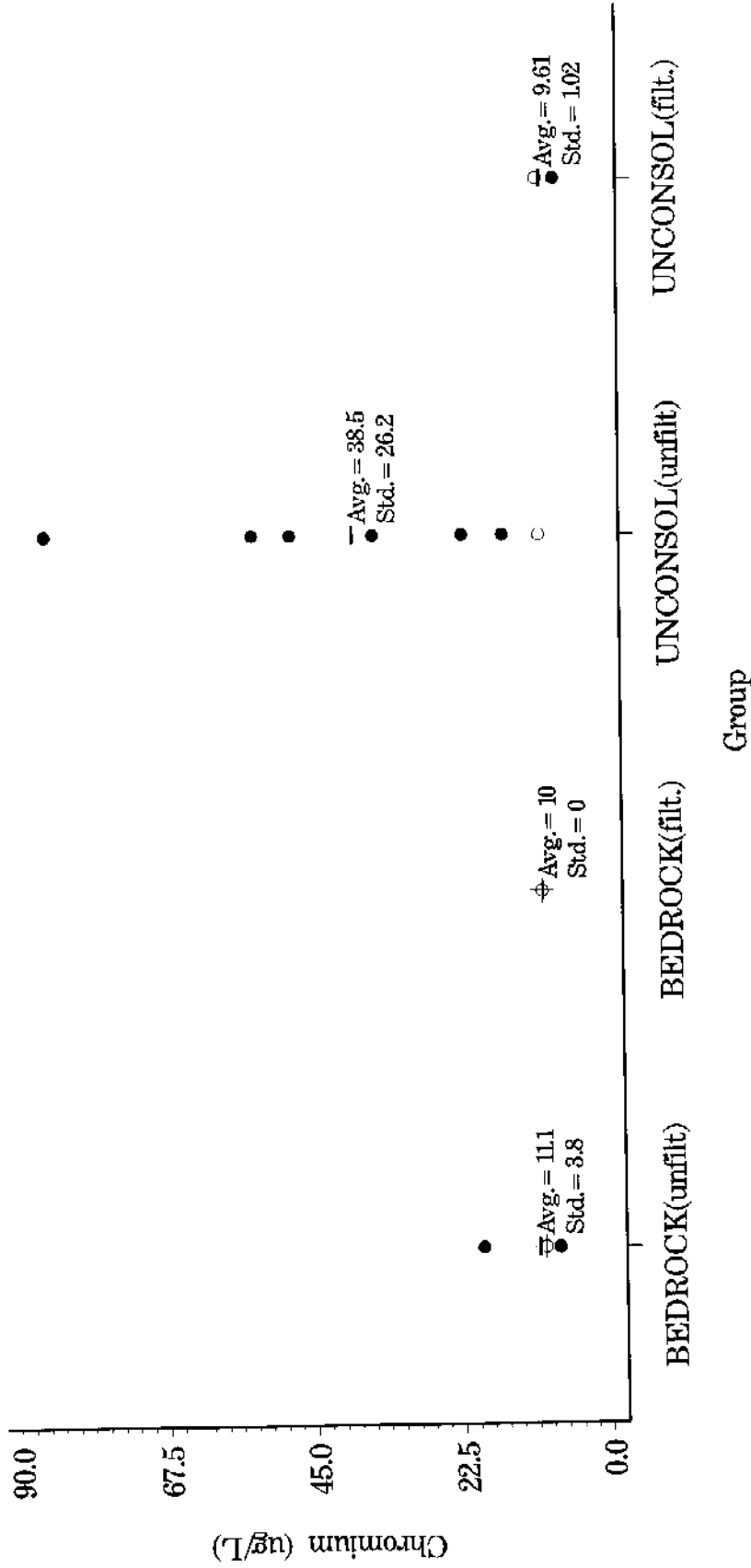
Figure F5-8 Calcium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

F5-8

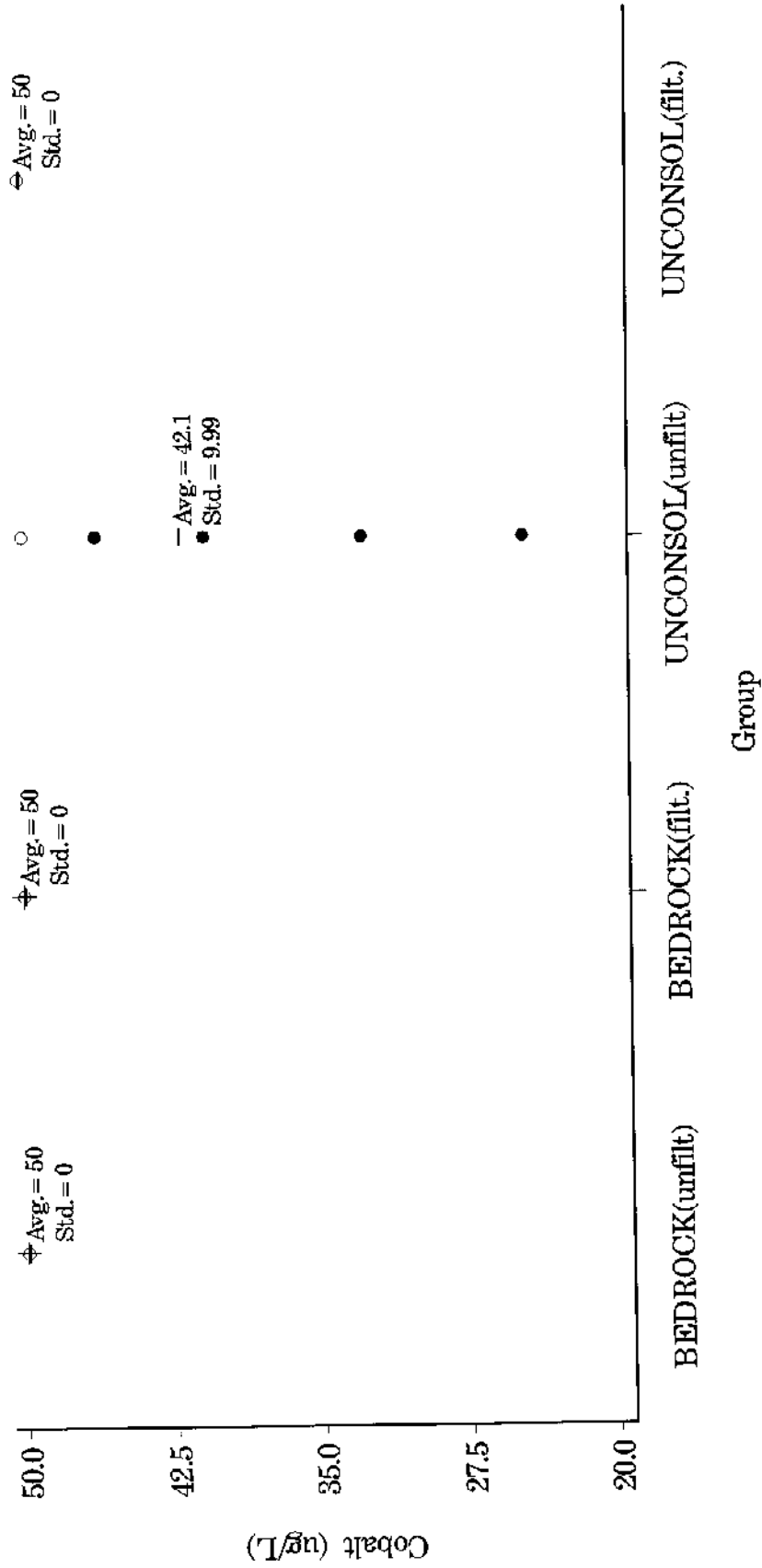
Figure F5-9 Chromium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

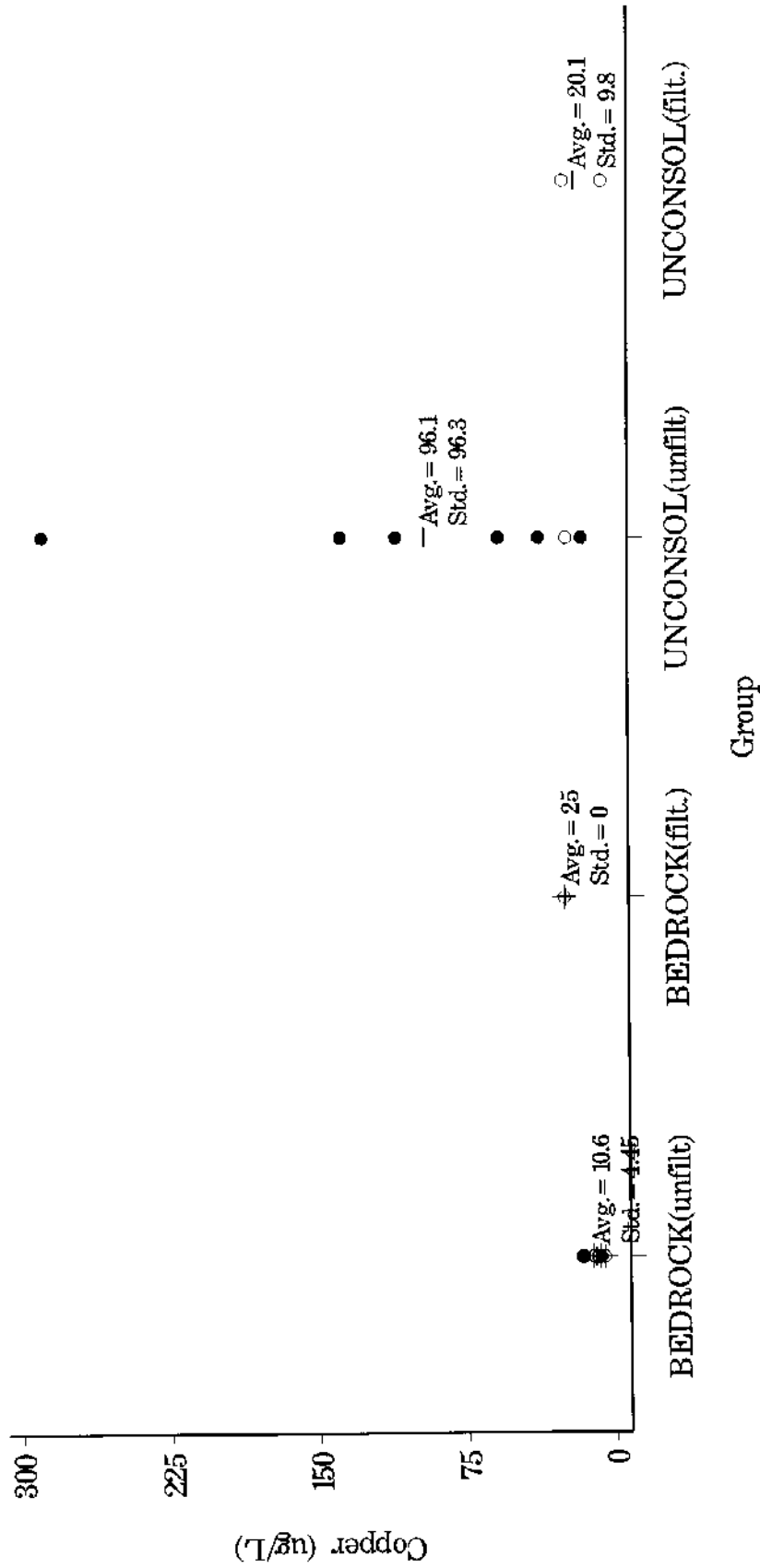
F5-9

Figure F5-10 Cobalt Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5--11 Copper Concentrations in Ravenna Background Groundwater by Lithology* and Filtration

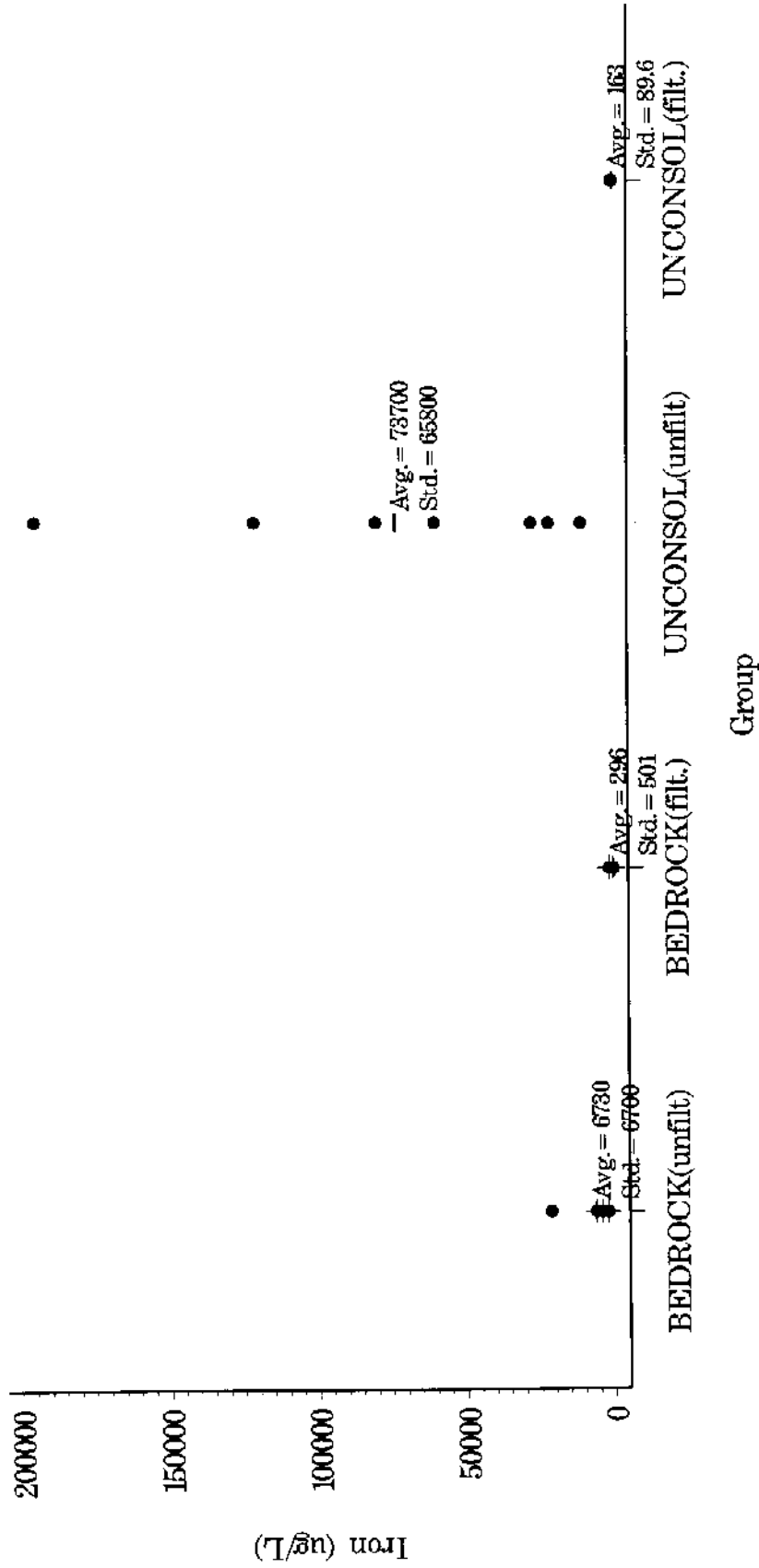


● Detect ○ Non-Detect

*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

F5-11

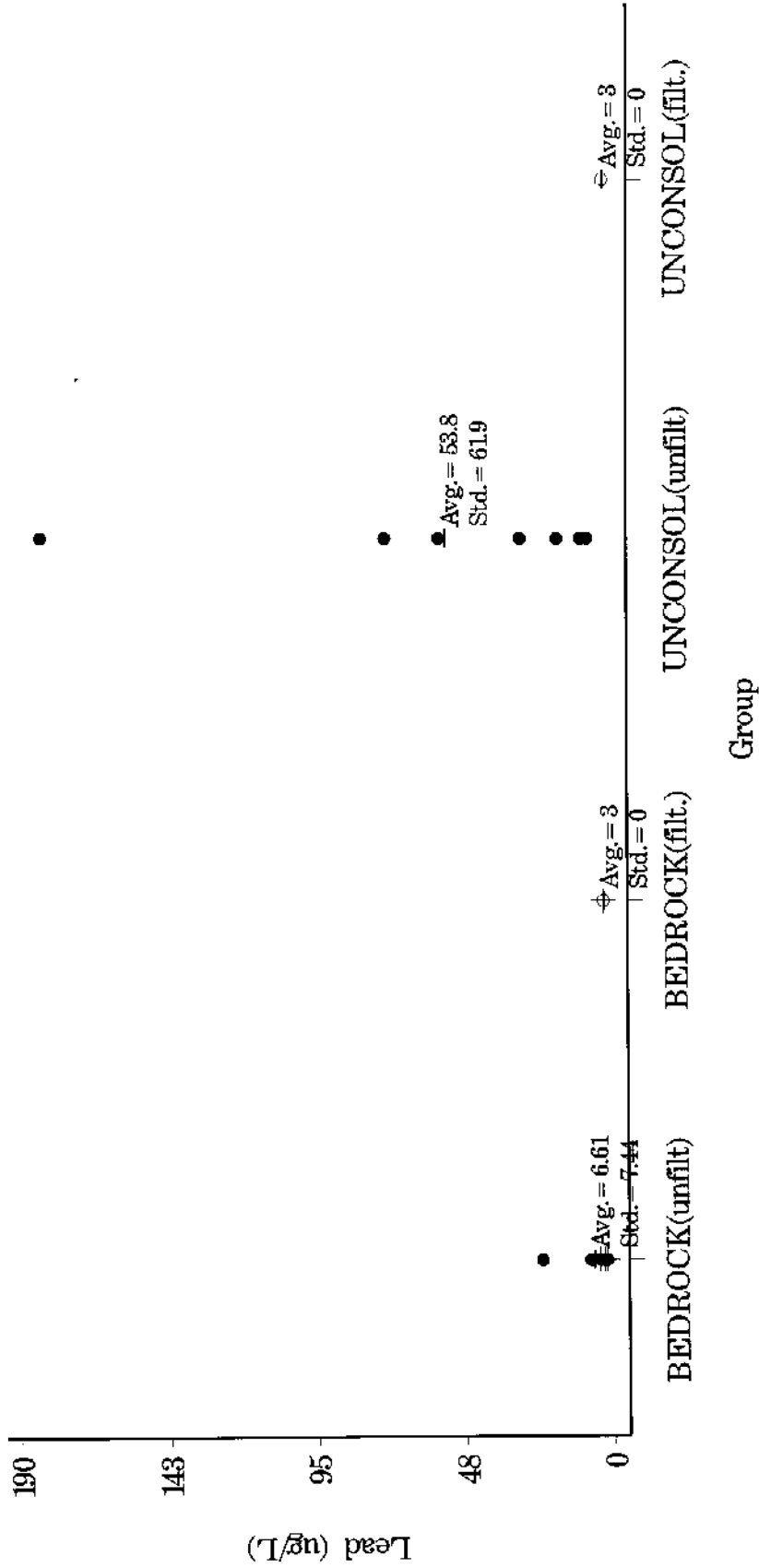
Figure F5-12 Iron Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



● Detect ○ Non-Detect

*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5-13 Lead Concentrations in Ravenna Background Groundwater by Lithology* and Filtration

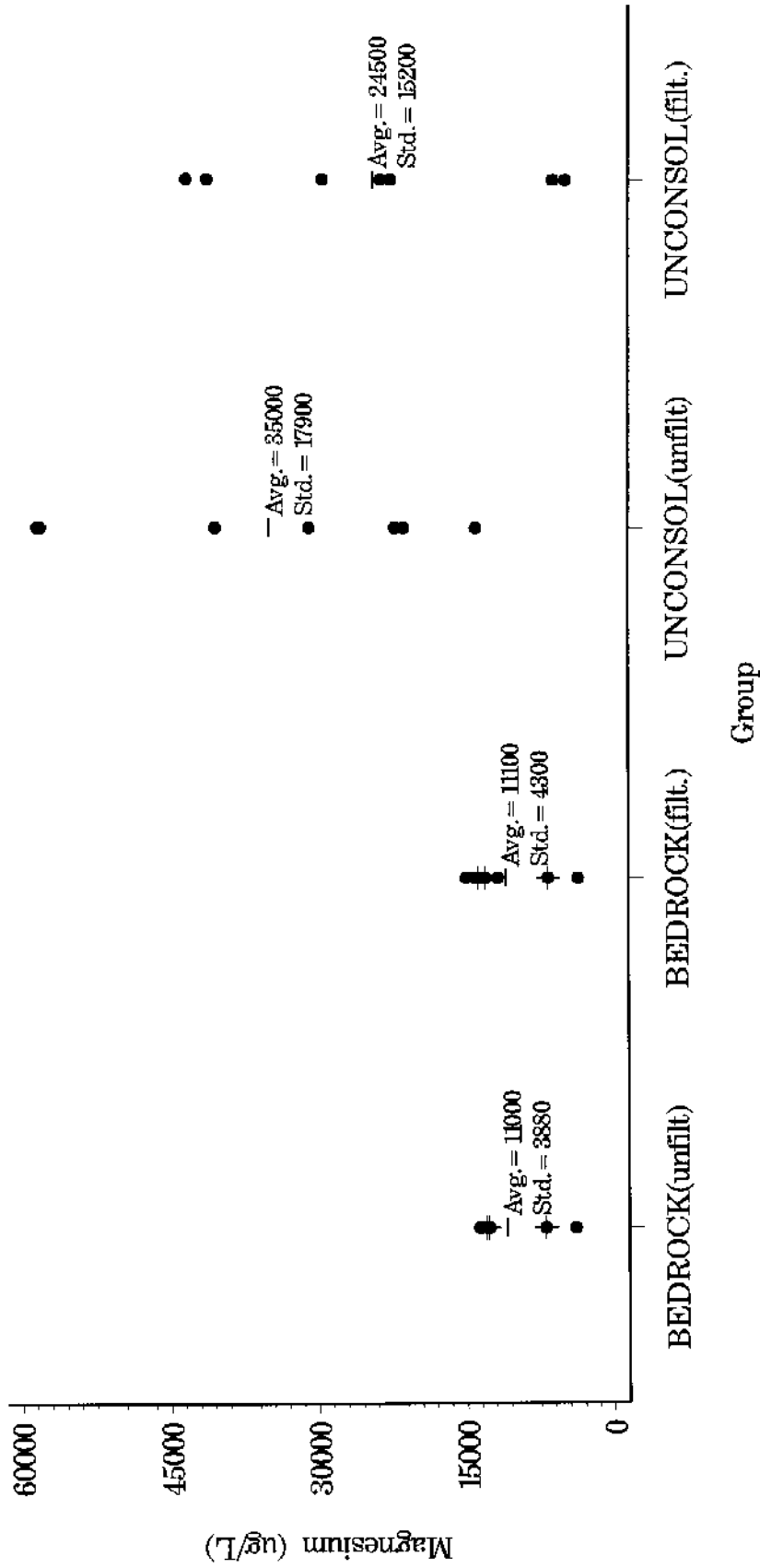


● Detect ○ Non-Detect

*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

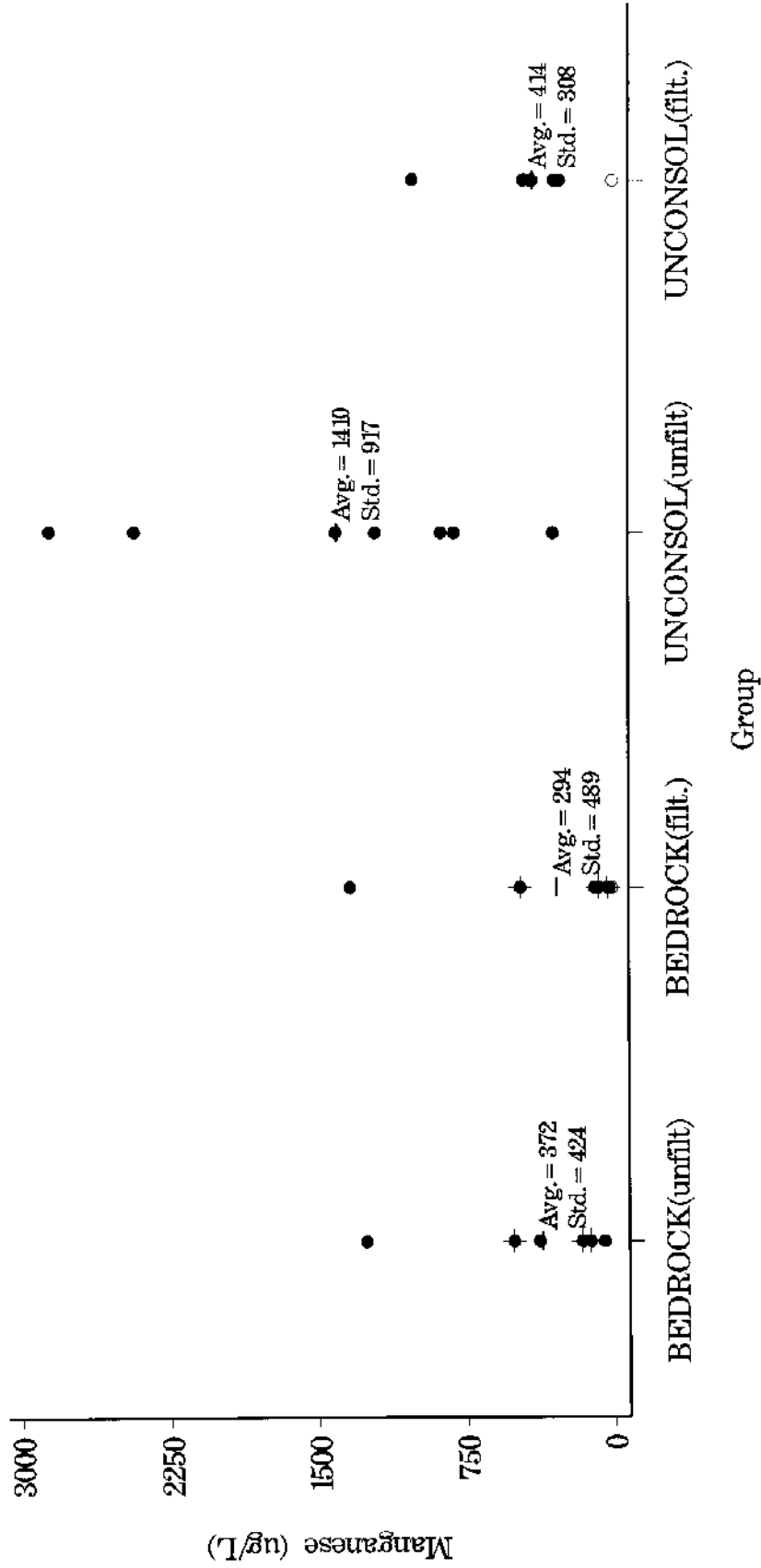
F5-13

Figure F5-14 Magnesium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



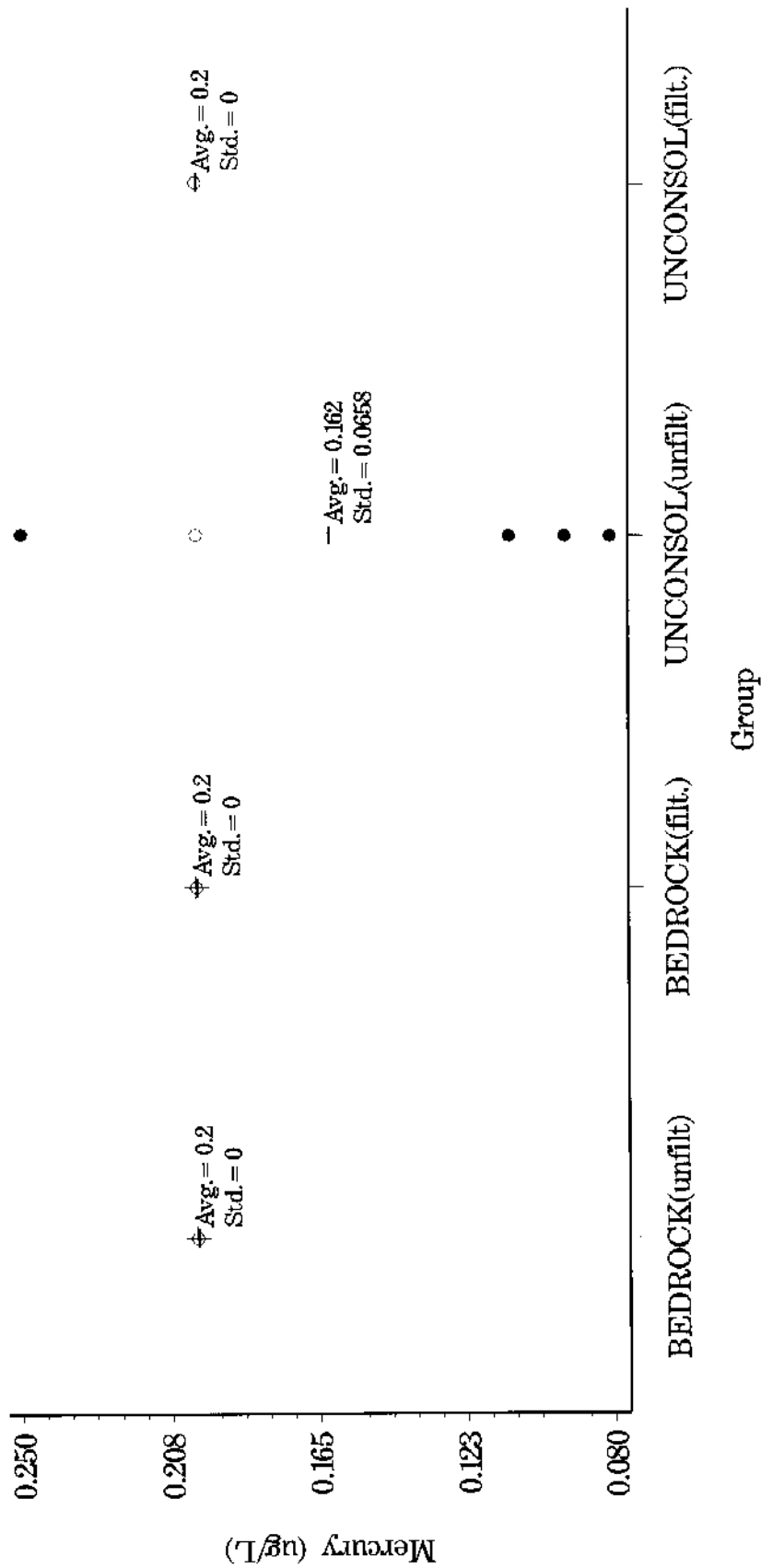
*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5-15 Manganese Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5-16 Mercury Concentrations in Ravenna Background Groundwater by Lithology* and Filtration

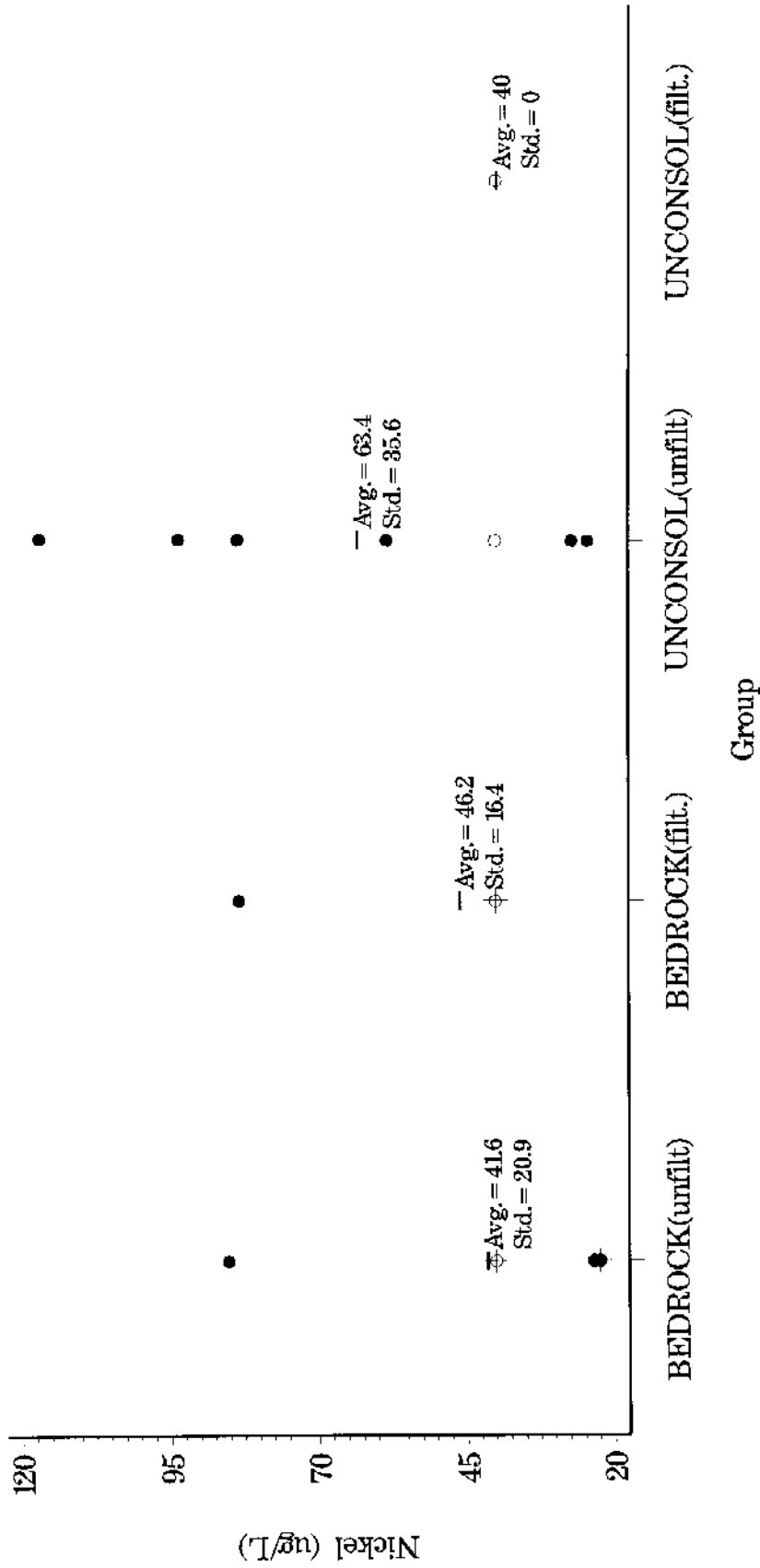


• Detect o Non-Detect

*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

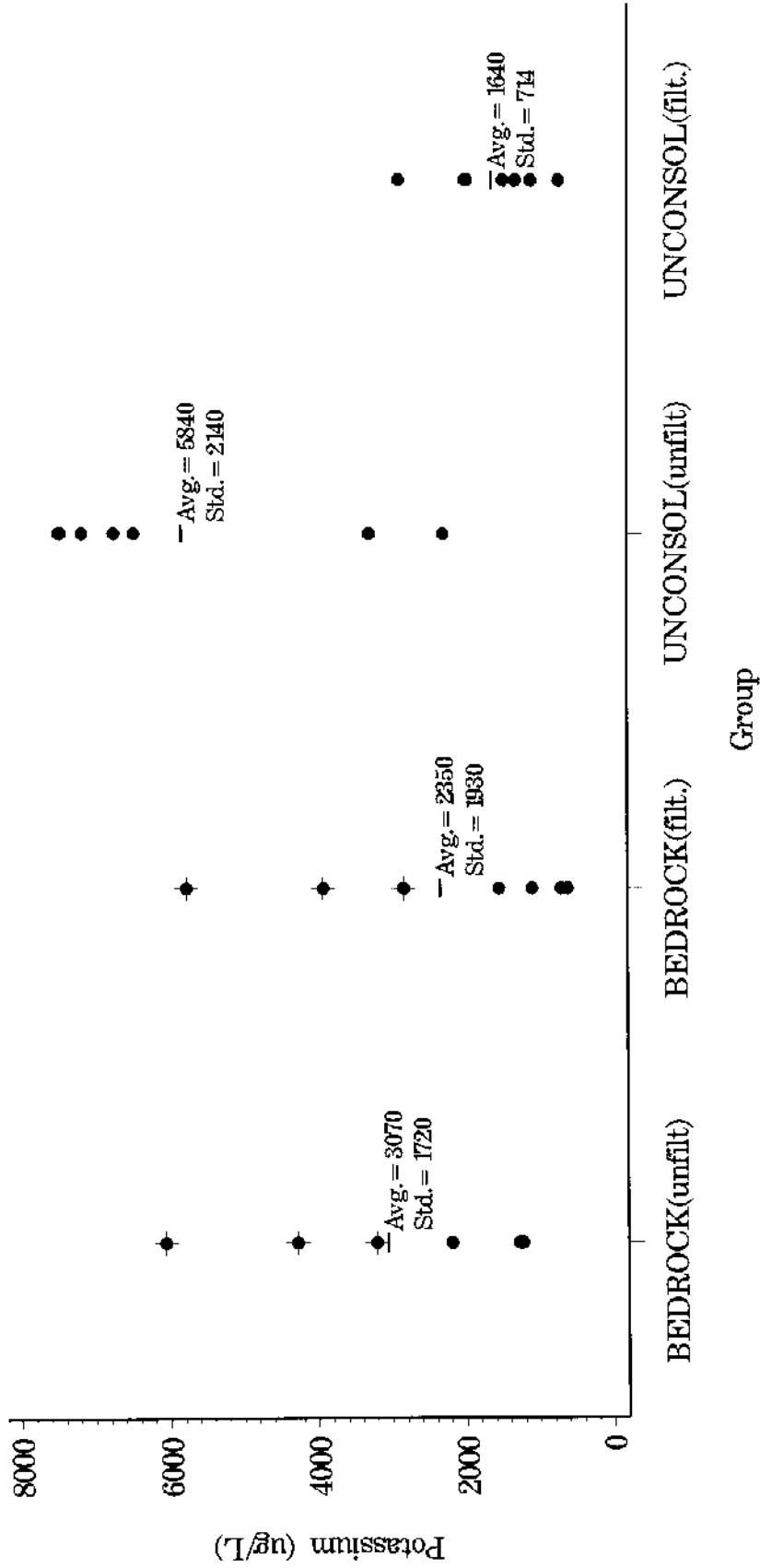
F5-16

Figure F5-17 Nickel Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

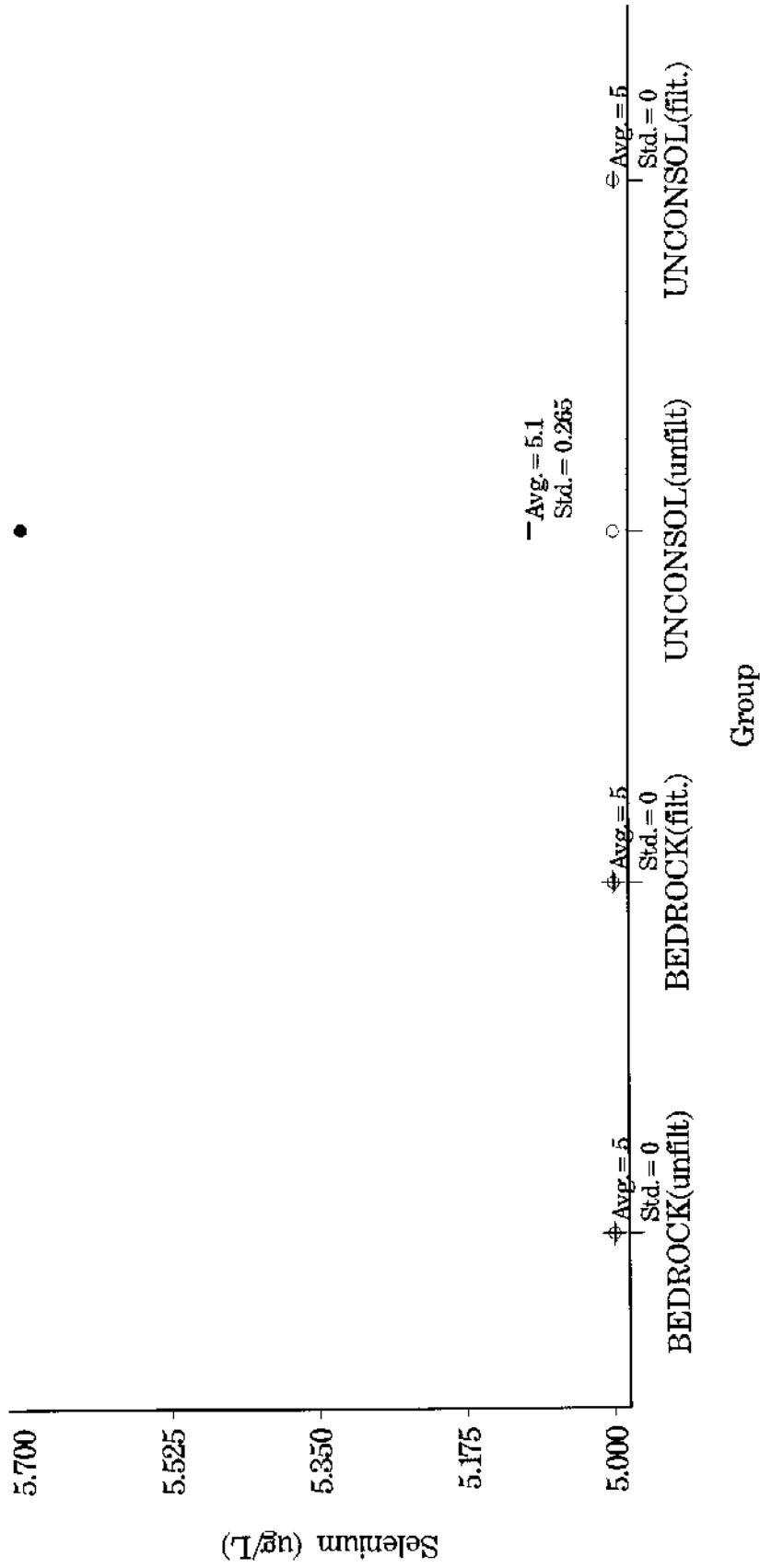
Figure F5-18 Potassium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



• Detect ○ Non-Detect

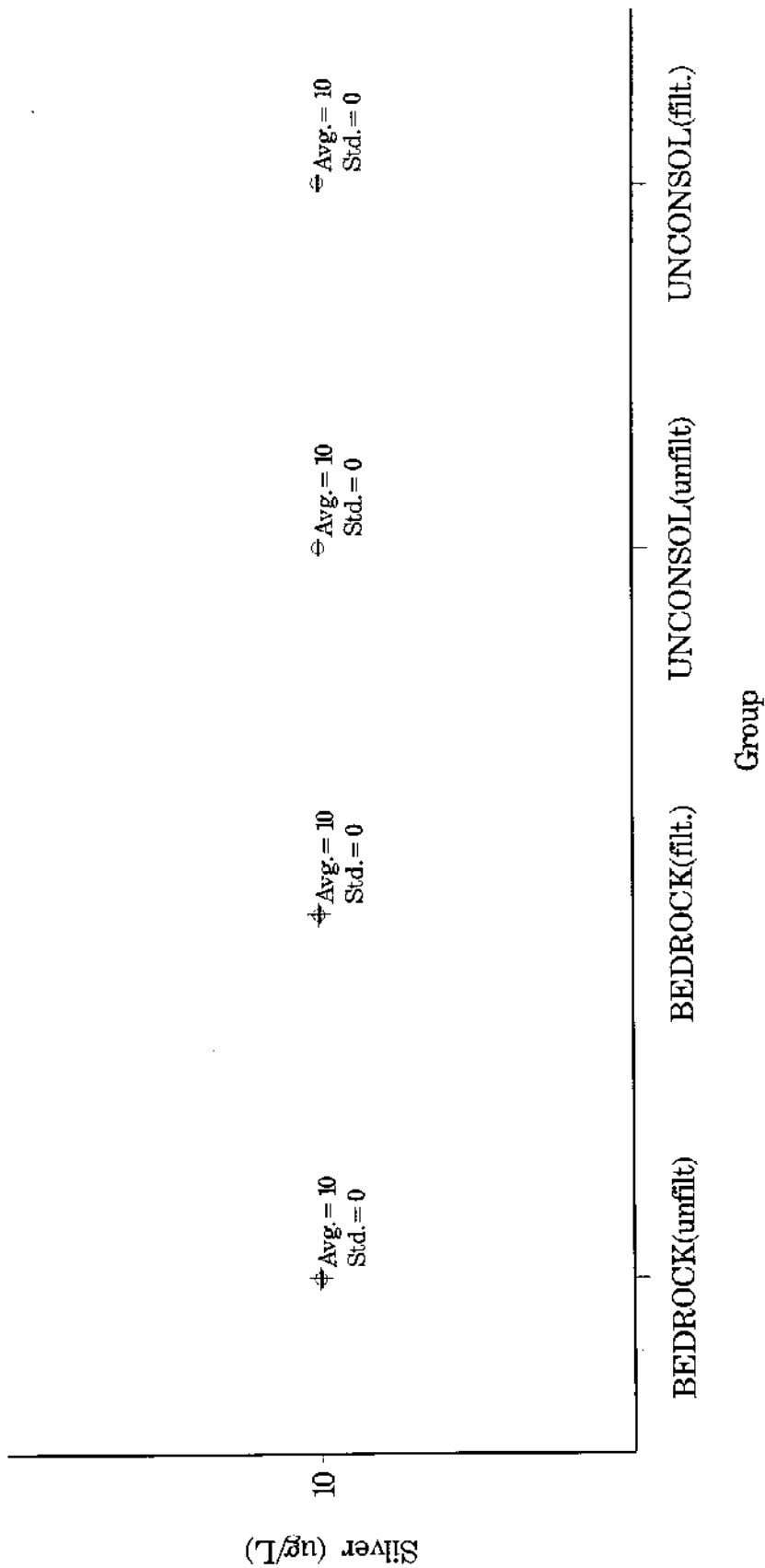
*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5-19 Selenium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5--20 Silver Concentrations in Ravenna Background Groundwater by Lithology* and Filtration

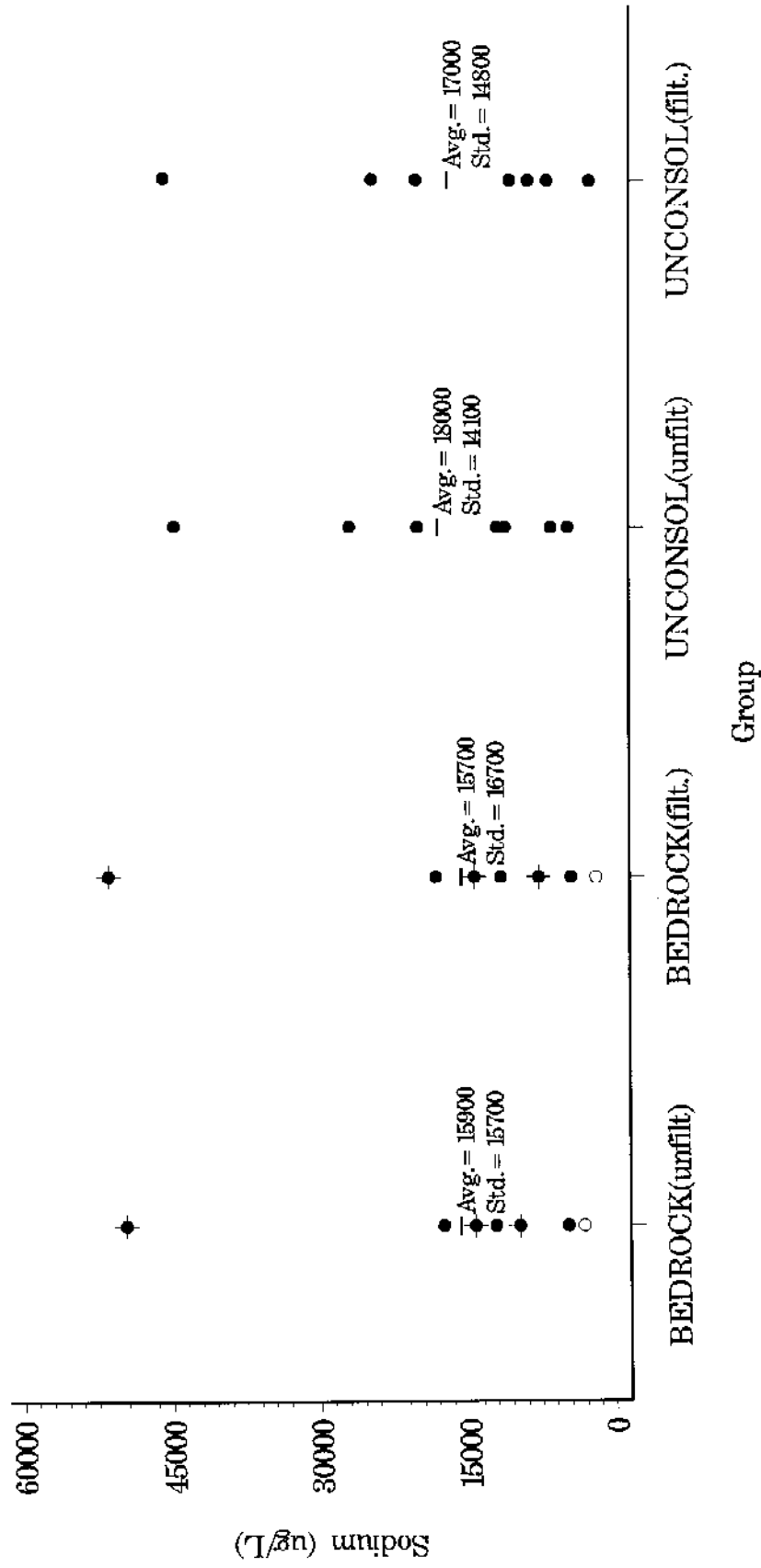


● Detect ○ Non--Detect

*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

F5--20

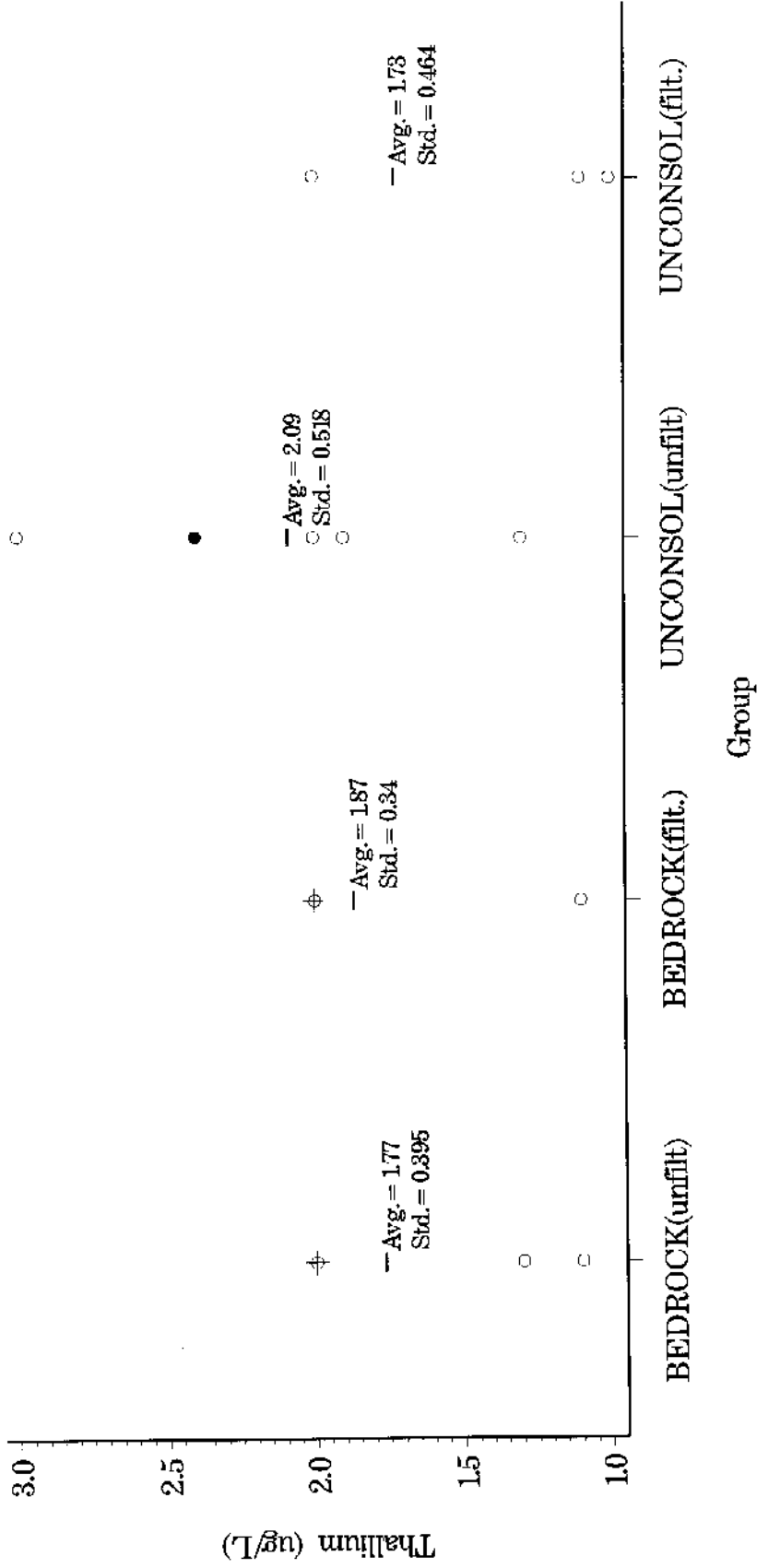
Figure F5-21 Sodium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

F5-21

Figure F5-22 Thallium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration

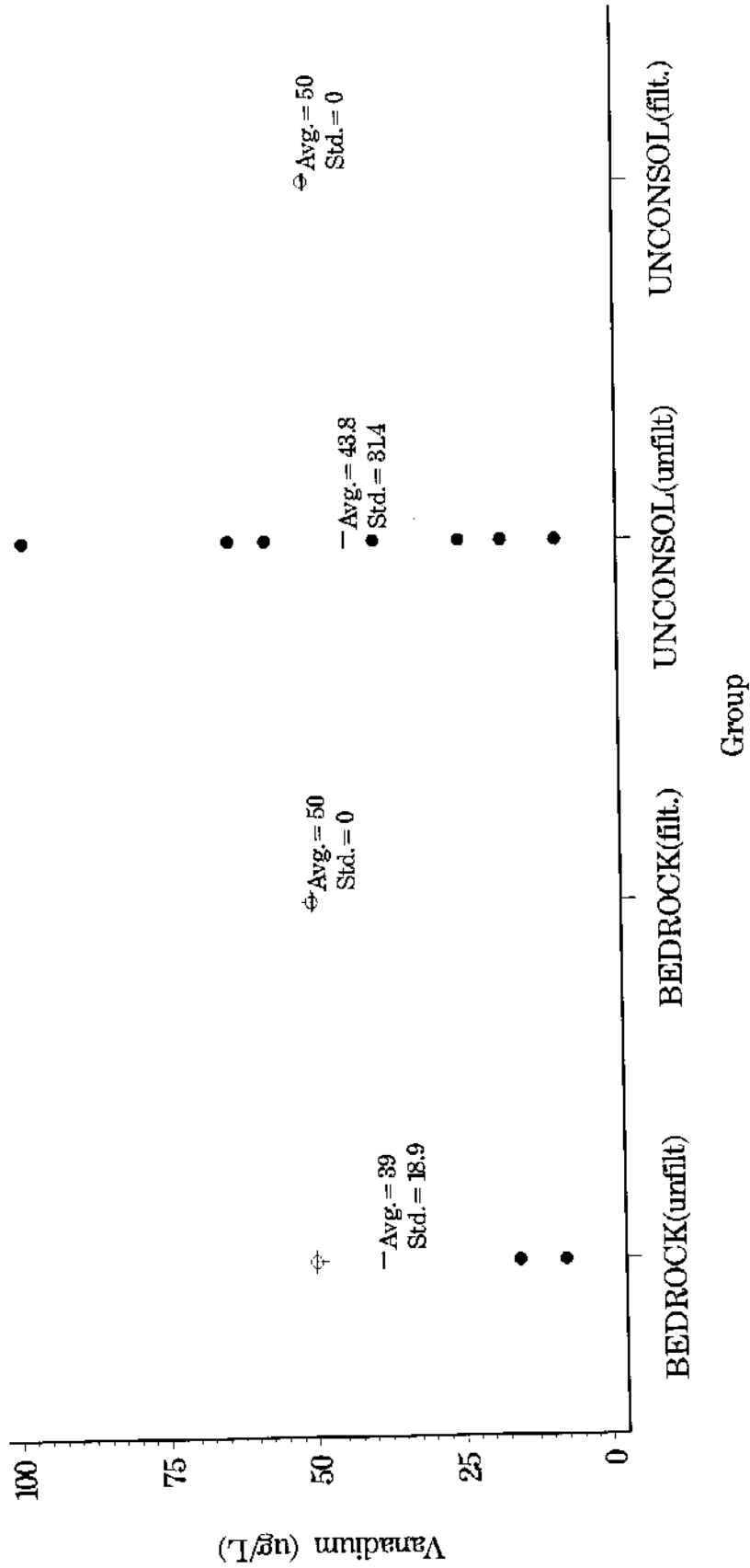


• Detect ○ Non-Detect

*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

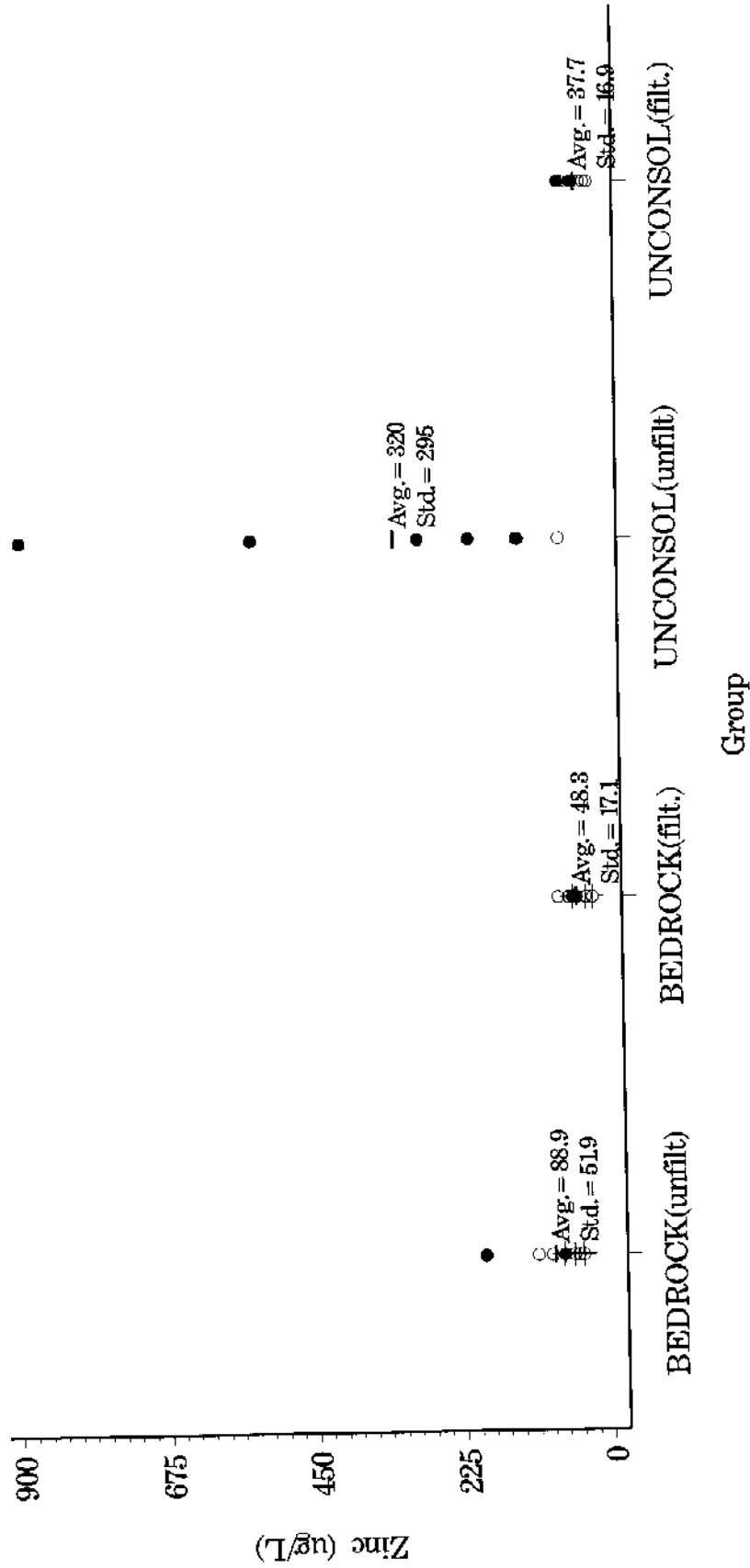
F5-22

Figure F5-23 Vanadium Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

Figure F5-24 Zinc Concentrations in Ravenna Background Groundwater by Lithology* and Filtration



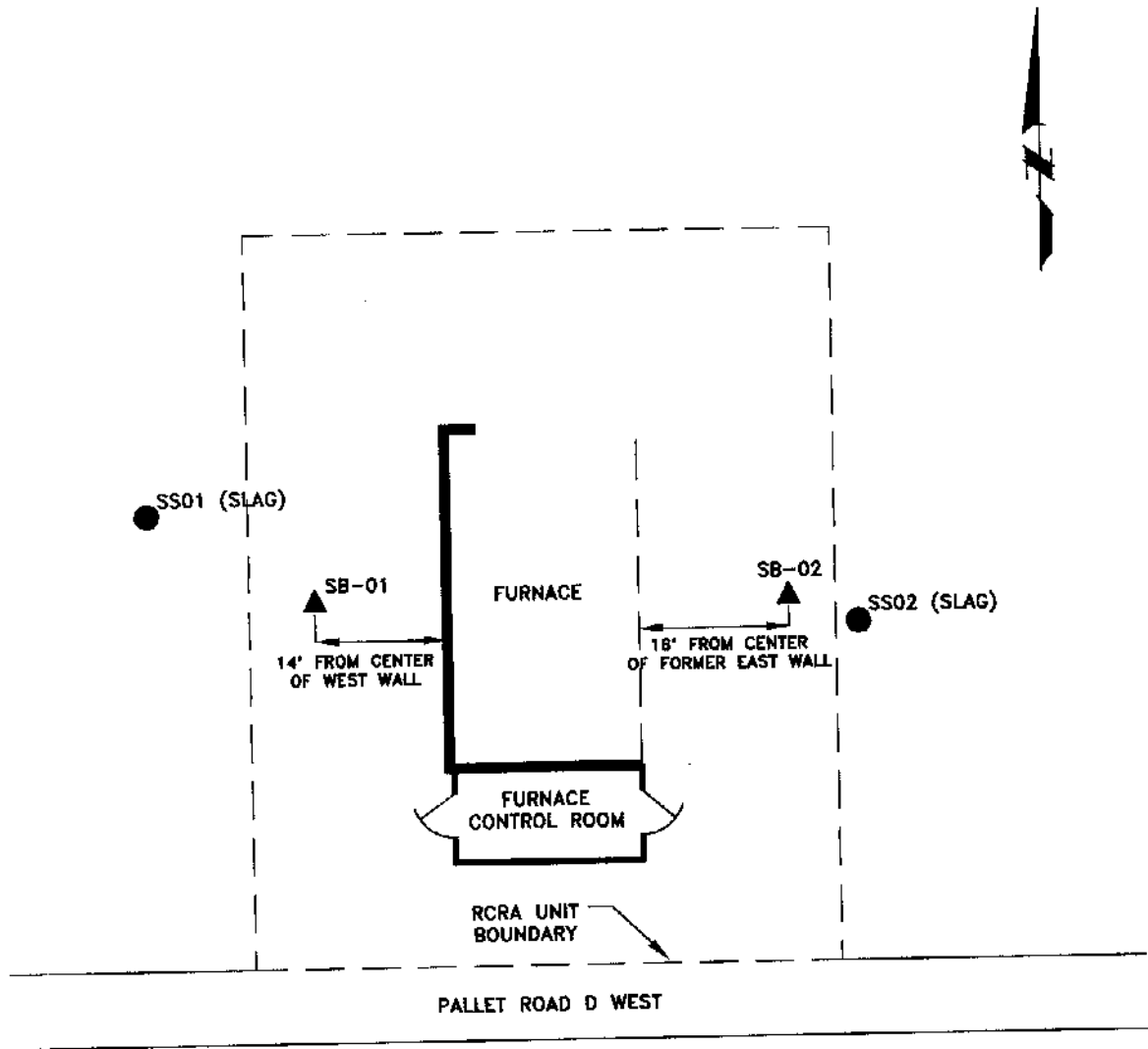
● Detect ○ Non-Detect

*Bedrock results superimposed with a '+' were from wells screened in shale. All other bedrock wells were screened in sandstone. Results labeled 'UNCONSOL' are from wells screened in unconsolidated glacial till.

F5-24

**DEACTIVATION
FURNACE
AREA**

NAME: S:\RAVENNA\DFURNACE.DWG DATE: FEB 19, 1998 TIME: 7:45 AM PCP: NONE



▲ SOIL BORING



US Army Corps of Engineers

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
LOUISVILLE, KENTUCKY

RAVENNA ARMY AMMUNITION PLANT
RAVENNA, OHIO
FIGURE 3. SOIL BORING LOCATIONS
AT THE DEACTIVATION FURNACE AREA

DRAWN BY:
RTB

REV. NO./DATE:

CAD FILE:

HRW DRILLING LOG

SB-1

32

PROJECT RVAAP RCRA INVESTIGATIONS INSPECTOR K. DOMINIC SHEET 11/2/97

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	FIELD SCREENING RESULTS (D)	GEOTECH SAMPLE OR CORE BOX NO. (E)	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	1.0	topsoil, silt to clayey silt, brown, ML	φ.φ	DF1153	DF1153 1422	
	2.0	silt to clayey silt, ML	φ.φ	DF1154	DF1154 1426	
	3.0					
	4.0					
	5.0		φ.φ	DF1155	DF1155 1430	
	6.0	CL, sandy, silty, stiff yellowish-brown, moist	φ.φ	DF1156	DF1156 1435	
	7.0					
	8.0	COARSE SAND, well sorted, stringer of pea-sized gravel SP-SM	φ.φ	DF1157	DF1157 1442	
	9.0	sand only, 2" clay stringer SM silty sand.		Geotech		
	10.0					
	11.0	SM, silty sand		DF1261 1451		
	12.0	same, wet		Geotech		
	13.0	well sorted sand, wet		DF1262 1501		
	14.0					
	15.0	SM, saturated sand, w/minor silt component		DF1263 1505		
	16.0	TD = 16.0 w/sampling				
	17.0					
	18.0					
	19.0					
	20.0					

Rods pushed to TD = 43' without refusal. Boring terminated @ 1541

PROJECT

F-360

HOLE NO

DFA SB01

HRW DRILLING LOG

SB-2

34

PROJECT **RVAAP** INSPECTOR **Paul Parrish** SHEET **1123/97**

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	FIELD SCREENING RESULTS (D)	GEOTECH SAMPLE OR CORE BOX NO. (E)	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	1.0	2.5 S _{1/2} light Olive Brown Clay, Dense, Dry, Non-plastic, Trace Silt, Trace Fine Sand	Φppm	DF1158	DF1158 0905	
	2.0	2.5 S _{1/4} light Olive Brown Clay, Some Silt, Trace Fine Sand, Dry, Medium Stiff, Loose, Non-plastic	Φppm	DF1159	DF1159 0905	
	3.0					
	4.0					
	5.0	Same As Above except Dense 6-T.O., SW	Φppm	DF1160	DF1160 0923	
	6.0					
	7.0	10YR2/4 Dark Yellowish-Brown Fine to Medium Sand; Moist; Loose; Trace Clay, Subangular to subrounded grains. SW-SM	Φppm	DF1161	DF1161 0926	
	8.0					
	9.0					
	10.0	10YR2/4 Dark Yellowish-Brown Gravel; Some Very Coarse Sand, Trace Clay; Wet; Loose; Gravel to 40mm; Angular SW-SM				
	11.0					
	12.0	Bottom of Boring Empty at 10'				
	13.0					
	17.0					
	15.0					
	16.0					
	17.0					
	18.0	Bottom of Boring C 43' bgs.				
	19.0	Hammered last 6'				
	20.0					

PROJECT **RVAAP**

F-361

HOLE NO **DFA SB02**

Client: SAIC
 CTL Project No.: 97050931
 Date: December 19, 1997

**Soil Description & Moisture Content
 Army Ammunition Plant
 Ravenna, Ohio**

Sample I.D.	Description	Moisture Content (%)
CS1272	Brown SILTY FINE TO COARSE SAND	12.8
CS1273	Brown FINE SAND, Traces of Fine to Coarse Gravel	15.7
CS1274	Brown SANDY SILT	21.3
CS1275	Brown Lean CLAY with Sand [CL]	20.2
CS1276	Brown and Gray SANDY SILTY CLAY [CL-ML]	23.5
CS1277	Brown SANDY SILT	18.2
CS1278	Brown SILTY FINE TO MEDIUM SAND	13.5
DF1151	Brown SILTY FINE TO COARSE SAND AND GRAVEL	17.9
DF1152	Dark Brown SILT with Roots	18.8
DF1153	Brown SANDY SILT	15.8
DF1154	Brown SANDY SILT	14.2
DF1155	Brown SANDY SILT	15.9
DF1156	Brown SILTY FINE TO COARSE SAND AND GRAVEL	18.4
DF1157	Brown SILTY SAND [SM]	19.2
DF1158	Brown SANDY SILT with Roots	16.9
DF1159	Brown SANDY SILT with Roots	14.9
DF1160	Brown SANDY SILT with Roots	14.6
DF1161, 6'-8'	Brown SILTY FINE SAND with Silt Seams	10.9

Client: SAIC
 CTL Project No.: 97050931
 Date: December 19, 1997

**Soil Description & Moisture Content
 Army Ammunition Plant
 Ravenna, Ohio**

Sample I.D.	Description	Moisture Content (%)
DF1162, 8'-10'	Brown SILTY FINE TO COARSE SAND AND GRAVEL	11.2
DF1261, 10'-12'	Brown SILTY SAND, [SM]	14.2
DF1262, 12'-14'	Brown FINE SAND	22.3
DF1263	Brown SILTY SAND [SM]	19.7
OD1001	Grayish Brown SILTY SAND AND GRAVEL	8.4
OD1002	Brown SILT, Traces of Clay	22.0
OD1003	Brown and Gray SILTY CLAY	24.4
OD1004	Brown and Gray SILTY SAND AND GRAVEL	12.1
OD1005	Brown and Gray SANDY SILT with Gravel	17.5
OD1006	Brown and Gray SILT with Roots	26.8
OD1007	Grayish Brown SILTY CLAY with Roots	19.1
OD1008	Brown SILTY CLAY	21.9
OD1009	Brown SILTY CLAY	20.0
OD1010	Brown SILTY CLAY	20.6
OD1011	Brown and Gray CLAYEY SILT with Roots	25.2
OD1012	Brown and Gray CLAYEY SILT with Roots	18.4
OD1013	Brown CLAYEY SILT with Roots	17.4
OD1014	Brown CLAYEY SILT with Roots	19.3
OD1015	Brown CLAYEY SILT with Roots	18.1

ASTM D-422

Client: SAIC	Sample # DF-1157	Date: 12/03/97
Project: Army Ammunition Plant		Tech: M.E.
Ravenna, Ohio		Assumed Gs: 2.67
Project # 97050931		

Total Sample Weight = 156.33 grams	Hydrometer Sample Weight = 40.70 grams
------------------------------------	--

Sieve Sizes	Weight Retained	% Retained	% Passing
1"	0.0	0.0	100.0
3/4"	0.0	0.0	100.0
3/8"	0.0	0.0	100.0
#4	1.5	0.9	99.1
#10	13.9	8.9	91.1
#40	97.5	62.4	37.6
#200	21.5	82.3	17.7

Elapsed Time (min)	Temp. Correct. Value	Corrected Hydro Reading	% Total in Susp.	Effective Length (cm)	Particle Diameter (mm)
2	22.0	4.5	17.5	16.10	0.01309
15	16.5	4.5	12.0	11.04	0.01309
60	14.0	4.5	9.5	8.74	0.01309
250	12.0	4.5	7.5	6.90	0.01309
1440	10.0	4.5	5.5	5.06	0.01309

Summary of Grain Size Distribution	
1	% GRAVEL
8	% COARSE SAND
53	% MEDIUM SAND
20	% FINE SAND
10	% SILT
8	% CLAY (<0.005mm)

Atterberg Limits	
Liquid Limit	N.P.
Plastic Limit	N.P.
Plasticity Index	N.P.

Natural Moisture Content
19.2%

Soil Description: SILTY SAND
Unified Soil Classification System: SM
AASHTO Soil Classification(ODOT): A-1-b



ASTM D-422

Client:	SAIC	Sample #	DF-1261	Date:	12/03/97
Project:	Army Ammunition Plant			Tech:	M.E.
	Ravenna, Ohio			Gs:	2.67
Project #	97050931				

Total Sample Weight =	265.28 grams	Hydrometer Sample Weight =	40.30 grams
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Sieve Sizes	Weight Retained	% Retained	% Passing
1"	0.0	0.0	100.0
3/4"	0.0	0.0	100.0
3/8"	3.0	1.1	98.9
#4	12.8	4.8	95.2
#10	30.9	11.6	88.4
#40	127.5	48.1	51.9
#200	22.5	77.1	22.9

Elapsed Time (min)	Hydro Reading	Temp. Correct. Value	Corrected Hydro Reading	% Total in Susp.	K	Effective Length (cm)	Particle Diameter (mm)
2	21.0	4.5	16.5	21.16	0.01309	13.6	0.0341
15	15.5	4.5	11.0	14.11	0.01309	14.5	0.0129
60	13.0	4.5	8.5	10.90	0.01309	14.91	0.0065
250	11.5	4.5	7.0	8.98	0.01309	15.16	0.0032
1440	10.0	4.5	5.5	7.05	0.01309	15.4	0.0014

Summary of Grain Size Distribution	
5	% GRAVEL
7	% COARSE SAND
37	% MEDIUM SAND
29	% FINE SAND
12	% SILT
10	% CLAY (<0.005mm)

Atterberg Limits	
Liquid Limit	N.P.
Plastic Limit	N.P.
Plasticity Index	N.P.

Natural Moisture Content
14.2%

Soil Description:	SILTY SAND
Unified Soil Classification System:	SM
AASHTO Soil Classification(ODOT):	A-3a



ASTM D-422

Client:	SAIC	Sample #	DF-1263	Date:	12/03/97
Project:	Army Ammunition Plant			Tech:	M.E.
	Ravenna, Ohio			Gs:	2.68
Project #	97050931				

Total Sample Weight =	236.97 grams	Hydrometer Sample Weight =	84.29 grams
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Sieve Sizes	Weight Retained	% Retained	% Passing
1"	0.0	0.0	100.0
3/4"	0.0	0.0	100.0
3/8"	0.0	0.0	100.0
#4	0.0	0.0	100.0
#10	0.5	0.2	99.8
#40	65.0	27.4	72.6
#200	66.0	84.2	15.8

Elapsed Time (min)	Hydro Reading	Temp. Correct. Value	Corrected Hydro Reading	% Total in Susp.	K	Effective Length (cm)	Particle Diameter (mm)
2	21.0	4.5	16.5	14.13	0.01309	13.6	0.0341
15	17.0	4.5	12.5	10.70	0.01309	14.26	0.0128
60	14.0	4.5	9.5	8.13	0.01309	14.75	0.0065
250	12.0	4.5	7.5	6.42	0.01309	15.07	0.0032
1440	10.0	4.5	5.5	4.71	0.01309	15.4	0.0014

Summary of Grain Size Distribution	
0	% GRAVEL
0	% COARSE SAND
27	% MEDIUM SAND
57	% FINE SAND
9	% SILT
7	% CLAY (<0.005mm)

Atterberg Limits	
Liquid Limit	N.P.
Plastic Limit	N.P.
Plasticity Index	N.P.

Natural Moisture Content
19.7%

Soil Description:	SILTY SAND
Unified Soil Classification System:	SM
AASHTO Soil Classification(ODOT):	A-3a



**RCRA Field Investigations, 1997
Ravenna Army Ammunition Plant**

**Location: Deactivation Furnace Area
Station: DF1153-SB01**

DFA-SB-001-1153-SO 0.0-2.0 FT Field Sample Type: Composite - Surface Soil

Collected: 11/21/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	14800	MG/KG		
Antimony	0.57	MG/KG	U	UJ
Arsenic	12.7	MG/KG		
Barium	81.0	MG/KG		
Beryllium	0.79	MG/KG		
Cadmium	0.57	MG/KG	U	
Calcium	19000	MG/KG		
Chromium	20.4	MG/KG		
Cobalt	17.1	MG/KG	U	
Copper	33.4	MG/KG		
Iron	23700	MG/KG	MBB	
Lead	16.4	MG/KG		
Magnesium	6450	MG/KG		
Manganese	458	MG/KG		
Mercury	0.11	MG/KG	U	
Nickel	26.0	MG/KG		
Potassium	3230	MG/KG		
Selenium	0.57	MG/KG	U	
Silver	1.1	MG/KG	U	
Sodium	570	MG/KG	U	
Thallium	0.57	MG/KG	U	
Vanadium	25.3	MG/KG		
Zinc	93.0	MG/KG		J

Location: Deactivation Furnace Area

Station: DF1154-SB01

DFA-SB-001-1154-SO

2.0-4.0 FT

Field Sample Type: Composite - Subsurface Soil

Collected: 11/21/97

Explosives	Result	Units	Qualifiers	
			Lab	Data
1,3,5-Trinitrobenzene	0.25	MG/KG	U	
1,3-Dinitrobenzene	0.25	MG/KG	U	
2,4,6-Trinitrotoluene	0.25	MG/KG	U	
2,4-Dinitrotoluene	0.25	MG/KG	U	
2,6-Dinitrotoluene	0.25	MG/KG	U	
2-Nitrotoluene	0.25	MG/KG	U	
3-Nitrotoluene	0.25	MG/KG	U	
4-Nitrotoluene	0.25	MG/KG	U	
HMX	0.50	MG/KG	U	
Nitrobenzene	0.25	MG/KG	U	
Nitroglycerin	2.5	MG/KG	U	
RDX	0.50	MG/KG	U	
Tetryl	0.65	MG/KG	U	
Metals				
	Result	Units	Qualifiers	
			Lab	Data
Aluminum	10800	MG/KG		
Antimony	0.58	MG/KG	U	UJ
Arsenic	13.0	MG/KG		
Barium	56.7	MG/KG		
Beryllium	0.58	MG/KG		
Cadmium	0.58	MG/KG	U	
Calcium	25000	MG/KG		
Chromium	17.5	MG/KG		
Cobalt	17.3	MG/KG	U	
Copper	21.4	MG/KG		
Iron	23100	MG/KG	MBB	
Lead	10.7	MG/KG		
Magnesium	5840	MG/KG		
Manganese	350	MG/KG		
Mercury	0.12	MG/KG	U	
Nickel	26.0	MG/KG		
Potassium	2210	MG/KG		
Selenium	0.58	MG/KG	U	
Silver	1.2	MG/KG	U	
Sodium	576	MG/KG	U	
Thallium	0.58	MG/KG	U	
Vanadium	19.6	MG/KG		
Zinc	65.8	MG/KG	L	J

Location: Deactivation Furnace Area

Station: DF1155-SB01

DFA-SB-001-1155-SO

4.0-6.0 FT

Field Sample Type: Composite - Subsurface Soil

Collected: 11/21/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	11700	MG/KG		
Antimony	0.58	MG/KG	U	UJ
Arsenic	12.7	MG/KG		
Barium	64.6	MG/KG		
Beryllium	0.58	MG/KG	U	
Cadmium	0.58	MG/KG	U	
Calcium	26500	MG/KG		
Chromium	18.1	MG/KG		
Cobalt	17.5	MG/KG	U	
Copper	20.2	MG/KG		
Iron	24000	MG/KG	MBB	
Lead	11.4	MG/KG		
Magnesium	7150	MG/KG		
Manganese	405	MG/KG		
Mercury	0.12	MG/KG	U	
Nickel	28.6	MG/KG		
Potassium	2300	MG/KG		
Selenium	0.58	MG/KG	U	
Silver	1.2	MG/KG	U	
Sodium	583	MG/KG	U	
Thallium	0.58	MG/KG	U	
Vanadium	21.0	MG/KG		
Zinc	65.8	MG/KG		J

Location: Deactivation Furnace Area

Station: DF1156-SB01

DFA-SB-001-1156-SO

6.0-8.0 FT

Field Sample Type: Composite - Subsurface Soil

Collected: 11/21/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	7290	MG/KG		
Antimony	0.59	MG/KG	U	UJ
Arsenic	15.3	MG/KG		
Barium	39.6	MG/KG		
Beryllium	0.59	MG/KG	U	
Cadmium	0.59	MG/KG	U	
Calcium	19300	MG/KG		
Chromium	11.8	MG/KG		
Cobalt	17.7	MG/KG	U	
Copper	20.7	MG/KG		
Iron	19500	MG/KG	MBB	
Lead	9.9	MG/KG		
Magnesium	4530	MG/KG		
Manganese	314	MG/KG		
Mercury	0.12	MG/KG	U	
Nickel	17.5	MG/KG		
Potassium	1440	MG/KG		
Selenium	0.59	MG/KG	U	
Silver	1.2	MG/KG	U	
Sodium	590	MG/KG	U	
Thallium	0.59	MG/KG	U	
Vanadium	13.7	MG/KG		
Zinc	56.4	MG/KG		J

Location: Deactivation Furnace Area**Station: DF1157-SB01****DFA-SB-001-1157-SO****8.0-10 FT****Field Sample Type: Composite - Subsurface Soil****Collected: 11/21/97**

<u>Metals</u>	<u>Result</u>	<u>Units</u>	<u>Qualifiers</u>	
			<u>Lab</u>	<u>Data</u>
Aluminum	5650	MG/KG		
Antimony	0.56	MG/KG	U	UJ
Arsenic	11.6	MG/KG		
Barium	22.2	MG/KG	U	
Beryllium	0.56	MG/KG	U	
Cadmium	0.56	MG/KG	U	
Calcium	1890	MG/KG		
Chromium	9.6	MG/KG		
Cobalt	16.7	MG/KG	U	
Copper	22.5	MG/KG		
Iron	17100	MG/KG	MBB	
Lead	9.5	MG/KG		
Magnesium	1990	MG/KG		
Manganese	458	MG/KG		
Mercury	0.11	MG/KG	U	
Nickel	17.4	MG/KG		
Potassium	998	MG/KG		
Selenium	0.56	MG/KG	U	
Silver	1.1	MG/KG	U	
Sodium	556	MG/KG	U	
Thallium	0.56	MG/KG	U	
Vanadium	10.8	MG/KG		
Zinc	58.6	MG/KG		J

Location: Deactivation Furnace Area

Station: DF1158-SB02

DFA-SB-002-1158-SO

0.0-2.0 FT

Field Sample Type: Composite - Surface Soil

Collected: 11/23/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	13900	MG/KG		
Antimony	0.59	MG/KG	U	UJ
Arsenic	20.6	MG/KG		
Barium	65.9	MG/KG		
Beryllium	1.0	MG/KG		
Cadmium	0.59	MG/KG	U	
Calcium	2190	MG/KG		
Chromium	22.2	MG/KG		
Cobalt	17.6	MG/KG	U	
Copper	25.0	MG/KG		
Iron	29000	MG/KG	MBB	
Lead	13.7	MG/KG		
Magnesium	4020	MG/KG		
Manganese	288	MG/KG		
Mercury	0.12	MG/KG	U	
Nickel	27.9	MG/KG		
Potassium	2640	MG/KG		
Selenium	0.59	MG/KG	U	
Silver	1.2	MG/KG	U	
Sodium	588	MG/KG	U	
Thallium	0.59	MG/KG	U	
Vanadium	24.8	MG/KG		
Zinc	96.6	MG/KG		J

Location: Deactivation Furnace Area

Station: DF1159-SB02

DFA-SB-002-1159-SO

2.0-4.0 FT

Field Sample Type: Composite - Subsurface Soil

Collected: 11/23/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	14200	MG/KG		
Antimony	0.57	MG/KG	U	UJ
Arsenic	13.1	MG/KG		
Barium	72.4	MG/KG		
Beryllium	0.67	MG/KG		
Cadmium	0.57	MG/KG	U	
Calcium	18800	MG/KG		
Chromium	20.7	MG/KG		
Cobalt	17.1	MG/KG	U	
Copper	21.4	MG/KG		
Iron	25500	MG/KG		MBB
Lead	11.2	MG/KG		
Magnesium	5900	MG/KG		
Manganese	395	MG/KG		
Mercury	0.11	MG/KG	U	
Nickel	27.7	MG/KG		
Potassium	3120	MG/KG		
Selenium	0.57	MG/KG	U	
Silver	1.1	MG/KG	U	
Sodium	569	MG/KG	U	
Thallium	0.57	MG/KG	U	
Vanadium	26.3	MG/KG		
Zinc	67.9	MG/KG		J

Location: Deactivation Furnace Area

Station: DF1160-SB02

DFA-SB-002-1160-SO

4.0-6.0 FT

Field Sample Type: Composite - Subsurface Soil

Collected: 11/23/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	16600	MG/KG		
Antimony	0.57	MG/KG	U	UJ
Arsenic	13.4	MG/KG		
Barium	80.9	MG/KG		
Beryllium	0.74	MG/KG		
Cadmium	0.57	MG/KG	U	
Calcium	25400	MG/KG		
Chromium	23.0	MG/KG		
Cobalt	17.1	MG/KG	U	
Copper	21.1	MG/KG		
Iron	25800	MG/KG	MBB	
Lead	12.9	MG/KG		
Magnesium	6240	MG/KG		
Manganese	388	MG/KG		
Mercury	0.11	MG/KG	U	
Nickel	28.5	MG/KG		
Potassium	4190	MG/KG		
Selenium	0.57	MG/KG	U	
Silver	1.1	MG/KG	U	
Sodium	570	MG/KG	U	
Thallium	0.57	MG/KG	U	
Vanadium	30.1	MG/KG		
Zinc	75.1	MG/KG		J

Location: Deactivation Furnace Area

Station: DF1161-SB02

DFA-SB-002-1161-SO

6.0-8.0 FT

Field Sample Type: Composite - Subsurface Soil

Collected: 11/23/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	4830	MG/KG		
Antimony	0.56	MG/KG	U	UJ
Arsenic	13.5	MG/KG		
Barium	27.8	MG/KG		
Beryllium	0.56	MG/KG	U	
Cadmium	0.56	MG/KG	U	
Calcium	3420	MG/KG		
Chromium	8.5	MG/KG		
Cobalt	16.9	MG/KG	U	
Copper	18.4	MG/KG		
Iron	16600	MG/KG	MBB	
Lead	10.1	MG/KG		
Magnesium	2220	MG/KG		
Manganese	306	MG/KG		
Mercury	0.11	MG/KG	U	
Nickel	15.1	MG/KG		
Potassium	760	MG/KG		
Selenium	0.56	MG/KG	U	
Silver	1.1	MG/KG	U	
Sodium	563	MG/KG	U	
Thallium	0.56	MG/KG	U	
Vanadium	8.9	MG/KG		
Zinc	57.4	MG/KG		J

Location: Deactivation Furnace Area

Station: DF1162-SB02

DFA-SB-002-1162-SO

8.0-10 FT

Field Sample Type: Composite - Subsurface Soil

Collected: 11/23/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	6150	MG/KG		
Antimony	0.55	MG/KG	U	UJ
Arsenic	14.9	MG/KG		
Barium	38.6	MG/KG		
Beryllium	0.55	MG/KG	U	
Cadmium	0.55	MG/KG	U	
Calcium	3580	MG/KG		
Chromium	10.3	MG/KG		
Cobalt	16.5	MG/KG	U	
Copper	22.5	MG/KG		
Iron	18300	MG/KG	MBB	
Lead	12.8	MG/KG		
Magnesium	2230	MG/KG		
Manganese	578	MG/KG		
Mercury	0.11	MG/KG	U	
Nickel	22.7	MG/KG		
Potassium	1250	MG/KG		
Selenium	0.55	MG/KG	U	
Silver	1.1	MG/KG	U	
Sodium	550	MG/KG	U	
Thallium	0.55	MG/KG	U	
Vanadium	11.8	MG/KG		
Zinc	71.4	MG/KG		J

Location: Deactivation Furnace Area

Station: SS01

DFA-SS-001D-1225-SO

0.0-0.5 FT

Field Sample Type: Field Duplicate

Collected: 11/24/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	13400	MG/KG		
Antimony	0.96	MG/KG		J
Arsenic	11.0	MG/KG		
Barium	128	MG/KG		
Beryllium	1.2	MG/KG		
Cadmium	2.8	MG/KG		J
Calcium	31700	MG/KG		
Chromium	15.2	MG/KG		
Cobalt	17.4	MG/KG	U	
Copper	83.4	MG/KG		
Iron	19500	MG/KG		
Lead	46.5	MG/KG		
Magnesium	7380	MG/KG		
Manganese	792	MG/KG		
Mercury	0.12	MG/KG	U	
Nickel	21.3	MG/KG		
Potassium	2060	MG/KG		
Selenium	0.58	MG/KG	U	
Silver	1.2	MG/KG	U	
Sodium	580	MG/KG	U	
Thallium	0.58	MG/KG	U	
Vanadium	17.3	MG/KG		
Zinc	219	MG/KG		J

Data Qualifiers:

L-Serial dilution criteria not met MBB-Detected in method blank at less than 5% of sample amount PF-RPD greater than 50% difference between columns
 J-Estimated value U-Not detected UJ-Not detected, associated value uncertain

Location: Deactivation Furnace Area

Station: SS01

DFA-SS-001-1151-SO

0.0-0.5 FT

Field Sample Type: Split Sample

Collected: 11/24/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	14500	MG/KG		
Antimony	0.60	MG/KG	U	UJ
Arsenic	12.5	MG/KG		
Barium	108	MG/KG		
Beryllium	1.0	MG/KG		
Cadmium	1.7	MG/KG		J
Calcium	25800	MG/KG		
Chromium	18.4	MG/KG		
Cobalt	18.0	MG/KG	U	
Copper	46.3	MG/KG		
Iron	22800	MG/KG		
Lead	34.4	MG/KG		
Magnesium	7000	MG/KG		
Manganese	678	MG/KG		
Mercury	0.12	MG/KG	U	
Nickel	24.4	MG/KG		
Potassium	2800	MG/KG		
Selenium	0.60	MG/KG	U	
Silver	1.2	MG/KG	U	
Sodium	599	MG/KG	U	
Thallium	0.60	MG/KG	U	
Vanadium	22.5	MG/KG		
Zinc	178	MG/KG		J

Data Qualifiers:

L-Serial dilution criteria not met MBB-Detected in method blank at less than 5% of sample amount PF-RPD greater than 50% difference between columns
 J-Estimated value U-Not detected UJ-Not detected, associated value uncertain

Location: Deactivation Furnace Area

Station: SS02

DFA-SS-002D-1226-SO

0.0-0.5 FT

Field Sample Type: Field Duplicate

Collected: 11/24/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	10600	MG/KG		
Antimony	0.89	MG/KG		J
Arsenic	69.9	MG/KG		
Barium	77.2	MG/KG		
Beryllium	0.61	MG/KG	U	
Cadmium	2.9	MG/KG		J
Calcium	14500	MG/KG		
Chromium	16.5	MG/KG		
Cobalt	18.2	MG/KG	U	
Copper	158	MG/KG		
Iron	22000	MG/KG		
Lead	57.6	MG/KG		
Magnesium	4070	MG/KG		
Manganese	434	MG/KG		
Mercury	0.12	MG/KG	U	
Nickel	24.1	MG/KG		
Potassium	1850	MG/KG		
Selenium	0.61	MG/KG	U	
Silver	1.2	MG/KG	U	
Sodium	606	MG/KG	U	
Thallium	0.61	MG/KG	U	
Vanadium	18.1	MG/KG		
Zinc	272	MG/KG		J

Data Qualifiers:

L-Serial dilution criteria not met MBB-Detected in method blank at less than 5% of sample amount PF-RPD greater than 50% difference between columns
 J-Estimated value U-Not detected UJ-Not detected, associated value uncertain

Location: Deactivation Furnace Area

Station: SS02

DFA-SS-002-1152-SO

0.0-0.5 FT

Field Sample Type: Composite - Surface Soil

Collected: 11/24/97

Metals	Result	Units	Qualifiers	
			Lab	Data
Aluminum	15400	MG/KG		
Antimony	2.3	MG/KG		J
Arsenic	171	MG/KG		
Barium	128	MG/KG		
Beryllium	1.1	MG/KG		
Cadmium	8.9	MG/KG		J
Calcium	33900	MG/KG		
Chromium	18.9	MG/KG		
Cobalt	18.3	MG/KG	U	
Copper	545	MG/KG		
Iron	19200	MG/KG		
Lead	144	MG/KG		
Magnesium	6260	MG/KG		
Manganese	924	MG/KG		
Mercury	0.12	MG/KG	U	
Nickel	21.7	MG/KG		
Potassium	2190	MG/KG		
Selenium	0.61	MG/KG	U	
Silver	1.2	MG/KG	U	
Sodium	609	MG/KG	U	
Thallium	0.61	MG/KG	U	
Vanadium	17.8	MG/KG		
Zinc	667	MG/KG		J

Data Qualifiers:

L-Serial dilution criteria not met MBB-Detected in method blank at less than 5% of sample amount PF-RPD greater than 50% difference between columns
 J-Estimated value U-Not detected UJ-Not detected, associated value uncertain