

APPENDIX G
PARAMETERS MEASURED IN SOILS, SEDIMENTS,
AND GROUNDWATERS

CONTENTS

| | | |
|-----|---|---------------|
| G.1 | SOIL RESULTS (BY LOCATION) | G-5 — G-377 |
| G.2 | SEDIMENT RESULTS (BY LOCATION) | G-381 — G-515 |
| G.3 | GROUNDWATER RESULTS (BY LOCATION) | G-519 — G-573 |

APPENDIX G.1
SOIL RESULTS (BY LOCATION)

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
 Station : B12ss-001 Adjacent to building drain/vent on west side

Northing: 19049.00
 Easting: 149834.00
 Elevation:

B12ss-001-0378-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
| REG | Cyanide | 0.21 | MG/KG | B | J | |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 12200 | MG/KG | = | | |
| REG | Antimony | 1.1 | MG/KG | = | | |
| REG | Arsenic | 13.9 | MG/KG | = | | |
| REG | Barium | 69.9 | MG/KG | = | | |
| REG | Beryllium | 0.6 | MG/KG | = | | |
| REG | Cadmium | 0.14 | MG/KG | B | J | |
| REG | Calcium | 1880 | MG/KG | = | | |
| REG | Chromium | 14.3 | MG/KG | = | | |
| REG | Cobalt | 8.8 | MG/KG | = | | |
| REG | Copper | 15 | MG/KG | = | | |
| REG | Iron | 22800 | MG/KG | = | | |
| REG | Lead | 17.4 | MG/KG | = | | |
| REG | Magnesium | 2410 | MG/KG | = | | |
| REG | Manganese | 426 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Nickel | 18.6 | MG/KG | = | | |
| REG | Potassium | 932 | MG/KG | = | | |
| REG | Selenium | 0.76 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Sodium | 143 | MG/KG | B | J | |
| REG | Thallium | 1.5 | MG/KG | = | | |
| REG | Vanadium | 22.1 | MG/KG | = | | |
| REG | Zinc | 51.5 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 26 | UG/KG | U | U | |
| REG | 4,4'-DDE | 26 | UG/KG | U | U | |
| REG | 4,4'-DDT | 26 | UG/KG | U | U | |
| REG | Aldrin | 14 | UG/KG | U | U | |
| REG | Alpha Chlordane | 240 | UG/KG | PD | J | M08 |
| REG | Alpha-BHC | 14 | UG/KG | U | U | |
| REG | Aroclor-1016 | 350 | UG/KG | U | U | |
| REG | Aroclor-1221 | 350 | UG/KG | U | U | |
| REG | Aroclor-1232 | 350 | UG/KG | U | U | |
| REG | Aroclor-1242 | 350 | UG/KG | U | U | |
| REG | Aroclor-1248 | 350 | UG/KG | U | U | |
| REG | Aroclor-1254 | 710 | UG/KG | U | U | |
| REG | Aroclor-1260 | 710 | UG/KG | U | U | |
| REG | Beta-BHC | 14 | UG/KG | U | U | |
| REG | Delta-BHC | 14 | UG/KG | U | U | |
| REG | Dieldrin | 26 | UG/KG | U | U | |
| REG | Endosulfan I | 14 | UG/KG | U | U | |
| REG | Endosulfan II | 26 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 26 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
 Station : B12ss-001 Adjacent to building drain/vent on west side

Northing: 19049.00
 Easting: 149834.00
 Elevation:

B12ss-001-0378-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Endrin | 26 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 26 | UG/KG | U | U | | |
| REG | Endrin Ketone | 26 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 230 | UG/KG | | = | | |
| REG | Gamma-BHC (Lindane) | 14 | UG/KG | U | U | | |
| REG | Heptachlor | 14 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 14 | UG/KG | U | U | | |
| REG | Methoxychlor | 140 | UG/KG | U | U | | |
| REG | Toxaphene | 880 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 850 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 850 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 850 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 850 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 850 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 850 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 850 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | |
| REG | Anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 140 | UG/KG | J | J | | |
| REG | Benzo(a)pyrene | 160 | UG/KG | J | J | | |
| REG | Benzo(b)fluoranthene | 140 | UG/KG | J | J | | |
| REG | Benzo(g,h,i)perylene | 95 | UG/KG | J | J | | |
| REG | Benzo(k)fluoranthene | 130 | UG/KG | J | J | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 40 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Carbazole | 350 | UG/KG | U | U | | |
| REG | Chrysene | 160 | UG/KG | J | J | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 48 | UG/KG | J | J | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Fluoranthene | 130 | UG/KG | J | J | | |
| REG | Fluorene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Building 1200
Station : B12ss-001 Adjacent to building drain/vent on west side

Northing: 19049.00
Easting: 149834.00
Elevation:

B12ss-001-0378-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | U | | | |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 96 | UG/KG | J | J | | | |
| REG | Isophorone | 350 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 850 | UG/KG | U | U | | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | | |
| REG | Phenol | 350 | UG/KG | U | U | | | |
| REG | Pyrene | 130 | UG/KG | J | J | | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|--|--|
| REA | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | | |
| REA | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | | |
| REA | 2-Butanone | 5 | UG/KG | U | UJ | K01 | | |
| REA | 2-Hexanone | 5 | UG/KG | U | UJ | K01 | | |
| REA | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | | |
| REA | Acetone | 5 | UG/KG | U | UJ | K01 | | |
| REA | Benzene | 5 | UG/KG | U | UJ | K01 | | |
| REA | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | Bromoform | 5 | UG/KG | U | UJ | K01 | | |
| REA | Bromomethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 | | |
| REA | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | | |
| REA | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | | |
| REA | Chloroethane | 5 | UG/KG | U | UJ | C02, K01 | | |
| REA | Chloroform | 5 | UG/KG | U | UJ | K01 | | |
| REA | Chloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REA | Ethylbenzene | 5 | UG/KG | U | UJ | K01 | | |
| REA | Methylene Chloride | 3 | UG/KG | J | J | C05, K01 | | |
| REA | Styrene | 5 | UG/KG | U | UJ | K01 | | |
| REA | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REA | Toluene | 5 | UG/KG | U | UJ | K01 | | |
| REA | Trichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REA | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 | | |
| REA | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | | |
| REA | o-Xylene | 5 | UG/KG | U | UJ | K01 | | |

Location: Building 1200
Station : B12ss-002 Adjacent to building at effluent pipe inlet

Northing: 19084.00
Easting: 149875.00
Elevation:

B12ss-002-0379-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|--------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Northing: 19084.00
 Easting: 149875.00
 Elevation:

Location: Building 1200
 Station: B12ss-002 Adjacent to building at effluent pipe inlet

B12ss-002-0379-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 11500 | MG/KG | | = | |
| REG | Arsenic | 13.8 | MG/KG | | = | |
| REG | Barium | 75.8 | MG/KG | | = | |
| REG | Cadmium | 0.28 | MG/KG | B | J | |
| REG | Chromium | 15.6 | MG/KG | | = | |
| REG | Lead | 24.7 | MG/KG | | = | |
| REG | Manganese | 265 | MG/KG | | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.63 | MG/KG | | = | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 59.9 | MG/KG | | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | C08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 |

B12ss-002-0380-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/24/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 11800 | MG/KG | | = | |
| REG | Arsenic | 14.5 | MG/KG | | = | |
| REG | Barium | 76.7 | MG/KG | | = | |
| REG | Cadmium | 0.19 | MG/KG | B | J | |
| REG | Chromium | 15.4 | MG/KG | | = | |
| REG | Lead | 21.1 | MG/KG | | = | |
| REG | Manganese | 201 | MG/KG | | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 0.76 | MG/KG | | = | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Zinc | 54.4 | MG/KG | | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | C08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-001 Demolition Area No. 2 Soil Boring 01

Northing: 14010.00
 Easting: 133418.00
 Elevation:

DA2so-001-0574-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 10900 | MG/KG | = | | |
| REG | Arsenic | 25.7 | MG/KG | = | | |
| REG | Barium | 266 | MG/KG | = | | |
| REG | Cadmium | 1.6 | MG/KG | N | J | F01 |
| REG | Chromium | 13.8 | MG/KG | = | | |
| REG | Lead | 1900 | MG/KG | * | = | |
| REG | Manganese | 832 | MG/KG | = | | |
| REG | Mercury | 0.25 | MG/KG | = | | |
| REG | Selenium | 1.3 | MG/KG | N | = | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 375 | MG/KG | E | = | |

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

DA2so-001-0575-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

| | | | |
|--------------------|-----------------|------|-------|
| Field Measurements | Air Temperature | 85 | DEG F |
| | Head Space | <1.0 | PPM |
| | Organic Vapor | 1.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 10700 | MG/KG | = | | |
| REG | Arsenic | 12.6 | MG/KG | = | | |
| REG | Barium | 60.9 | MG/KG | = | | |
| REG | Cadmium | 0.31 | MG/KG | BN | U | F01 |
| REG | Chromium | 13.6 | MG/KG | = | | |
| REG | Lead | 20 | MG/KG | * | = | |
| REG | Manganese | 312 | MG/KG | = | | |
| REG | Mercury | 0.13 | MG/KG | = | | |
| REG | Selenium | 1.3 | MG/KG | N | = | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 76.8 | MG/KG | E | = | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-002 Demolition Area No. 2 Soil Boring 02

Northing: 14010.00
 Easting: 133521.00
 Elevation:

DA2so-002-0576-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------|------------|------|------------|
| Sample Type | Metals | Result | Units | Lab | Data | Lab | Data | Code |
| REG | Aluminum | 8770 | MG/KG | | = | | | |
| REG | Arsenic | 25.6 | MG/KG | | = | | | |
| REG | Barium | 144 | MG/KG | | = | | | |
| REG | Cadmium | 3.1 | MG/KG | N | J | | | F01 |
| REG | Chromium | 12.9 | MG/KG | | = | | | |
| REG | Lead | 39 | MG/KG | * | = | | | |
| REG | Manganese | 334 | MG/KG | | = | | | |
| REG | Mercury | 0.09 | MG/KG | | = | | | |
| REG | Selenium | 2 | MG/KG | N | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 240 | MG/KG | E | = | | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation |
|-------------|-----------------------|--------|-------|------------|------|------------|
| Sample Type | Explosives | Result | Units | Lab | Data | Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 660 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

DA2so-002-0577-SO 2.0 - 3.5 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------|------------|------|------------|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 1.2 | PPM | | | | |
| Sample Type | Metals | Result | Units | Lab | Data | Lab | Data | Code |
| REG | Aluminum | 13200 | MG/KG | | = | | | |
| REG | Arsenic | 17.3 | MG/KG | | = | | | |
| REG | Barium | 593 | MG/KG | | = | | | |
| REG | Cadmium | 2.4 | MG/KG | N | J | | | F01 |
| REG | Chromium | 11.1 | MG/KG | | = | | | |
| REG | Lead | 87.2 | MG/KG | * | = | | | |
| REG | Manganese | 372 | MG/KG | | = | | | |
| REG | Mercury | 0.09 | MG/KG | | = | | | |
| REG | Selenium | 0.35 | MG/KG | BN | J | | | F06 |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 181 | MG/KG | E | = | | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation |
|-------------|-----------------------|--------|-------|------------|------|------------|
| Sample Type | Explosives | Result | Units | Lab | Data | Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 420 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-003 Demolition Area No. 2 Soil Boring 03

Northing: 14020.00
 Easting: 133649.00
 Elevation:

DA2so-003-0578-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | Aluminum | 7730 | MG/KG | = | | | | | |
| REG | Arsenic | 19.6 | MG/KG | = | | | | | |
| REG | Barium | 52.6 | MG/KG | = | | | | | |
| REG | Cadmium | 0.57 | MG/KG | N | J | F01 | | | |
| REG | Chromium | 11.9 | MG/KG | = | | | | | |
| REG | Lead | 17.3 | MG/KG | * | | | | | |
| REG | Manganese | 394 | MG/KG | = | | | | | |
| REG | Mercury | 0.07 | MG/KG | = | | | | | |
| REG | Selenium | 0.74 | MG/KG | N | | | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | | |
| REG | Zinc | 111 | MG/KG | E | = | | | | |
| | | | | | | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | | |

DA2so-003-0579-SO 2.0 - 3.5 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|--|
| | | Head Space | 0.0 | PPM | | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | Aluminum | 6700 | MG/KG | = | | | | | |
| REG | Arsenic | 18.9 | MG/KG | = | | | | | |
| REG | Barium | 29.9 | MG/KG | = | | | | | |
| REG | Cadmium | 0.05 | MG/KG | UN | U | F01 | | | |
| REG | Chromium | 10 | MG/KG | = | | | | | |
| REG | Lead | 13.2 | MG/KG | * | | | | | |
| REG | Manganese | 466 | MG/KG | = | | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | | |
| REG | Selenium | 0.37 | MG/KG | BN | J | F06 | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | | |
| REG | Zinc | 62.6 | MG/KG | E | = | | | | |
| | | | | | | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-004 Demolition Area No. 2 Soil Boring 04

Northing: 14142.00
 Easting: 133659.00
 Elevation:

DA2so-004-0580-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | Aluminum | 10500 | MG/KG | = | | | | | |
| REG | Arsenic | 18 | MG/KG | = | | | | | |
| REG | Barium | 55.7 | MG/KG | = | | | | | |
| REG | Cadmium | 0.17 | MG/KG | BN | U | F01 | | | |
| REG | Chromium | 13.9 | MG/KG | = | | | | | |
| REG | Lead | 16.1 | MG/KG | * | = | | | | |
| REG | Manganese | 349 | MG/KG | = | | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | | |
| REG | Selenium | 0.64 | MG/KG | N | = | | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | | |
| REG | Zinc | 156 | MG/KG | E | = | | | | |

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

DA2so-004-0581-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|--|
| | | Head Space | 0.8 | PPM | | | | | |
| | | Organic Vapor | 1.2 | PPM | | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | Aluminum | 9820 | MG/KG | = | | | | | |
| REG | Arsenic | 30.8 | MG/KG | = | | | | | |
| REG | Barium | 57.9 | MG/KG | = | | | | | |
| REG | Cadmium | 0.05 | MG/KG | UN | U | F01 | | | |
| REG | Chromium | 14.3 | MG/KG | = | | | | | |
| REG | Lead | 16.1 | MG/KG | * | = | | | | |
| REG | Manganese | 442 | MG/KG | = | | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | | |
| REG | Selenium | 0.5 | MG/KG | BN | J | F06 | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | | |
| REG | Zinc | 70.6 | MG/KG | E | = | | | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-005 Demolition Area No. 2 Soil Boring 05

Northing: 14240.00
 Easting: 133659.00
 Elevation:

DA2so-005-0582-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.1 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9090 | MG/KG | | = | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | |
| REG | Arsenic | 16.1 | MG/KG | | = | | |
| REG | Barium | 50.5 | MG/KG | | = | | |
| REG | Beryllium | 0.51 | MG/KG | | = | | |
| REG | Cadmium | 0.53 | MG/KG | | = | | |
| REG | Calcium | 4350 | MG/KG | | = | | |
| REG | Chromium | 12.6 | MG/KG | | = | | |
| REG | Cobalt | 9.8 | MG/KG | | = | | |
| REG | Copper | 67.4 | MG/KG | | = | | |
| REG | Iron | 23500 | MG/KG | | = | | |
| REG | Lead | 19.4 | MG/KG | | = | | |
| REG | Magnesium | 3770 | MG/KG | | = | | |
| REG | Manganese | 318 | MG/KG | | = | | |
| REG | Mercury | 0.06 | MG/KG | | = | | |
| REG | Nickel | 22 | MG/KG | | = | | |
| REG | Potassium | 1300 | MG/KG | | = | | |
| REG | Selenium | 0.5 | MG/KG | B | J | F06 | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 218 | MG/KG | B | J | F06 | |
| REG | Thallium | 1.1 | MG/KG | | = | | |
| REG | Vanadium | 14 | MG/KG | | = | | |
| REG | Zinc | 86.8 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-005 Demolition Area No. 2 Soil Boring 05

Northing: 14240.00
 Easting: 133659.00
 Elevation:

DA2so-005-0582-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|-------------------------------|-----------------|-------|---------------------|---|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab Data | | Validation Code |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 2.6 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | |
| REG | Methoxychlor | 13 | UG/KG | U | U | |
| REG | Toxaphene | 86 | UG/KG | U | U | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab Data | | Validation Code |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | |
| REG | Acenaphthene | 340 | UG/KG | U | U | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | |
| REG | Anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | |
| REG | Carbazole | 340 | UG/KG | U | U | |
| REG | Chrysene | 340 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Fluoranthene | 340 | UG/KG | U | U | |
| REG | Fluorene | 340 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station: DA2so-005 Demolition Area No. 2 Soil Boring 05

Northing: 14240.00
 Easting: 133659.00
 Elevation:

DA2so-005-0582-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | |
| REG | Isophorone | 340 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | |
| REG | Naphthalene | 340 | UG/KG | U | U | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | |
| REG | Phenanthrene | 340 | UG/KG | U | U | |
| REG | Phenol | 340 | UG/KG | U | U | |
| REG | Pyrene | 340 | UG/KG | U | U | |

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

DA2so-005-0583-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 9310 | MG/KG | | = | |
| REG | Arsenic | 19 | MG/KG | N | J | 101 |
| REG | Barium | 36.4 | MG/KG | | = | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-005 Demolition Area No. 2 Soil Boring 05

Northing: 14240.00
 Easting: 133659.00
 Elevation:

DA2so-005-0583-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------------|--|------------|
| Sample Type | Metals | Result | Units | Lab | Data | | Code |
| REG | Cadmium | 0.04 | MG/KG | U | U | | |
| REG | Chromium | 13.2 | MG/KG | | = | | |
| REG | Lead | 11.9 | MG/KG | | = | | |
| REG | Manganese | 329 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U* | U | | |
| REG | Selenium | 0.4 | MG/KG | B | J | | F06 |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 62.6 | MG/KG | | = | | |

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

DA2so-005-0584-FD 2.0 - 4.0 FT Field Sample Type: Field Duplicate Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------------|--|------------|
| Sample Type | Metals | Result | Units | Lab | Data | | Code |
| REG | Aluminum | 8190 | MG/KG | | = | | |
| REG | Arsenic | 16.8 | MG/KG | N | J | | I01 |
| REG | Barium | 37.1 | MG/KG | | = | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | |
| REG | Chromium | 13.2 | MG/KG | | = | | |
| REG | Lead | 10.9 | MG/KG | | = | | |
| REG | Manganese | 289 | MG/KG | | = | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | |
| REG | Selenium | 0.3 | MG/KG | U | U | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 56.7 | MG/KG | | = | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-006 Demolition Area No. 2 Soil Boring 06

Northing: 14287.00
 Easting: 133725.00
 Elevation:

Collected: 08/05/96

DA2so-006-0586-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Borehole Soil

| Field Measurements | | Air Temperature | 75 | DEG F | | Qualifiers | | Validation Code |
|--------------------|-----------|-----------------|-------|-------|------|------------|-----|-----------------|
| Sample Type | Metals | Result | Units | Lab | Data | | | |
| REG | Aluminum | 9390 | MG/KG | | = | | | |
| REG | Arsenic | 19.3 | MG/KG | | = | | | |
| REG | Barium | 74.2 | MG/KG | | = | | | |
| REG | Cadmium | 1.8 | MG/KG | N | J | | F01 | |
| REG | Chromium | 13.3 | MG/KG | | = | | | |
| REG | Lead | 30.3 | MG/KG | * | = | | | |
| REG | Manganese | 377 | MG/KG | | = | | | |
| REG | Mercury | 0.11 | MG/KG | | = | | | |
| REG | Selenium | 0.76 | MG/KG | N | | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 248 | MG/KG | E | = | | | |

| Sample Type | Explosives | Result | Units | Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|-----|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 4400 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

DA2so-006-0587-SO 2.0 - 3.2 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | Qualifiers | | Validation Code |
|--------------------|-----------|-----------------|-------|-------|------|------------|-----|-----------------|
| | | Head Space | 0.4 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Lab | Data | | | |
| REG | Aluminum | 12000 | MG/KG | | = | | | |
| REG | Arsenic | 12.4 | MG/KG | N | J | | I01 | |
| REG | Barium | 81.3 | MG/KG | | = | | | |
| REG | Cadmium | 0.51 | MG/KG | B | J | | F06 | |
| REG | Chromium | 14.2 | MG/KG | | = | | | |
| REG | Lead | 22.9 | MG/KG | | = | | | |
| REG | Manganese | 957 | MG/KG | | = | | | |
| REG | Mercury | 0.21 | MG/KG | * | = | | | |
| REG | Selenium | 0.7 | MG/KG | | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 80.6 | MG/KG | | = | | | |

| Sample Type | Explosives | Result | Units | Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|-----|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 530 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 420 | UG/KG | JP | J | M08 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-007 Demolition Area No. 2 Soil Boring 07

Northing: 14313.00
 Easting: 133620.00
 Elevation:

DA2so-007-0588-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | Aluminum | 14400 | MG/KG | = | | | | | |
| REG | Arsenic | 13.1 | MG/KG | N | J | I01 | | | |
| REG | Barium | 78 | MG/KG | = | | | | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | | | |
| REG | Chromium | 18 | MG/KG | = | | | | | |
| REG | Lead | 12.9 | MG/KG | = | | | | | |
| REG | Manganese | 219 | MG/KG | = | | | | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | | | |
| REG | Selenium | 0.43 | MG/KG | B | J | F06 | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | | | |
| REG | Zinc | 59.2 | MG/KG | = | | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | | |

DA2so-007-0589-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 86 | DEG F | | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|--|
| | | Head Space | 0.0 | PPM | | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | Aluminum | 10600 | MG/KG | = | | | | | |
| REG | Arsenic | 23 | MG/KG | N | J | I01 | | | |
| REG | Barium | 54.2 | MG/KG | = | | | | | |
| REG | Cadmium | 0.13 | MG/KG | B | J | F06 | | | |
| REG | Chromium | 14.4 | MG/KG | = | | | | | |
| REG | Lead | 15.4 | MG/KG | = | | | | | |
| REG | Manganese | 285 | MG/KG | = | | | | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | | | |
| REG | Selenium | 0.56 | MG/KG | = | | | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | | | |
| REG | Zinc | 60.2 | MG/KG | = | | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-008 Demolition Area No. 2 Soil Boring 08

Northing: 14352.00
 Easting: 133520.00
 Elevation:

DA2so-008-0590-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 15600 | MG/KG | | = | | | |
| REG | Arsenic | 20.1 | MG/KG | N | J | I01 | | |
| REG | Barium | 78.7 | MG/KG | | = | | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | | |
| REG | Chromium | 18.9 | MG/KG | | = | | | |
| REG | Lead | 15.3 | MG/KG | | = | | | |
| REG | Manganese | 193 | MG/KG | | = | | | |
| REG | Mercury | 0.04 | MG/KG | U* | U | | | |
| REG | Selenium | 1.4 | MG/KG | | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 59.5 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

DA2so-008-0591-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 14300 | MG/KG | | = | | | |
| REG | Arsenic | 13.8 | MG/KG | N | J | I01 | | |
| REG | Barium | 69.2 | MG/KG | | = | | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | | |
| REG | Chromium | 17 | MG/KG | | = | | | |
| REG | Lead | 11.7 | MG/KG | | = | | | |
| REG | Manganese | 209 | MG/KG | | = | | | |
| REG | Mercury | 0.04 | MG/KG | U* | U | | | |
| REG | Selenium | 1.2 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 50.9 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-008-0593-SO 2.0 - 3.7 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 80 | DEG F | | Validation Code | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | | |
| REG | Aluminum | 9250 | MG/KG | * | = | | |
| REG | Arsenic | 10.8 | MG/KG | N | J | I02 | |
| REG | Barium | 72.7 | MG/KG | N* | J | I02 | |
| REG | Cadmium | 0.26 | MG/KG | B* | J | I01 | |
| REG | Chromium | 13.8 | MG/KG | N* | J | I02 | |
| REG | Lead | 9.6 | MG/KG | * | = | | |
| REG | Manganese | 330 | MG/KG | * | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 0.28 | MG/KG | UN | UJ | I02 | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 49.7 | MG/KG | * | J | I01 | |

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

Northing: 14357.00
 Easting: 133413.00
 Elevation:

Location: Demolition Area No. 2
 Station: DA2so-009 Demolition Area No. 2 Soil Boring 09

DA2so-009-0594-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/94

| Field Measurements | | Air Temperature | 80 | DEG F | | Validation Code | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | | |
| REG | Aluminum | 13300 | MG/KG | * | = | | |
| REG | Arsenic | 13.8 | MG/KG | N | J | I02 | |
| REG | Barium | 66.9 | MG/KG | * | = | | |
| REG | Cadmium | 0.29 | MG/KG | B | J | F06 | |
| REG | Chromium | 15.5 | MG/KG | * | = | | |
| REG | Lead | 19.8 | MG/KG | N | J | I02 | |
| REG | Manganese | 827 | MG/KG | * | = | | |
| REG | Mercury | 0.09 | MG/KG | N* | = | | |
| REG | Selenium | 0.71 | MG/KG | | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 69.1 | MG/KG | | = | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-010 Demolition Area No. 2 Soil Boring 10

Northing: 14071.00
 Easting: 133358.00
 Elevation:

DA2so-010-0596-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9200 | MG/KG | = | | | |
| REG | Arsenic | 15.2 | MG/KG | N | = | | |
| REG | Barium | 95.7 | MG/KG | N* | = | | |
| REG | Cadmium | 1.4 | MG/KG | = | | | |
| REG | Chromium | 12.1 | MG/KG | = | | | |
| REG | Lead | 26.9 | MG/KG | * | = | | |
| REG | Manganese | 381 | MG/KG | * | = | | |
| REG | Mercury | 0.2 | MG/KG | = | | | |
| REG | Selenium | 0.35 | MG/KG | UN | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 151 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | |
| REG | 2,4,6-Trinitrotoluene | 3300 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-010-0597-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Borehole Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 80 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10600 | MG/KG | = | | | |
| REG | Arsenic | 14.4 | MG/KG | N | = | | |
| REG | Barium | 71.5 | MG/KG | N* | = | | |
| REG | Cadmium | 1.2 | MG/KG | = | | | |
| REG | Chromium | 12.6 | MG/KG | = | | | |
| REG | Lead | 32.3 | MG/KG | * | = | | |
| REG | Manganese | 295 | MG/KG | * | = | | |
| REG | Mercury | 0.19 | MG/KG | = | | | |
| REG | Selenium | 0.35 | MG/KG | UN | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 202 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 29000 | UG/KG | P | J | M08 | |
| REG | 1,3-Dinitrobenzene | 6250 | UG/KG | U | UJ | H02,P02 | |
| REG | 2,4,6-Trinitrotoluene | 920000 | UG/KG | E | = | | |
| REG | 2,4-Dinitrotoluene | 6250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 6500 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 6250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 6250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 6250 | UG/KG | U | U | | |
| REG | HMX | 50000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 6500 | UG/KG | U | U | | |
| REG | RDX | 25000 | UG/KG | U | U | | |
| REG | Tetryl | 16250 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-010-0598-SO 2.0 - 4.0 FT

Field Sample Type: Grab Matrix: Borehole Soil

Collected: 08/09/96

| Field Measurements | | Head Space | 80 | PPM | | | |
|--------------------|-----------|---------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9670 | MG/KG | | = | | |
| REG | Arsenic | 17.1 | MG/KG | N | = | | |
| REG | Barium | 104 | MG/KG | N* | = | | |
| REG | Cadmium | 2.7 | MG/KG | | = | | |
| REG | Chromium | 19.5 | MG/KG | | = | | |
| REG | Lead | 40.9 | MG/KG | * | = | | |
| REG | Manganese | 457 | MG/KG | * | = | | |
| REG | Mercury | 0.1 | MG/KG | | = | | |
| REG | Selenium | 0.33 | MG/KG | UN | U | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 235 | MG/KG | | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 2300 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 4300 | UG/KG | | = | |

Northing: 14205.00
 Easting: 133363.00
 Elevation:

Location: Demolition Area No. 2
 Station: DA2so-011 Demolition Area No. 2 Soil Boring 11

DA2so-011-0599-SO 0.0 - 1.2 FT

Field Sample Type: Grab Matrix: Borehole Soil

Collected: 08/09/96

| Field Measurements | | Head Space | 80 | PPM | | | |
|--------------------|-----------|---------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10100 | MG/KG | | = | | |
| REG | Arsenic | 14.4 | MG/KG | N | = | | |
| REG | Barium | 82.7 | MG/KG | N* | = | | |
| REG | Cadmium | 0.82 | MG/KG | | = | | |
| REG | Chromium | 14 | MG/KG | | = | | |
| REG | Lead | 22.7 | MG/KG | * | = | | |
| REG | Manganese | 365 | MG/KG | * | = | | |
| REG | Mercury | 0.13 | MG/KG | | = | | |
| REG | Selenium | 0.36 | MG/KG | UN | U | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 125 | MG/KG | | = | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-011-0600-SO 2.2 - 4.0 FT

Field Sample Type: Grab Matrix: Borehole Soil

Collected: 08/09/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 2.5 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 15600 | MG/KG | = | | | |
| REG | Arsenic | 14.1 | MG/KG | N | = | | |
| REG | Barium | 74.5 | MG/KG | N* | = | | |
| REG | Cadmium | 0.17 | MG/KG | B | J | F06 | |
| REG | Chromium | 19.1 | MG/KG | = | | | |
| REG | Lead | 18.7 | MG/KG | * | = | | |
| REG | Manganese | 603 | MG/KG | * | = | | |
| REG | Mercury | 0.06 | MG/KG | = | | | |
| REG | Selenium | 0.36 | MG/KG | UN | U | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 72.7 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | |
| REG | 2,4,6-Trinitrotoluene | 1800 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Demolition Area No. 2
 Station : DA2so-012 Demolition Area No. 2 Soil Boring 12

Northing: 14338.00
 Easting: 133346.00
 Elevation:

DA2so-012-0601-SO 0.0 - 2.0 FT

Field Sample Type: Grab Matrix: Borehole Soil

Collected: 08/07/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 2.5 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 11400 | MG/KG | = | | | |
| REG | Arsenic | 22 | MG/KG | = | | | |
| REG | Barium | 50.6 | MG/KG | = | | | |
| REG | Cadmium | 0.4 | MG/KG | B | J | F06 | |
| REG | Chromium | 17.3 | MG/KG | E | J | E07 | |
| REG | Lead | 15.3 | MG/KG | * | J | I01 | |
| REG | Manganese | 413 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | |
| REG | Selenium | 1.3 | MG/KG | = | | | |
| REG | Silver | 0.24 | MG/KG | U | U | | |
| REG | Zinc | 81.2 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-012-0602-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10100 | MG/KG | = | | | |
| REG | Arsenic | 24.4 | MG/KG | = | | | |
| REG | Barium | 36.3 | MG/KG | = | | | |
| REG | Cadmium | 0.48 | MG/KG | B | J | F06 | |
| REG | Chromium | 15.6 | MG/KG | E | J | E07 | |
| REG | Lead | 15.4 | MG/KG | * | J | I01 | |
| REG | Manganese | 479 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.3 | MG/KG | = | | | |
| REG | Silver | 0.24 | MG/KG | U | U | | |
| REG | Zinc | 68.2 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Demolition Area No. 2
Station: DA2so-013 Demolition Area No. 2 Soil Boring 13

Northing: 14056.00
Easting: 133232.00
Elevation:

DA2so-013-0603-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9610 | MG/KG | = | | | |
| REG | Arsenic | 15.9 | MG/KG | = | | | |
| REG | Barium | 130 | MG/KG | = | | | |
| REG | Cadmium | 1.8 | MG/KG | = | | | |
| REG | Chromium | 12.5 | MG/KG | = | | | |
| REG | Lead | 25.8 | MG/KG | = | | | |
| REG | Manganese | 321 | MG/KG | = | | | |
| REG | Mercury | 0.15 | MG/KG | = | | | |
| REG | Selenium | 0.7 | MG/KG | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 177 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 540 | UG/KG | P | J | M07,M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Collected: 08/08/96

DA2so-013-0604-SO 2.0 - 4.0 FT

Field Sample Type: Grab Matrix: Borehole Soil

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10300 | MG/KG | | | = | |
| REG | Arsenic | 18.7 | MG/KG | | | = | |
| REG | Barium | 93.1 | MG/KG | | | = | |
| REG | Cadmium | 2.8 | MG/KG | | | = | |
| REG | Chromium | 13.7 | MG/KG | | | = | |
| REG | Lead | 32.4 | MG/KG | | | = | |
| REG | Manganese | 653 | MG/KG | | | = | |
| REG | Mercury | 0.08 | MG/KG | | | = | |
| REG | Selenium | 0.35 | MG/KG | U | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 84.6 | MG/KG | | | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 2600 | UG/KG | | | = | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Northing: 14190.00
 Easting: 133232.00
 Elevation:

Location: Demolition Area No. 2
 Station: DA2so-014 Demolition Area No. 2 Soil Boring 14

DA2so-014-0605-SO 0.0 - 2.0 FT

Field Sample Type: Grab Matrix: Borehole Soil

Collected: 08/08/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8500 | MG/KG | | | = | |
| REG | Arsenic | 16.2 | MG/KG | | | = | |
| REG | Barium | 142 | MG/KG | | | = | |
| REG | Cadmium | 1.8 | MG/KG | | | = | |
| REG | Chromium | 11.7 | MG/KG | | | = | |
| REG | Lead | 24.9 | MG/KG | | | = | |
| REG | Manganese | 341 | MG/KG | | | = | |
| REG | Mercury | 0.28 | MG/KG | | | = | |
| REG | Selenium | 0.33 | MG/KG | U | U | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 180 | MG/KG | | | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 3500 | UG/KG | P | J | M07,M08 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-014-0606-SO 2.0 - 3.7 FT

Field Sample Type: Grab Matrix: Borehole Soil

Collected: 08/08/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 8600 | MG/KG | = | | |
| REG | Arsenic | 17 | MG/KG | = | | |
| REG | Barium | 80 | MG/KG | = | | |
| REG | Cadmium | 2.9 | MG/KG | = | | |
| REG | Chromium | 12.5 | MG/KG | = | | |
| REG | Lead | 29.2 | MG/KG | = | | |
| REG | Manganese | 373 | MG/KG | = | | |
| REG | Mercury | 1 | MG/KG | = | | |
| REG | Selenium | 0.34 | MG/KG | U | U | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 144 | MG/KG | = | | |

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

Location: Demolition Area No. 2
 Station : DA2so-015 Demolition Area No. 2 Soil Boring 15

Northing: 14307.00
 Easting: 133232.00
 Elevation:

DA2so-015-0607-SO 0.0 - 1.5 FT

Field Sample Type: Grab Matrix: Borehole Soil

Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 9890 | MG/KG | = | | |
| REG | Arsenic | 21.1 | MG/KG | = | | |
| REG | Barium | 43.8 | MG/KG | = | | |
| REG | Cadmium | 0.41 | MG/KG | B | J | F06 |
| REG | Chromium | 14.9 | MG/KG | E | J | E07 |
| REG | Lead | 13.4 | MG/KG | * | J | I01 |
| REG | Manganese | 378 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 1.3 | MG/KG | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 81.5 | MG/KG | = | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-015-0608-SO 3.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8470 | MG/KG | = | | | |
| REG | Arsenic | 20.7 | MG/KG | = | | | |
| REG | Barium | 29.9 | MG/KG | = | | | |
| REG | Cadmium | 0.31 | MG/KG | B | J | F06 | |
| REG | Chromium | 13.4 | MG/KG | E | J | E07 | |
| REG | Lead | 13.2 | MG/KG | * | J | I01 | |
| REG | Manganese | 364 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 76.7 | MG/KG | = | | | |
| | | | | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Demolition Area No. 2
Station: DA2so-016 Demolition Area No. 2 Soil Boring 16

Northing: 14288.00
Easting: 133115.00
Elevation:

DA2so-016-0609-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8020 | MG/KG | = | | | |
| REG | Arsenic | 17.2 | MG/KG | = | | | |
| REG | Barium | 36.5 | MG/KG | = | | | |
| REG | Cadmium | 0.44 | MG/KG | B | J | F06 | |
| REG | Chromium | 12.7 | MG/KG | E | J | E07 | |
| REG | Lead | 12.2 | MG/KG | * | J | I01 | |
| REG | Manganese | 295 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | |
| REG | Selenium | 0.86 | MG/KG | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 68.1 | MG/KG | = | | | |

DA2so-016-0610-SO 2.0 - 3.7 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10400 | MG/KG | = | | | |
| REG | Arsenic | 20.7 | MG/KG | = | | | |
| REG | Barium | 54.6 | MG/KG | = | | | |
| REG | Cadmium | 0.31 | MG/KG | B | J | F06 | |
| REG | Chromium | 15.8 | MG/KG | E | J | E07 | |
| REG | Lead | 13.4 | MG/KG | * | J | I01 | |
| REG | Manganese | 399 | MG/KG | = | | | |
| REG | Mercury | 0.28 | MG/KG | = | | | |
| REG | Selenium | 1.3 | MG/KG | = | | | |
| REG | Silver | 0.25 | MG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-016 Demolition Area No. 2 Soil Boring 16

Northing: 14288.00
 Easting: 133115.00
 Elevation:

DA2so-016-0610-SO 2.0 - 3.7 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Zinc | 77.6 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | UJ | P01 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 | |

Location: Demolition Area No. 2
 Station : DA2so-017 Demolition Area No. 2 Soil Boring 17

Northing: 14368.00
 Easting: 133646.00
 Elevation:

DA2so-017-0611-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9410 | MG/KG | * | = | | |
| REG | Arsenic | 11.1 | MG/KG | N | J | I02 | |
| REG | Barium | 70.8 | MG/KG | N* | J | I02 | |
| REG | Cadmium | 0.81 | MG/KG | * | J | I01 | |
| REG | Chromium | 10.8 | MG/KG | N* | J | I02 | |
| REG | Lead | 22.7 | MG/KG | * | = | | |
| REG | Manganese | 1120 | MG/KG | * | = | | |
| REG | Mercury | 0.12 | MG/KG | | = | | |
| REG | Selenium | 0.68 | MG/KG | N | J | I02 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 60.8 | MG/KG | * | J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-017-0612-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|--------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-017 Demolition Area No. 2 Soil Boring 17

Northing: 14368.00
 Easting: 133646.00
 Elevation:

DA2so-017-0612-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 12900 | MG/KG | * | = | | |
| REG | Arsenic | 12.5 | MG/KG | N | J | 102 | |
| REG | Barium | 40.7 | MG/KG | N* | J | 102 | |
| REG | Cadmium | 0.19 | MG/KG | B* | J | 101 | |
| REG | Chromium | 15.9 | MG/KG | N* | J | 102 | |
| REG | Lead | 11.1 | MG/KG | * | = | | |
| REG | Manganese | 132 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | | = | | |
| REG | Selenium | 0.56 | MG/KG | N | J | 102 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 45.8 | MG/KG | * | J | 101 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Demolition Area No. 2
 Station : DA2so-018 Demolition Area No. 2 Soil Boring 18

Northing: 14414.00
 Easting: 133524.00
 Elevation:

DA2so-018-0613-SO 0.0 - 0.8 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8330 | MG/KG | * | = | | |
| REG | Arsenic | 14.1 | MG/KG | N | J | 102 | |
| REG | Barium | 68.2 | MG/KG | N* | J | 102 | |
| REG | Cadmium | 0.57 | MG/KG | * | J | 101 | |
| REG | Chromium | 10.8 | MG/KG | N* | J | 102 | |
| REG | Lead | 25.7 | MG/KG | * | = | | |
| REG | Manganese | 997 | MG/KG | * | = | | |
| REG | Mercury | 0.09 | MG/KG | | = | | |
| REG | Selenium | 0.82 | MG/KG | N | J | 102 | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 60.1 | MG/KG | * | J | 101 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-018 Demolition Area No. 2 Soil Boring 18

Northing: 14414.00
 Easting: 133524.00
 Elevation:

DA2so-018-0613-SO 0.0 - 0.8 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.2 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-018-0614-SO 2.0 - 3.5 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.2 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | C05 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 6 | UG/KG | | = | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |

Location: Demolition Area No. 2
 Station : DA2so-019 Demolition Area No. 2 Soil Boring 19

Northing: 14414.00
 Easting: 133396.00
 Elevation:

DA2so-019-0615-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10800 | MG/KG | | = | | |
| REG | Arsenic | 12.9 | MG/KG | | = | | |
| REG | Barium | 73.3 | MG/KG | | = | | |
| REG | Cadmium | 0.99 | MG/KG | | = | | |
| REG | Chromium | 13.4 | MG/KG | | = | | |
| REG | Lead | 23.4 | MG/KG | | = | | |
| REG | Manganese | 569 | MG/KG | | = | | |
| REG | Mercury | 0.07 | MG/KG | | = | | |
| REG | Selenium | 0.48 | MG/KG | B | J | F06 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-019 Demolition Area No. 2 Soil Boring 19

Northing: 14414.00
 Easting: 133396.00
 Elevation:

DA2so-019-0615-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Zinc | 86.5 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-019-0616-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 15100 | MG/KG | * | = | | |
| REG | Arsenic | 13.6 | MG/KG | N | J | 102 | |
| REG | Barium | 89.9 | MG/KG | * | = | | |
| REG | Cadmium | 2.9 | MG/KG | | | | |
| REG | Chromium | 19.8 | MG/KG | * | = | | |
| REG | Lead | 41 | MG/KG | N | J | 102 | |
| REG | Manganese | 390 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | |
| REG | Selenium | 0.49 | MG/KG | B | J | F06 | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 70.4 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Demolition Area No. 2
 Station : DA2so-020 Demolition Area No. 2 Soil Boring 20

Northing: 14514.00
 Easting: 133359.00
 Elevation:

DA2so-020-0617-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|--------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-020 Demolition Area No. 2 Soil Boring 20

Northing: 14514.00
 Easting: 133359.00
 Elevation:

DA2so-020-0617-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------------|--|------------|
| Sample Type | Metals | Result | Units | Lab | Data | | Code |
| REG | Aluminum | 15600 | MG/KG | * | = | | |
| REG | Arsenic | 14.4 | MG/KG | N | J | | 102 |
| REG | Barium | 83 | MG/KG | * | = | | |
| REG | Cadmium | 0.25 | MG/KG | B | J | | F06 |
| REG | Chromium | 18.2 | MG/KG | * | = | | |
| REG | Lead | 19.7 | MG/KG | N | J | | 102 |
| REG | Manganese | 1010 | MG/KG | * | = | | |
| REG | Mercury | 0.07 | MG/KG | N* | = | | |
| REG | Selenium | 0.97 | MG/KG | | = | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 67 | MG/KG | | = | | |

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

DA2so-020-0618-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------------|--|------------|
| Sample Type | Metals | Result | Units | Lab | Data | | Code |
| REG | Aluminum | 11400 | MG/KG | * | = | | |
| REG | Arsenic | 14.9 | MG/KG | N | J | | 102 |
| REG | Barium | 77.1 | MG/KG | * | = | | |
| REG | Cadmium | 0.11 | MG/KG | B | J | | F06 |
| REG | Chromium | 15 | MG/KG | * | = | | |
| REG | Lead | 13.1 | MG/KG | N | J | | 102 |
| REG | Manganese | 353 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | |
| REG | Selenium | 0.72 | MG/KG | | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 54.8 | MG/KG | | = | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-021 Demolition Area No. 2 Soil Boring 21

Northing: 14396.00
 Easting: 133330.00
 Elevation:

DA2so-021-0619-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 10400 | MG/KG | = | | | | |
| REG | Arsenic | 20.8 | MG/KG | = | | | | |
| REG | Barium | 60 | MG/KG | = | | | | |
| REG | Cadmium | 0.34 | MG/KG | B | J | F06 | | |
| REG | Chromium | 15.4 | MG/KG | E | J | E07 | | |
| REG | Lead | 17.7 | MG/KG | * | J | I01 | | |
| REG | Manganese | 377 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 1.2 | MG/KG | = | | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 86.6 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

DA2so-021-0620-SO 2.0 - 3.2 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 9770 | MG/KG | = | | | | |
| REG | Arsenic | 20.3 | MG/KG | = | | | | |
| REG | Barium | 43.2 | MG/KG | = | | | | |
| REG | Cadmium | 0.26 | MG/KG | B | J | F06 | | |
| REG | Chromium | 15.1 | MG/KG | E | J | E07 | | |
| REG | Lead | 13.4 | MG/KG | * | J | I01 | | |
| REG | Manganese | 346 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 1.2 | MG/KG | = | | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 77.2 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-022 Demolition Area No. 2 Soil Boring 22

Northing: 14366.00
 Easting: 133218.00
 Elevation:

DA2so-022-0621-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Organic Vapor | 0.0 | PPM | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Air Temperature | 90 | DEG F | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9470 | MG/KG | = | | | |
| REG | Arsenic | 17.9 | MG/KG | = | | | |
| REG | Barium | 52.1 | MG/KG | = | | | |
| REG | Cadmium | 0.6 | MG/KG | = | | | |
| REG | Chromium | 13.9 | MG/KG | E | J | E07 | |
| REG | Lead | 14.6 | MG/KG | * | J | I01 | |
| REG | Manganese | 379 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | |
| REG | Selenium | 1.4 | MG/KG | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 70.4 | MG/KG | = | | | |

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

DA2so-022-0622-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10400 | MG/KG | = | | | |
| REG | Arsenic | 21.2 | MG/KG | = | | | |
| REG | Barium | 43.9 | MG/KG | = | | | |
| REG | Cadmium | 0.34 | MG/KG | B | J | F06 | |
| REG | Chromium | 15.6 | MG/KG | E | J | E07 | |
| REG | Lead | 13.3 | MG/KG | * | J | I01 | |
| REG | Manganese | 495 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.2 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 80.4 | MG/KG | = | | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-023 Demolition Area No. 2 Soil Boring 23

Northing: 14348.00
 Easting: 133104.00
 Elevation:

DA2so-023-0623-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10800 | MG/KG | * | = | | |
| REG | Arsenic | 18.4 | MG/KG | N | J | I02 | |
| REG | Barium | 64.9 | MG/KG | * | = | | |
| REG | Cadmium | 0.19 | MG/KG | B | J | F06 | |
| REG | Chromium | 13.7 | MG/KG | * | = | | |
| REG | Lead | 15.5 | MG/KG | N | J | I02 | |
| REG | Manganese | 305 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | |
| REG | Selenium | 0.64 | MG/KG | | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 67.2 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-023-0624-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 1.4 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8410 | MG/KG | * | = | | |
| REG | Arsenic | 18.4 | MG/KG | N | J | I02 | |
| REG | Barium | 63.7 | MG/KG | * | = | | |
| REG | Cadmium | 0.2 | MG/KG | B | J | F06 | |
| REG | Chromium | 11.9 | MG/KG | * | = | | |
| REG | Lead | 14.4 | MG/KG | N | J | I02 | |
| REG | Manganese | 1080 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | |
| REG | Selenium | 0.64 | MG/KG | | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 64 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-024 Demolition Area No. 2 Soil Boring 24

Northing: 14348.00
 Easting: 132989.00
 Elevation:

DA2so-024-0625-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 19900 | MG/KG | = | | | |
| REG | Arsenic | 12.7 | MG/KG | = | | | |
| REG | Barium | 106 | MG/KG | = | | | |
| REG | Cadmium | 0.42 | MG/KG | B | J | F06 | |
| REG | Chromium | 25.8 | MG/KG | = | | | |
| REG | Lead | 13.7 | MG/KG | = | | | |
| REG | Manganese | 247 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.4 | MG/KG | = | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 68.1 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-024-0626-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 8.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 14000 | MG/KG | = | | | |
| REG | Arsenic | 10.7 | MG/KG | = | | | |
| REG | Barium | 102 | MG/KG | = | | | |
| REG | Cadmium | 0.27 | MG/KG | B | J | F06 | |
| REG | Chromium | 19 | MG/KG | = | | | |
| REG | Lead | 11.1 | MG/KG | = | | | |
| REG | Manganese | 391 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.47 | MG/KG | B | J | F06 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 57.9 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-025 Demolition Area No. 2 Soil Boring 25

Northing: 14474.00
 Easting: 133009.00
 Elevation:

DA2so-025-0627-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 11600 | MG/KG | = | | | |
| REG | Arsenic | 12.4 | MG/KG | = | | | |
| REG | Barium | 64.4 | MG/KG | = | | | |
| REG | Cadmium | 0.43 | MG/KG | B | J | F06 | |
| REG | Chromium | 14 | MG/KG | = | | | |
| REG | Lead | 22.4 | MG/KG | = | | | |
| REG | Manganese | 841 | MG/KG | = | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | |
| REG | Selenium | 0.82 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 59.2 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-025-0628-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 14100 | MG/KG | = | | | |
| REG | Arsenic | 13.4 | MG/KG | = | | | |
| REG | Barium | 73.3 | MG/KG | = | | | |
| REG | Cadmium | 0.48 | MG/KG | B | J | F06 | |
| REG | Chromium | 16 | MG/KG | = | | | |
| REG | Lead | 23.3 | MG/KG | = | | | |
| REG | Manganese | 1030 | MG/KG | = | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | |
| REG | Selenium | 1.1 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 58.7 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-025-0630-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 16600 | MG/KG | = | | | | |
| REG | Arsenic | 12.3 | MG/KG | = | | | | |
| REG | Barium | 104 | MG/KG | = | | | | |
| REG | Cadmium | 0.53 | MG/KG | B | J | F06 | | |
| REG | Chromium | 21.9 | MG/KG | = | | | | |
| REG | Lead | 15.4 | MG/KG | = | | | | |
| REG | Manganese | 466 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.79 | MG/KG | = | | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 64.5 | MG/KG | = | | | | |

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

Location: Demolition Area No. 2
Station : DA2so-026 Demolition Area No. 2 Soil Boring 26

Northing: 14557.00
Eastng: 133056.00
Elevation:

DA2so-026-0631-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 16100 | MG/KG | = | | | | |
| REG | Arsenic | 13.2 | MG/KG | = | | | | |
| REG | Barium | 81.1 | MG/KG | = | | | | |
| REG | Cadmium | 0.54 | MG/KG | B | J | F06 | | |
| REG | Chromium | 19.2 | MG/KG | = | | | | |
| REG | Lead | 19.4 | MG/KG | = | | | | |
| REG | Manganese | 188 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.7 | MG/KG | = | | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 62.8 | MG/KG | = | | | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-026-0632-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 11800 | MG/KG | = | | | | |
| REG | Arsenic | 12.5 | MG/KG | = | | | | |
| REG | Barium | 62.9 | MG/KG | = | | | | |
| REG | Cadmium | 0.22 | MG/KG | B | J | F06 | | |
| REG | Chromium | 15.2 | MG/KG | = | | | | |
| REG | Lead | 10.3 | MG/KG | = | | | | |
| REG | Manganese | 364 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.35 | MG/KG | U | U | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 62.3 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Demolition Area No. 2
Station: DA2so-027 Demolition Area No. 2 Soil Boring 27Northing: 14591.00
Easting: 133191.00
Elevation:

DA2so-027-0633-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12200 | MG/KG | * | = | | | |
| REG | Arsenic | 14.2 | MG/KG | N | J | I02 | | |
| REG | Barium | 61.9 | MG/KG | * | = | | | |
| REG | Cadmium | 0.13 | MG/KG | B | J | F06 | | |
| REG | Chromium | 15.5 | MG/KG | * | = | | | |
| REG | Lead | 12.6 | MG/KG | N | J | I02 | | |
| REG | Manganese | 307 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | | |
| REG | Selenium | 0.35 | MG/KG | U | U | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 63.5 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

DA2so-027-0634-SO 2.0 - 3.5 FT

Field Sample Type: Grab Matrix: Borehole Soil

Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | | Validation Code | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.11 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 12700 | MG/KG | = | | | |
| REG | Antimony | 0.32 | MG/KG | U | U | | |
| REG | Arsenic | 11.6 | MG/KG | = | | | |
| REG | Barium | 77 | MG/KG | = | | | |
| REG | Beryllium | 0.71 | MG/KG | = | | | |
| REG | Cadmium | 0.11 | MG/KG | B | J | F06 | |
| REG | Calcium | 18400 | MG/KG | = | | | |
| REG | Chromium | 17.7 | MG/KG | = | | | |
| REG | Cobalt | 12.4 | MG/KG | = | | | |
| REG | Copper | 20.6 | MG/KG | = | | | |
| REG | Iron | 25900 | MG/KG | = | | | |
| REG | Lead | 11.5 | MG/KG | = | | | |
| REG | Magnesium | 5780 | MG/KG | = | | | |
| REG | Manganese | 391 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Nickel | 29.7 | MG/KG | = | | | |
| REG | Potassium | 1820 | MG/KG | = | | | |
| REG | Selenium | 0.32 | MG/KG | U | U | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 236 | MG/KG | B | J | F06 | |
| REG | Thallium | 1.2 | MG/KG | = | | | |
| REG | Vanadium | 20.5 | MG/KG | = | | | |
| REG | Zinc | 58.1 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 71 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 71 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endrin | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | UJ | C08 | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-027 Demolition Area No. 2 Soil Boring 27

Northing: 14591.00
 Easting: 133191.00
 Elevation:

DA2so-027-0634-SO 2.0 - 3.5 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | Qualifiers | | Validation |
|--------------------|-------------------------------|-----------------|-------|----------------|------------|--|-----------------|
| Sample Type | Pesticides and/or PCBs | Result | Units | Lab | Data | | Code |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | | C08 |
| REG | Toxaphene | 88 | UG/KG | U | U | | |
| | | | | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | | Validation Code |
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 850 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 850 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 850 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 850 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 850 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 850 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 850 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | |
| REG | Anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 350 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 350 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Carbazole | 350 | UG/KG | U | U | | |
| REG | Chrysene | 350 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Fluoranthene | 350 | UG/KG | U | U | | |
| REG | Fluorene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | UJ | | C05 |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | |
| REG | Isophorone | 350 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-027 Demolition Area No. 2 Soil Boring 27

Northing: 14591.00
 Easting: 133191.00
 Elevation:

DA2so-027-0634-SO 2.0 - 3.5 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | | 90 | DEG F | | Qualifiers | | Validation |
|--------------------|----------------------------|-----------------|-------|-----|-------|-----|------------|------|------------|
| Sample Type | Semi-Volatile Organics | Result | Units | Lab | Data | Lab | Data | Code | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | | | |
| REG | Pentachlorophenol | 850 | UG/KG | U | U | | | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | | | |
| REG | Phenol | 350 | UG/KG | U | U | | | | |
| REG | Pyrene | 350 | UG/KG | U | U | | | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation |
|-------------|---------------------------|--------|-------|------------|------|------------|
| | | | | Lab | Data | Code |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 2-Butanone | 5 | UG/KG | U | U | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | |
| REG | Acetone | 5 | UG/KG | U | UJ | C05 |
| REG | Benzene | 5 | UG/KG | U | U | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | |
| REG | Bromoform | 5 | UG/KG | U | U | |
| REG | Bromomethane | 5 | UG/KG | U | U | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 |
| REG | Chloroform | 5 | UG/KG | U | U | |
| REG | Chloromethane | 5 | UG/KG | U | U | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | |
| REG | Methylene Chloride | 5 | UG/KG | U | U | |
| REG | Styrene | 5 | UG/KG | U | U | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | |
| REG | Toluene | 170 | UG/KG | | = | |
| REG | Trichloroethene | 5 | UG/KG | U | U | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | |
| REG | o-Xylene | 5 | UG/KG | U | U | |

Location: Demolition Area No. 2
 Station : DA2so-028 Demolition Area No. 2 Soil Boring 28

Northing: 14494.00
 Easting: 133146.00
 Elevation:

DA2so-028-0635-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | | 90 | DEG F | | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-----|-------|-----|------------|------|------------|
| Sample Type | Metals | Result | Units | Lab | Data | Lab | Data | Code | |
| REG | Aluminum | 11900 | MG/KG | | = | | | | |
| REG | Arsenic | 19.5 | MG/KG | | = | | | | |
| REG | Barium | 73.1 | MG/KG | | = | | | | |
| REG | Cadmium | 0.47 | MG/KG | B | J | | | F06 | |
| REG | Chromium | 15.9 | MG/KG | | = | | | | |
| REG | Lead | 18.5 | MG/KG | | = | | | | |
| REG | Manganese | 368 | MG/KG | | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | | |
| REG | Selenium | 0.35 | MG/KG | B | J | | | F06 | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
Station : DA2so-028 Demolition Area No. 2 Soil Boring 28

Northing: 14494.00
Easting: 133146.00
Elevation:

DA2so-028-0635-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 76.9 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-028-0636-SO 2.0 - 3.5 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10800 | MG/KG | | = | | |
| REG | Arsenic | 23.3 | MG/KG | | = | | |
| REG | Barium | 49.3 | MG/KG | | = | | |
| REG | Cadmium | 0.17 | MG/KG | B | J | F06 | |
| REG | Chromium | 15.2 | MG/KG | | = | | |
| REG | Lead | 15.1 | MG/KG | | = | | |
| REG | Manganese | 369 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.61 | MG/KG | | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 69.1 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

DA2so-028-0637-FD 2.0 - 3.5 FT Field Sample Type: Field Duplicate Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10400 | MG/KG | | = | | |
| REG | Arsenic | 19.7 | MG/KG | | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-028 Demolition Area No. 2 Soil Boring 28

Northing: 14494.00
 Easting: 133146.00
 Elevation:

DA2so-028-0637-FD 2.0 - 3.5 FT Field Sample Type: Field Duplicate Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Barium | 44.9 | MG/KG | = | | |
| REG | Cadmium | 0.14 | MG/KG | B | J | F06 |
| REG | Chromium | 14.5 | MG/KG | = | | |
| REG | Lead | 12.6 | MG/KG | = | | |
| REG | Manganese | 403 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.54 | MG/KG | B | J | F06 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 63 | MG/KG | = | | |

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

Northing: 14411.00
 Easting: 133056.00
 Elevation:

Location: Demolition Area No. 2
 Station : DA2so-029 Demolition Area No. 2 Soil Boring 29

DA2so-029-0638-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 19800 | MG/KG | = | | |
| REG | Arsenic | 12.4 | MG/KG | = | | |
| REG | Barium | 117 | MG/KG | = | | |
| REG | Cadmium | 0.62 | MG/KG | = | | |
| REG | Chromium | 24.3 | MG/KG | = | | |
| REG | Lead | 17.2 | MG/KG | N | J | I02 |
| REG | Manganese | 462 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.7 | MG/KG | = | | |
| REG | Silver | 0.23 | MG/KG | U | U | |
| REG | Zinc | 65.1 | MG/KG | = | | |

DA2so-029-0639-SO 2.0 - 3.7 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 1.8 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 14300 | MG/KG | = | | |
| REG | Arsenic | 11 | MG/KG | = | | |
| REG | Barium | 83.5 | MG/KG | = | | |
| REG | Cadmium | 0.28 | MG/KG | B | J | F06 |
| REG | Chromium | 19.5 | MG/KG | = | | |
| REG | Lead | 12 | MG/KG | N | J | I02 |
| REG | Manganese | 337 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
Station : DA2so-029 Demolition Area No. 2 Soil Boring 29

Northing: 14411.00
Easting: 133056.00
Elevation:

DA2so-029-0639-SO 2.0 - 3.7 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG | F | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Selenium | 0.35 | MG/KG | U | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 59.5 | MG/KG | | = | | |

Location: Demolition Area No. 2
Station : DA2so-030 Demolition Area No. 2 Soil Boring 30

Northing: 14514.00
Easting: 133283.00
Elevation:

DA2so-030-0640-SO 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG | F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9050 | MG/KG | | = | | |
| REG | Arsenic | 14.7 | MG/KG | | = | | |
| REG | Barium | 27.1 | MG/KG | | = | | |
| REG | Cadmium | 0.17 | MG/KG | B | J | F06 | |
| REG | Chromium | 9.7 | MG/KG | | = | | |
| REG | Lead | 13.1 | MG/KG | N | J | I02 | |
| REG | Manganese | 321 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | |
| REG | Selenium | 0.69 | MG/KG | | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 57.9 | MG/KG | | = | | |

DA2so-030-0641-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG | F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10200 | MG/KG | | = | | |
| REG | Arsenic | 14.4 | MG/KG | | = | | |
| REG | Barium | 34.3 | MG/KG | | = | | |
| REG | Cadmium | 0.17 | MG/KG | B | J | F06 | |
| REG | Chromium | 11.2 | MG/KG | | = | | |
| REG | Lead | 13.3 | MG/KG | N | J | I06 | |
| REG | Manganese | 283 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | |
| REG | Selenium | 0.49 | MG/KG | B | J | F06 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 60.1 | MG/KG | | = | | |

DA2so-030-0642-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG | F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9770 | MG/KG | | = | | |
| REG | Arsenic | 19.5 | MG/KG | | = | | |
| REG | Barium | 56.1 | MG/KG | | = | | |
| REG | Cadmium | 0.32 | MG/KG | B | J | F06 | |
| REG | Chromium | 13.2 | MG/KG | | = | | |
| REG | Lead | 12.4 | MG/KG | N | J | I02 | |
| REG | Manganese | 191 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.78 | MG/KG | | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Demolition Area No. 2
 Station : DA2so-030 Demolition Area No. 2 Soil Boring 30

Northing: 14514.00
 Easting: 133283.00
 Elevation:

DA2so-030-0642-SO 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Borehole Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|--------|-----------------|--------|-------|---------------------|-----------------|--|
| | | Organic Vapor | 0.4 | PPM | | | |
| Sample Type | Metals | | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Zinc | | 59.2 | MG/KG | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station: LNWtr-001 Landfill North of Winklepeck Burning Grounds Trench

Northing: 18159.00
 Easting: 137178.00
 Elevation:

LNWtr-001-0393-SO 0.0 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.4 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.25 | MG/KG | BN | J | F06 | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7320 | MG/KG | = | | | |
| REG | Antimony | 0.31 | MG/KG | UN | UJ | I02 | |
| REG | Arsenic | 13 | MG/KG | N* | = | | |
| REG | Barium | 33.7 | MG/KG | = | | | |
| REG | Beryllium | 0.35 | MG/KG | = | | | |
| REG | Cadmium | 0.35 | MG/KG | B | J | F01 | |
| REG | Calcium | 1130 | MG/KG | = | | | |
| REG | Chromium | 10.5 | MG/KG | E | J | E07 | |
| REG | Cobalt | 8.6 | MG/KG | = | | | |
| REG | Copper | 32.2 | MG/KG | * | = | | |
| REG | Iron | 28400 | MG/KG | * | = | | |
| REG | Lead | 22.9 | MG/KG | * | = | | |
| REG | Magnesium | 2190 | MG/KG | = | | | |
| REG | Manganese | 328 | MG/KG | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Nickel | 17.4 | MG/KG | E | J | E07 | |
| REG | Potassium | 467 | MG/KG | B | J | F06 | |
| REG | Selenium | 1.9 | MG/KG | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 162 | MG/KG | B | J | F06 | |
| REG | Thallium | 2.4 | MG/KG | = | | | |
| REG | Vanadium | 11.1 | MG/KG | = | | | |
| REG | Zinc | 94.7 | MG/KG | * | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| DIL | 4,4'-DDD | 26 | UG/KG | U | U | | |
| DIL | 4,4'-DDE | 26 | UG/KG | U | UJ | C08 | |
| DIL | 4,4'-DDT | 26 | UG/KG | U | U | | |
| DIL | Aldrin | 14 | UG/KG | U | U | | |
| DIL | Alpha Chlordane | 14 | UG/KG | U | U | | |
| DIL | Alpha-BHC | 14 | UG/KG | U | U | | |
| DIL | Aroclor-1016 | 340 | UG/KG | U | U | | |
| DIL | Aroclor-1221 | 340 | UG/KG | U | U | | |
| DIL | Aroclor-1232 | 340 | UG/KG | U | U | | |
| DIL | Aroclor-1242 | 340 | UG/KG | U | U | | |
| DIL | Aroclor-1248 | 340 | UG/KG | U | U | | |
| DIL | Aroclor-1254 | 700 | UG/KG | U | U | | |
| DIL | Aroclor-1260 | 700 | UG/KG | U | U | | |
| DIL | Beta-BHC | 14 | UG/KG | U | UJ | C08 | |
| DIL | Delta-BHC | 14 | UG/KG | U | UJ | C08 | |
| DIL | Dieldrin | 26 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-001 Landfill North of Winklepeck Burning Grounds Trench

Northing: 18159.00
 Easting: 137178.00
 Elevation:

LNWtr-001-0393-SO 0.0 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| DIL | Endosulfan I | 14 | UG/KG | U | U | | |
| DIL | Endosulfan II | 26 | UG/KG | U | U | | |
| DIL | Endosulfan Sulfate | 26 | UG/KG | U | U | | |
| DIL | Endrin | 26 | UG/KG | U | U | | |
| DIL | Endrin Aldehyde | 26 | UG/KG | U | UJ | C08 | |
| DIL | Endrin Ketone | 26 | UG/KG | U | UJ | C08 | |
| DIL | Gamma Chlordane | 14 | UG/KG | U | U | | |
| DIL | Gamma-BHC (Lindane) | 14 | UG/KG | U | U | | |
| DIL | Heptachlor | 14 | UG/KG | U | U | | |
| DIL | Heptachlor Epoxide | 14 | UG/KG | U | U | | |
| DIL | Methoxychlor | 140 | UG/KG | U | U | | |
| DIL | Toxaphene | 860 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 4 | UG/KG | | J | C08 | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 830 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 830 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 830 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-001 Landfill North of Winklepeck Burning Grounds Trench

Northing: 18159.00
 Easting: 137178.00
 Elevation:

LNWtr-001-0393-SO 0.0 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 3,3'-Dichlorobenzidine | 830 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 830 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 830 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 830 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 40 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Carbazole | 340 | UG/KG | U | U | | |
| REG | Chrysene | 340 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Fluoranthene | 340 | UG/KG | U | U | | |
| REG | Fluorene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | | |
| REG | isophorone | 340 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 830 | UG/KG | U | U | | |
| REG | Phenanthrene | 340 | UG/KG | U | U | | |
| REG | Phenol | 340 | UG/KG | U | U | | |
| REG | Pyrene | 340 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,1,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Northing: 18159.00
 Easting: 137178.00
 Elevation:

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-001 Landfill North of Winklepeck Burning Grounds Trench

Collected: 08/05/96

LNWtr-001-0393-SO 0.0 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|----------------------|-----------------|---------|----------------|------|-----------------|-----|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Benzene | | 5 UG/KG | U | U | | |
| REG | Bromodichloromethane | | 5 UG/KG | U | U | | |
| REG | Bromoform | | 5 UG/KG | U | UJ | | C05 |
| REG | Bromomethane | | 5 UG/KG | U | U | | |
| REG | Carbon Disulfide | | 5 UG/KG | U | U | | |
| REG | Carbon Tetrachloride | | 5 UG/KG | U | U | | |
| REG | Chlorobenzene | | 5 UG/KG | U | UJ | | C02 |
| REG | Chloroethane | | 5 UG/KG | U | U | | |
| REG | Chloroform | | 5 UG/KG | U | U | | |
| REG | Chloromethane | | 5 UG/KG | U | U | | |
| REG | Dibromochloromethane | | 5 UG/KG | U | U | | |
| REG | Ethylbenzene | | 4 UG/KG | J | J | | |
| REG | Methylene Chloride | | 5 UG/KG | U | U | | |
| REG | Styrene | | 5 UG/KG | U | U | | |
| REG | Tetrachloroethene | | 5 UG/KG | U | U | | |
| REG | Toluene | | 5 UG/KG | U | U | | |
| REG | Trichloroethene | | 5 UG/KG | U | U | | |
| REG | Vinyl Chloride | | 5 UG/KG | U | U | | |
| REG | Xylenes, Total | | 5 UG/KG | U | U | | |
| REG | o-Xylene | | 5 UG/KG | U | U | | |

Northing: 17861.00
 Easting: 137463.00
 Elevation:

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-002 Landfill North of Winklepeck Burning Grounds Trench

Collected: 08/05/96

LNWtr-002-0396-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|-----|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.11 | MG/KG | UN | J | | F06 |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8510 | MG/KG | | = | | |
| REG | Antimony | 0.32 | MG/KG | UN | UJ | | I02 |
| REG | Arsenic | 11.5 | MG/KG | N* | = | | |
| REG | Barium | 33.9 | MG/KG | | = | | |
| REG | Beryllium | 0.41 | MG/KG | | = | | |
| REG | Cadmium | 0.18 | MG/KG | B | U | | F01 |
| REG | Calcium | 845 | MG/KG | | = | | |
| REG | Chromium | 9.5 | MG/KG | E | J | | E07 |
| REG | Chromium | 7.1 | MG/KG | | = | | |
| REG | Cobalt | 20.3 | MG/KG | * | = | | |
| REG | Copper | 18900 | MG/KG | * | = | | |
| REG | Iron | 13.2 | MG/KG | * | = | | |
| REG | Lead | 1870 | MG/KG | | = | | |
| REG | Magnesium | 332 | MG/KG | | = | | |
| REG | Manganese | 0.04 | MG/KG | U | = | | |
| REG | Mercury | 14 | MG/KG | E | J | | E07 |
| REG | Nickel | 611 | MG/KG | | = | | |
| REG | Potassium | 1.2 | MG/KG | | = | | |
| REG | Selenium | 0.2 | MG/KG | U | = | | |
| REG | Silver | 194 | MG/KG | B | = | | |
| REG | Sodium | 1.7 | MG/KG | | = | | |
| REG | Thallium | 14 | MG/KG | | = | | |
| REG | Vanadium | 55 | MG/KG | * | = | | |
| REG | Zinc | | | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-002 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17861.00
 Easting: 137463.00
 Elevation:

LNWtr-002-0396-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| DIL | 4,4'-DDD | 26 | UG/KG | U | U | | |
| DIL | 4,4'-DDE | 26 | UG/KG | U | UJ | C08 | |
| DIL | 4,4'-DDT | 26 | UG/KG | U | U | | |
| DIL | Aldrin | 14 | UG/KG | U | U | | |
| DIL | Alpha Chlordane | 14 | UG/KG | U | U | | |
| DIL | Alpha-BHC | 14 | UG/KG | U | U | | |
| DIL | Aroclor-1016 | 350 | UG/KG | U | U | | |
| DIL | Aroclor-1221 | 350 | UG/KG | U | U | | |
| DIL | Aroclor-1232 | 350 | UG/KG | U | U | | |
| DIL | Aroclor-1242 | 350 | UG/KG | U | U | | |
| DIL | Aroclor-1248 | 350 | UG/KG | U | U | | |
| DIL | Aroclor-1254 | 710 | UG/KG | U | U | | |
| DIL | Aroclor-1260 | 710 | UG/KG | U | U | | |
| DIL | Beta-BHC | 14 | UG/KG | U | UJ | C08 | |
| DIL | Delta-BHC | 14 | UG/KG | U | UJ | C08 | |
| DIL | Dieldrin | 26 | UG/KG | U | U | | |
| DIL | Endosulfan I | 14 | UG/KG | U | U | | |
| DIL | Endosulfan II | 26 | UG/KG | U | U | | |
| DIL | Endosulfan Sulfate | 26 | UG/KG | U | U | | |
| DIL | Endrin | 26 | UG/KG | U | U | | |
| DIL | Endrin Aldehyde | 26 | UG/KG | U | UJ | C08 | |
| DIL | Endrin Ketone | 26 | UG/KG | U | UJ | C08 | |
| DIL | Gamma Chlordane | 14 | UG/KG | U | U | | |
| DIL | Gamma-BHC (Lindane) | 14 | UG/KG | U | U | | |
| DIL | Heptachlor | 14 | UG/KG | U | U | | |
| DIL | Heptachlor Epoxide | 14 | UG/KG | U | U | | |
| DIL | Methoxychlor | 140 | UG/KG | U | U | | |
| DIL | Toxaphene | 880 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | R | C08,G04 | |
| REG | 4,4'-DDE | 110 | UG/KG | PE | J | M03,M07,G04 | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08,G04 | |
| REG | Aldrin | 1.4 | UG/KG | U | R | G04 | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | UJ | C08,G04 | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | R | G04 | |
| REG | Aroclor-1016 | 35 | UG/KG | U | UJ | C08,G04 | |
| REG | Aroclor-1221 | 35 | UG/KG | U | UJ | C08,G04 | |
| REG | Aroclor-1232 | 35 | UG/KG | U | UJ | C08,G04 | |
| REG | Aroclor-1242 | 35 | UG/KG | U | UJ | C08,G04 | |
| REG | Aroclor-1248 | 35 | UG/KG | U | UJ | C08,G04 | |
| REG | Aroclor-1254 | 71 | UG/KG | U | UJ | C08,G04 | |
| REG | Aroclor-1260 | 71 | UG/KG | U | UJ | C08,G04 | |
| REG | Beta-BHC | 1.4 | UG/KG | U | R | G04 | |
| REG | Delta-BHC | 4.9 | UG/KG | U | J | G04 | |
| REG | Dieldrin | 2.6 | UG/KG | U | R | G04 | |
| REG | Endosulfan I | 1.4 | UG/KG | U | R | G04 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-002 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17861.00
 Easting: 137463.00
 Elevation:

Collected: 08/05/96

LNWtr-002-0396-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Endosulfan II | 2.6 | UG/KG | U | R | G04 | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | R | G04 | |
| REG | Endrin | 2.6 | UG/KG | U | R | G04 | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | UJ | C08,G04 | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | UJ | C08,G04 | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | UJ | C08,G04 | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | R | G04 | |
| REG | Heptachlor | 1.4 | UG/KG | U | R | G04 | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | R | G04 | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08,G04 | |
| REG | Toxaphene | 88 | UG/KG | U | UJ | C08,G04 | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-------------------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 860 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 860 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 860 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 860 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 860 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 860 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 860 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | |
| REG | Anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 350 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 350 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Carbazole | 350 | UG/KG | U | U | | |
| REG | Chrysene | 350 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Fluoranthene | 350 | UG/KG | U | U | | |
| REG | Fluorene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-002 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17861.00
 Easting: 137463.00
 Elevation:

LNWtr-002-0396-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | U | | |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | |
| REG | Isophorone | 350 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 860 | UG/KG | U | U | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | |
| REG | Phenol | 350 | UG/KG | U | U | | |
| REG | Pyrene | 350 | UG/KG | U | U | | |

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

LNWtr-002-0397-SO 1.5 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|-----|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.14 | MG/KG | BN | J | | F06 |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8590 | MG/KG | | = | | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-002 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17861.00
 Easting: 137463.00
 Elevation:

LNWtr-002-0397-SO 1.5 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------|------------|------|------------|
| Sample Type | Metals | Result | Units | Lab | Data | Lab | Data | Code |
| REG | Antimony | 0.32 | MG/KG | UN | UJ | | | 102 |
| REG | Arsenic | 10 | MG/KG | N* | = | | | |
| REG | Barium | 46.9 | MG/KG | | = | | | |
| REG | Beryllium | 0.42 | MG/KG | | = | | | |
| REG | Cadmium | 0.52 | MG/KG | B | J | | | F01 |
| REG | Calcium | 1740 | MG/KG | | = | | | |
| REG | Chromium | 10.6 | MG/KG | E | J | | | E07 |
| REG | Cobalt | 7.2 | MG/KG | | = | | | |
| REG | Copper | 30.5 | MG/KG | * | = | | | |
| REG | Iron | 19300 | MG/KG | * | = | | | |
| REG | Lead | 28.4 | MG/KG | * | = | | | |
| REG | Magnesium | 1870 | MG/KG | | = | | | |
| REG | Manganese | 338 | MG/KG | | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Nickel | 15.2 | MG/KG | E | J | | | E07 |
| REG | Potassium | 597 | MG/KG | | = | | | |
| REG | Selenium | 1.1 | MG/KG | | = | | | |
| REG | Silver | 0.22 | MG/KG | B | J | | | F06 |
| REG | Sodium | 197 | MG/KG | B | J | | | F06 |
| REG | Thallium | 1.7 | MG/KG | | = | | | |
| REG | Vanadium | 13.9 | MG/KG | | = | | | |
| REG | Zinc | 212 | MG/KG | * | = | | | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation |
|-------------|------------------------|--------|-------|------------|------|------------|
| Sample Type | Pesticides and/or PCBs | Result | Units | Lab | Data | Code |
| DIL | 4,4'-DDD | 62 | UG/KG | D | J | G01 |
| DIL | 4,4'-DDE | 27 | UG/KG | U | UJ | C08 |
| DIL | 4,4'-DDT | 40 | UG/KG | DP | J | M08,G01 |
| DIL | Aldrin | 14 | UG/KG | U | U | |
| DIL | Alpha Chlordane | 14 | UG/KG | U | U | |
| DIL | Alpha-BHC | 14 | UG/KG | U | U | |
| DIL | Aroclor-1016 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1221 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1232 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1242 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1248 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1254 | 730 | UG/KG | U | U | |
| DIL | Aroclor-1260 | 730 | UG/KG | U | U | |
| DIL | Beta-BHC | 14 | UG/KG | U | UJ | C08 |
| DIL | Delta-BHC | 14 | UG/KG | U | UJ | C08 |
| DIL | Dieldrin | 27 | UG/KG | U | U | |
| DIL | Endosulfan I | 14 | UG/KG | U | U | |
| DIL | Endosulfan II | 27 | UG/KG | U | U | |
| DIL | Endosulfan Sulfate | 27 | UG/KG | U | U | |
| DIL | Endrin | 27 | UG/KG | U | U | |
| DIL | Endrin Aldehyde | 27 | UG/KG | U | UJ | C08 |
| DIL | Endrin Ketone | 27 | UG/KG | U | UJ | C08 |
| DIL | Gamma Chlordane | 14 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-002 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17861.00
 Easting: 137463.00
 Elevation:

LNWtr-002-0397-SO 1.5 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| DIL | Gamma-BHC (Lindane) | 14 | UG/KG | U | U | | |
| DIL | Heptachlor | 14 | UG/KG | U | U | | |
| DIL | Heptachlor Epoxide | 14 | UG/KG | U | U | | |
| DIL | Methoxychlor | 140 | UG/KG | U | U | | |
| DIL | Toxaphene | 900 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 62 | UG/KG | D | J | G01 | |
| REG | 4,4'-DDE | 19 | UG/KG | P | J | M08 | |
| REG | 4,4'-DDT | 37 | UG/KG | P | J | C08,M08 | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 73 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 73 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | U | | |
| REG | Endrin | 2.7 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.7 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 90 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| 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 | 870 | 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 | 870 | 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 | 870 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 360 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 870 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 870 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 360 | 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 | 870 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Northing: 17861.00
 Easting: 137463.00
 Elevation:

Location: Landfill North of Winklepeck Burning Ground
 Station: LNWtr-002 Landfill North of Winklepeck Burning Grounds Trench

Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | Qualifiers | | Validation |
|--------------------|----------------------------|---------------------|--------|------------|-----|------------|------|------------|
| Sample Type | Field Sample Type: Grab | Matrix: Trench Soil | Result | Units | Lab | Data | Code | |
| REG | 4-Nitrophenol | | 870 | 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 | | 360 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | | 360 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | | 360 | UG/KG | U | U | | |
| 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 | | 86 | UG/KG | J | J | | |
| 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 | | 360 | UG/KG | U | U | | |
| 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 | | 360 | UG/KG | U | U | | |
| 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 | Pentachlorophenol | | 870 | UG/KG | U | U | | |
| REG | Phenanthrene | | 360 | UG/KG | U | U | | |
| REG | Phenol | | 360 | UG/KG | U | U | | |
| REG | Pyrene | | 360 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation | | |
| REA | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,1,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 | | |
| REA | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 2-Butanone | 5 | UG/KG | U | UJ | G02,K01 | | |
| REA | 2-Hexanone | 5 | UG/KG | U | UJ | G02,K01 | | |
| REA | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02 | | |
| REA | Acetone | 5 | UG/KG | U | UJ | G02 | | |
| REA | Benzene | 5 | UG/KG | U | UJ | G02 | | |
| REA | Bromodichloromethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | Bromoform | 5 | UG/KG | U | UJ | C05,G02 | | |
| REA | Bromomethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | Carbon Disulfide | 5 | UG/KG | U | UJ | G02 | | |
| REA | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02,K01 | | |
| REA | Chlorobenzene | 5 | UG/KG | U | UJ | C02,G02 | | |
| REA | Chloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | Chloroform | 5 | UG/KG | U | UJ | G02 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-002 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17861.00
 Easting: 137463.00
 Elevation:

LNWtr-002-0397-SO 1.5 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|----------------------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REA | Chloromethane | 5 | UG/KG | U | UJ | G02 | |
| REA | Dibromochloromethane | 5 | UG/KG | U | UJ | G02 | |
| REA | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REA | Methylene Chloride | 6 | UG/KG | | J | G02 | |
| REA | Styrene | 5 | UG/KG | U | UJ | G02,K01 | |
| REA | Tetrachloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REA | Toluene | 5 | UG/KG | U | UJ | G02,K01 | |
| REA | Trichloroethene | 5 | UG/KG | U | UJ | G02 | |
| REA | Vinyl Chloride | 5 | UG/KG | U | UJ | G02 | |
| REA | Xylenes, Total | 5 | UG/KG | U | UJ | G02,K01 | |
| REA | o-Xylene | 5 | UG/KG | U | UJ | G02,K01 | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 | |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | C05,K01 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 | |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Methylene Chloride | 5 | UG/KG | U | UJ | K01 | |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | Toluene | 5 | UG/KG | U | UJ | K01 | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 | |

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0399-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|---------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.1 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0399-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7870 | MG/KG | | = | | |
| REG | Antimony | 0.3 | MG/KG | U | U | | |
| REG | Arsenic | 12.7 | MG/KG | | = | | |
| REG | Barium | 37.1 | MG/KG | | = | | |
| REG | Beryllium | 0.42 | MG/KG | | = | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | |
| REG | Calcium | 910 | MG/KG | | = | | |
| REG | Chromium | 9.9 | MG/KG | | = | | |
| REG | Cobalt | 7.2 | MG/KG | | = | | |
| REG | Copper | 23.1 | MG/KG | | = | | |
| REG | Iron | 17800 | MG/KG | | = | | |
| REG | Lead | 13 | MG/KG | | = | | |
| REG | Magnesium | 1880 | MG/KG | | = | | |
| REG | Manganese | 252 | MG/KG | | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Nickel | 13.5 | MG/KG | | = | | |
| REG | Potassium | 656 | MG/KG | | = | | |
| REG | Selenium | 0.6 | MG/KG | | = | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Sodium | 166 | MG/KG | B | J | F06 | |
| REG | Thallium | 1.1 | MG/KG | | = | | |
| REG | Vanadium | 14.4 | MG/KG | | = | | |
| REG | Zinc | 44.6 | MG/KG | | = | | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 2.5 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 2.5 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | P | J | M08 |
| REG | Aldrin | 1.3 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | |
| REG | Aroclor-1016 | 33 | UG/KG | U | U | |
| REG | Aroclor-1221 | 33 | UG/KG | U | U | |
| REG | Aroclor-1232 | 33 | UG/KG | U | U | |
| REG | Aroclor-1242 | 33 | UG/KG | U | U | |
| REG | Aroclor-1248 | 33 | UG/KG | U | U | |
| REG | Aroclor-1254 | 68 | UG/KG | U | U | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | |
| REG | Dieldrin | 2.5 | UG/KG | U | U | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | |
| REG | Endosulfan II | 2.5 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.5 | UG/KG | U | U | |
| REG | Endrin | 2.5 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.5 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
Easting: 137104.00
Elevation:

LNWtr-003-0399-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-----------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Endrin Ketone | | 2.5 UG/KG | U | U | | |
| REG | Gamma Chlordane | | 1.3 UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | | 1.3 UG/KG | U | U | | |
| REG | Heptachlor | | 1.3 UG/KG | U | U | | |
| REG | Heptachlor Epoxide | | 1.3 UG/KG | U | U | | |
| REG | Methoxychlor | | 13 UG/KG | U | U | | |
| REG | Toxaphene | | 84 UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | | 330 UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | | 330 UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | | 330 UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | | 330 UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | | 330 UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | | 810 UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | | 330 UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | | 330 UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | | 330 UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | | 810 UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | | 330 UG/KG | U | U | | |
| REG | 2-Chlorophenol | | 330 UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | | 330 UG/KG | U | U | | |
| REG | 2-Methylphenol | | 330 UG/KG | U | U | | |
| REG | 2-Nitroaniline | | 810 UG/KG | U | U | | |
| REG | 2-Nitrophenol | | 330 UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | | 810 UG/KG | U | U | | |
| REG | 3-Nitroaniline | | 810 UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | | 330 UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | | 330 UG/KG | U | U | | |
| REG | 4-Chloroaniline | | 330 UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | | 330 UG/KG | U | U | | |
| REG | 4-Methylphenol | | 330 UG/KG | U | U | | |
| REG | 4-Nitroaniline | | 810 UG/KG | U | U | | |
| REG | 4-Nitrophenol | | 810 UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | | 330 UG/KG | U | U | | |
| REG | Acenaphthene | | 330 UG/KG | U | U | | |
| REG | Acenaphthylene | | 330 UG/KG | U | U | | |
| REG | Anthracene | | 330 UG/KG | U | U | | |
| REG | Benzo(a)anthracene | | 330 UG/KG | U | U | | |
| REG | Benzo(a)pyrene | | 330 UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | | 330 UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | | 330 UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | | 330 UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | | 330 UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | | 330 UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | | 37 UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | | 330 UG/KG | U | U | | |
| REG | Carbazole | | 330 UG/KG | U | U | | |
| REG | Chrysene | | 330 UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | | 330 UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | | 330 UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | | 330 UG/KG | U | U | | |
| REG | Dibenzofuran | | 330 UG/KG | U | U | | |
| REG | Diethyl Phthalate | | 330 UG/KG | U | U | | |
| REG | Dimethyl Phthalate | | 330 UG/KG | U | U | | |
| REG | Fluoranthene | | 330 UG/KG | U | U | | |
| REG | Fluorene | | 330 UG/KG | U | U | | |
| REG | Hexachlorobenzene | | 330 UG/KG | U | U | | |
| REG | Hexachlorobutadiene | | 330 UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | | 330 UG/KG | U | U | | |
| REG | Hexachloroethane | | 330 UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | | 330 UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0399-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Isophorone | 330 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 330 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 330 | UG/KG | U | U | | | |
| REG | Naphthalene | 330 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 810 | UG/KG | U | U | | | |
| REG | Phenanthrene | 330 | UG/KG | U | U | | | |
| REG | Phenol | 330 | UG/KG | U | U | | | |
| REG | Pyrene | 330 | UG/KG | U | U | | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|--|--|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | | |
| REG | Acetone | 5 | UG/KG | U | U | | | |
| REG | Benzene | 5 | UG/KG | U | U | | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | | |
| REG | Bromoform | 5 | UG/KG | U | UJ | C05 | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | | |
| REG | Chloroform | 5 | UG/KG | U | U | | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | | |
| REG | Methylene Chloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Toluene | 5 | UG/KG | U | U | | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 | | |

LNWtr-003-0400-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.14 | MG/KG | B | J | F06 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 11200 | MG/KG | | = | | | |
| REG | Antimony | 1.3 | MG/KG | | = | | | |
| REG | Arsenic | 18.5 | MG/KG | | = | | | |
| REG | Barium | 52.6 | MG/KG | | = | | | |
| REG | Beryllium | 0.53 | MG/KG | | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0400-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | | |
| REG | Calcium | 1390 | MG/KG | = | | | | |
| REG | Chromium | 12.8 | MG/KG | = | | | | |
| REG | Cobalt | 9 | MG/KG | = | | | | |
| REG | Copper | 31.9 | MG/KG | = | | | | |
| REG | Iron | 24000 | MG/KG | = | | | | |
| REG | Lead | 21 | MG/KG | = | | | | |
| REG | Magnesium | 2470 | MG/KG | = | | | | |
| REG | Manganese | 317 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Nickel | 19.3 | MG/KG | = | | | | |
| REG | Potassium | 876 | MG/KG | = | | | | |
| REG | Selenium | 0.52 | MG/KG | B | J | F06 | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 184 | MG/KG | B | J | F06 | | |
| REG | Thallium | 1.4 | MG/KG | = | | | | |
| REG | Vanadium | 16.1 | MG/KG | = | | | | |
| REG | Zinc | 123 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | 4,4'-DDE | 3.4 | UG/KG | = | | | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 87 | UG/KG | P | J | M08 | | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.7 | UG/KG | P | J | M08 | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.6 | UG/KG | P | J | M08 | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0400-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Methoxychlor | 14 | UG/KG | U | U | | | |
| REG | Toxaphene | 87 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 130 | UG/KG | J | J | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 840 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 840 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 840 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 840 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 840 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 840 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 840 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | | |
| REG | Anthracene | 350 | UG/KG | U | U | | | |
| REG | Benzo(a)anthracene | 350 | UG/KG | U | U | | | |
| REG | Benzo(a)pyrene | 350 | UG/KG | U | U | | | |
| REG | Benzo(b)fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | U | U | | | |
| REG | Benzo(k)fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 100 | UG/KG | J | J | | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Carbazole | 350 | UG/KG | U | U | | | |
| REG | Chrysene | 350 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Fluorene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | U | | | |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | | |
| REG | Isophorone | 350 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 840 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0400-SO 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | |
| REG | Phenol | 350 | UG/KG | U | U | | |
| REG | Pyrene | 350 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| DIL | 1,1,1-Trichloroethane | 10 | UG/KG | U | U | | |
| DIL | 1,1,2,2-Tetrachloroethane | 10 | UG/KG | U | U | | |
| DIL | 1,1,2-Trichloroethane | 10 | UG/KG | U | U | | |
| DIL | 1,1-Dichloroethane | 10 | UG/KG | U | U | | |
| DIL | 1,1-Dichloroethene | 10 | UG/KG | U | U | | |
| DIL | 1,2-Dichloroethane | 10 | UG/KG | U | U | | |
| DIL | 1,2-Dichloropropane | 10 | UG/KG | U | U | | |
| DIL | 1,2-cis-Dichloroethene | 10 | UG/KG | U | U | | |
| DIL | 1,2-trans-Dichloroethene | 10 | UG/KG | U | U | | |
| DIL | 1,3-cis-Dichloropropene | 10 | UG/KG | U | U | | |
| DIL | 1,3-trans-Dichloropropene | 10 | UG/KG | U | U | | |
| DIL | 2-Butanone | 10 | UG/KG | U | U | | |
| DIL | 2-Hexanone | 10 | UG/KG | U | U | | |
| DIL | 4-Methyl-2-pentanone | 10 | UG/KG | U | U | | |
| DIL | Acetone | 10 | UG/KG | U | U | | |
| DIL | Benzene | 10 | UG/KG | U | U | | |
| DIL | Bromodichloromethane | 10 | UG/KG | U | U | | |
| DIL | Bromoform | 10 | UG/KG | U | U | | |
| DIL | Bromomethane | 10 | UG/KG | U | UJ | C05 | |
| DIL | Carbon Disulfide | 10 | UG/KG | U | U | | |
| DIL | Carbon Tetrachloride | 10 | UG/KG | U | U | | |
| DIL | Chlorobenzene | 150 | UG/KG | D | = | | |
| DIL | Chloroethane | 10 | UG/KG | U | UJ | C02 | |
| DIL | Chloroform | 10 | UG/KG | U | U | | |
| DIL | Chloromethane | 10 | UG/KG | U | U | | |
| DIL | Dibromochloromethane | 10 | UG/KG | U | U | | |
| DIL | Ethylbenzene | 10 | UG/KG | U | U | | |
| DIL | Methylene Chloride | 19 | UG/KG | D | = | | |
| DIL | Styrene | 10 | UG/KG | U | U | | |
| DIL | Tetrachloroethene | 10 | UG/KG | U | U | | |
| DIL | Toluene | 10 | UG/KG | U | U | | |
| DIL | Trichloroethene | 10 | UG/KG | U | U | | |
| DIL | Vinyl Chloride | 10 | UG/KG | U | U | | |
| DIL | Xylenes, Total | 10 | UG/KG | U | U | | |
| DIL | o-Xylene | 10 | UG/KG | U | U | | |

LNWtr-003-0402-FD 1.0 - 3.0 FT Field Sample Type: Field Duplicate Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.43 | MG/KG | B | J | F06 | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9250 | MG/KG | | = | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | |
| REG | Arsenic | 7.4 | MG/KG | | = | | |
| REG | Barium | 49.5 | MG/KG | | = | | |
| REG | Beryllium | 0.49 | MG/KG | | = | | |
| REG | Cadmium | 0.14 | MG/KG | B | J | F06 | |
| REG | Calcium | 3280 | MG/KG | | = | | |
| REG | Chromium | 12.5 | MG/KG | | = | | |
| REG | Cobalt | 9.3 | MG/KG | | = | | |
| REG | Copper | 19.6 | MG/KG | | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0402-FD 1.0 - 3.0 FT Field Sample Type: Field Duplicate Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | | 75 | | DEG F | | Qualifiers | | Validation |
|--------------------|------------------------|-----------------|-------|-----|------|-------|--|------------|------|------------|
| Sample Type | Metals | Result | Units | Lab | Data | | | | Code | |
| REG | Iron | 24200 | MG/KG | = | | | | | | |
| REG | Lead | 13.2 | MG/KG | = | | | | | | |
| REG | Magnesium | 2820 | MG/KG | = | | | | | | |
| REG | Manganese | 233 | MG/KG | = | | | | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | | | |
| REG | Nickel | 17.3 | MG/KG | = | | | | | | |
| REG | Potassium | 1100 | MG/KG | = | | | | | | |
| REG | Selenium | 0.58 | MG/KG | = | | | | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | | | | |
| REG | Sodium | 200 | MG/KG | B | J | | | F06 | | |
| REG | Thallium | 1 | MG/KG | = | | | | | | |
| REG | Vanadium | 14.5 | MG/KG | = | | | | | | |
| REG | Zinc | 77.1 | MG/KG | = | | | | | | |
| Sample Type | Explosives | Result | Units | Lab | Data | | | | Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | | | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Lab | Data | | | | Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | | | C08 | | |
| REG | 4,4'-DDE | 6.5 | UG/KG | = | | | | | | |
| REG | 4,4'-DDT | 4.6 | UG/KG | P | J | | | M08 | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | | | |
| REG | Alpha Chlordane | 2.2 | UG/KG | P | J | | | M08 | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | | | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | | | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | | | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | | | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | | | | |
| REG | Aroclor-1254 | 180 | UG/KG | | J | | | M08 | | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | | | | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | | | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | | | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | | | |
| REG | Gamma Chlordane | 2.2 | UG/KG | P | J | | | M08 | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | | | |
| REG | Heptachlor | 3.7 | UG/KG | = | | | | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | | | | |
| REG | Toxaphene | 85 | UG/KG | U | U | | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Lab | Data | | | | Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | | | | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0402-FD 1.0 - 3.0 FT Field Sample Type: Field Duplicate Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | Qualifiers | | Validation |
|--------------------|-------------------------------|-----------------|-------|----------------|------------|-----------------|------------|
| Sample Type | Semi-Volatile Organics | Result | Units | Lab | Data | Code | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 270 | UG/KG | J | J | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 68 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Carbazole | 340 | UG/KG | U | U | | |
| REG | Chrysene | 340 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Fluoranthene | 340 | UG/KG | U | U | | |
| REG | Fluorene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | |
| REG | indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | | |
| REG | Isophorone | 340 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | | |
| REG | Phenanthrene | 340 | UG/KG | U | U | | |
| REG | Phenol | 340 | UG/KG | U | U | | |
| REG | Pyrene | 340 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-003 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17880.00
 Easting: 137104.00
 Elevation:

LNWtr-003-0402-FD 1.0 - 3.0 FT Field Sample Type: Field Duplicate Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | Qualifiers | | Validation |
|--------------------|---------------------------|-----------------|-------|-------|------------|--|------------|
| Sample Type | Volatile Organics | Result | Units | Lab | Data | | Code |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 70 | UG/KG | | J | | C02,C05 |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | | C05 |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 260 | UG/KG | D | = | | C02 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | | |
| REG | Chloroform | 5 | UG/KG | U | U | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 5 | UG/KG | U | U | | |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-004 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17917.00
 Easting: 137097.00
 Elevation:

LNWtr-004-0404-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | Qualifiers | | Validation |
|--------------------|---------|-----------------|-------|-------|------------|--|------------|
| Sample Type | Cyanide | Result | Units | Lab | Data | | Code |
| REG | Cyanide | 0.11 | MG/KG | U | U | | |

| Sample Type | Metals | Result | Units | Lab | Data | | Validation Code |
|-------------|-----------|--------|-------|-----|------|--|-----------------|
| REG | Aluminum | 10500 | MG/KG | | = | | |
| REG | Antimony | 0.32 | MG/KG | U | U | | |
| REG | Arsenic | 12.7 | MG/KG | | = | | |
| REG | Barium | 53.1 | MG/KG | | = | | |
| REG | Beryllium | 0.52 | MG/KG | | = | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | |
| REG | Calcium | 1480 | MG/KG | | = | | |
| REG | Chromium | 13.1 | MG/KG | | = | | |
| REG | Cobalt | 8.7 | MG/KG | | = | | |
| REG | Copper | 17.9 | MG/KG | | = | | |
| REG | Iron | 22200 | MG/KG | | = | | |
| REG | Lead | 11.7 | MG/KG | | = | | |
| REG | Magnesium | 2610 | MG/KG | | = | | |
| REG | Manganese | 283 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Nickel | 18.9 | MG/KG | | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-004 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17917.00
 Easting: 137097.00
 Elevation:

LNWtr-004-0404-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 86 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Potassium | 942 | MG/KG | = | | | |
| REG | Selenium | 0.65 | MG/KG | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 174 | MG/KG | B | J | F06 | |
| REG | Thallium | 1.1 | MG/KG | = | | | |
| REG | Vanadium | 17.5 | MG/KG | = | | | |
| REG | Zinc | 55.3 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | U | | |
| REG | Toxaphene | 87 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-004 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17917.00
 Easting: 137097.00
 Elevation:

Collected: 08/06/96

LNWtr-004-0404-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil

| Field Measurements | | Air Temperature | 86 | DEG F | | | |
|--------------------|----------------------------|-----------------|---------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 2,4,5-Trichlorophenol | 840 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 840 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 840 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 840 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 840 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 840 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 840 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | |
| REG | Anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 350 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 350 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Carbazole | 350 | UG/KG | U | U | | |
| REG | Chrysene | 350 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Fluoranthene | 350 | UG/KG | U | U | | |
| REG | Fluorene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | U | | |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | |
| REG | Isophorone | 350 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 840 | UG/KG | U | U | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | |
| REG | Phenol | 350 | UG/KG | U | U | | |
| REG | Pyrene | 350 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | | 5 UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | | 5 UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | | 5 UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | | 5 UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-004 Landfill North of Winklepeck Burning Grounds Trenc

Northing: 17917.00
 Easting: 137097.00
 Elevation:

LNWtr-004-0404-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 86 | DEG F | | | |
|--------------------|---------------------------|-----------------|---------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1-Dichloroethene | | 5 UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | | 5 UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | | 5 UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | | 5 UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | | 5 UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | | 5 UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | | 5 UG/KG | U | U | | |
| REG | 2-Butanone | | 5 UG/KG | U | U | | |
| REG | 2-Hexanone | | 5 UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | | 5 UG/KG | U | U | | |
| REG | Acetone | | 5 UG/KG | U | U | | |
| REG | Benzene | | 5 UG/KG | U | U | | |
| REG | Bromodichloromethane | | 5 UG/KG | U | U | | |
| REG | Bromoform | | 5 UG/KG | U | U | | |
| REG | Bromomethane | | 5 UG/KG | U | UJ | C05 | |
| REG | Carbon Disulfide | | 5 UG/KG | U | U | | |
| REG | Carbon Tetrachloride | | 5 UG/KG | U | U | | |
| REG | Chlorobenzene | | 5 UG/KG | U | U | | |
| REG | Chloroethane | | 5 UG/KG | U | UJ | C02 | |
| REG | Chloroform | | 5 UG/KG | U | U | | |
| REG | Chloromethane | | 5 UG/KG | U | U | | |
| REG | Dibromochloromethane | | 5 UG/KG | U | U | | |
| REG | Ethylbenzene | | 5 UG/KG | U | U | | |
| REG | Methylene Chloride | | 5 UG/KG | U | U | | |
| REG | Styrene | | 5 UG/KG | U | U | | |
| REG | Tetrachloroethene | | 5 UG/KG | U | U | | |
| REG | Toluene | | 5 UG/KG | U | U | | |
| REG | Trichloroethene | | 5 UG/KG | U | U | | |
| REG | Vinyl Chloride | | 5 UG/KG | U | U | | |
| REG | Xylenes, Total | | 5 UG/KG | U | U | | |
| REG | o-Xylene | | 5 UG/KG | U | U | | |

LNWtr-004-0405-SO 1.5 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 86 | DEG F | | | |
|--------------------|-----------|-----------------|-----------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | | 0.1 MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9360 | MG/KG | | | = | |
| REG | Antimony | 0.31 | MG/KG | U | | U | |
| REG | Arsenic | 12.6 | MG/KG | | | = | |
| REG | Barium | 50.4 | MG/KG | | | = | |
| REG | Beryllium | 0.49 | MG/KG | | | = | |
| REG | Cadmium | 0.04 | MG/KG | U | | U | |
| REG | Calcium | 1630 | MG/KG | | | = | |
| REG | Chromium | 12.2 | MG/KG | | | = | |
| REG | Cobalt | 9.4 | MG/KG | | | = | |
| REG | Copper | 18.6 | MG/KG | | | = | |
| REG | Iron | 21400 | MG/KG | | | = | |
| REG | Lead | 13.6 | MG/KG | | | = | |
| REG | Magnesium | 2470 | MG/KG | | | = | |
| REG | Manganese | 305 | MG/KG | | | = | |
| REG | Mercury | 0.03 | MG/KG | U | | U | |
| REG | Nickel | 18.8 | MG/KG | | | = | |
| REG | Potassium | 805 | MG/KG | | | = | |
| REG | Selenium | 0.45 | MG/KG | B | J | F06 | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Sodium | 163 | MG/KG | B | J | F06 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-004 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17917.00
 Easting: 137097.00
 Elevation:

LNWtr-004-0405-SO 1.5 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Thallium | 1.3 | MG/KG | = | | | | |
| REG | Vanadium | 15.4 | MG/KG | = | | | | |
| REG | Zinc | 91.1 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.9 | UG/KG | P | J | M08 | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 68 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | | |
| REG | Toxaphene | 85 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-004 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17917.00
 Easting: 137097.00
 Elevation:

LNWtr-004-0405-SO 1.5 - 3.0 FT

Field Sample Type: Grab

Matrix: Trench Soil

Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 49 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Carbazole | 340 | UG/KG | U | U | | |
| REG | Chrysene | 340 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 36 | UG/KG | J | J | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Fluoranthene | 340 | UG/KG | U | U | | |
| REG | Fluorene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | | |
| REG | Isophorone | 340 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | | |
| REG | Phenanthrene | 340 | UG/KG | U | U | | |
| REG | Phenol | 340 | UG/KG | U | U | | |
| REG | Pyrene | 340 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station: LNWtr-004 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17917.00
 Easting: 137097.00
 Elevation:

Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | | |
| REG | Acetone | 5 | UG/KG | U | U | | | |
| REG | Benzene | 5 | UG/KG | U | U | | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | | |
| REG | Bromoform | 5 | UG/KG | U | UJ | C05 | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | C02 | | |
| REG | Chloroethane | 5 | UG/KG | U | U | | | |
| REG | Chloroform | 5 | UG/KG | U | U | | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | | |
| REG | Ethylbenzene | 4 | UG/KG | J | J | | | |
| REG | Methylene Chloride | 5 | UG/KG | U | U | | | |
| REG | Styrene | 5 | UG/KG | U | U | | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | | |
| REG | Toluene | 5 | UG/KG | U | U | | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | | |

LNWtr-004-0407-FD 1.5 - 3.0 FT Field Sample Type: Field Duplicate Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.11 | MG/KG | U | U | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 10400 | MG/KG | | = | | | |
| REG | Antimony | 0.32 | MG/KG | U | U | | | |
| REG | Arsenic | 13.4 | MG/KG | | = | | | |
| REG | Barium | 53 | MG/KG | | = | | | |
| REG | Beryllium | 0.53 | MG/KG | | = | | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | | |
| REG | Calcium | 2080 | MG/KG | | = | | | |
| REG | Chromium | 13.8 | MG/KG | | = | | | |
| REG | Cobalt | 9 | MG/KG | | = | | | |
| REG | Copper | 19.3 | MG/KG | | = | | | |
| REG | Iron | 24100 | MG/KG | | = | | | |
| REG | Lead | 16.4 | MG/KG | | = | | | |
| REG | Magnesium | 2790 | MG/KG | | = | | | |
| REG | Manganese | 300 | MG/KG | | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Nickel | 19 | MG/KG | | = | | | |
| REG | Potassium | 955 | MG/KG | | = | | | |
| REG | Selenium | 0.57 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 177 | MG/KG | B | J | F06 | | |
| REG | Thallium | 1.2 | MG/KG | | = | | | |
| REG | Vanadium | 17.4 | MG/KG | | = | | | |
| REG | Zinc | 105 | MG/KG | | = | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | |
| REG | Aroclor-1254 | 71 | UG/KG | U | U | |
| REG | Aroclor-1260 | 71 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 2.6 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | U | |
| REG | Toxaphene | 88 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 850 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 850 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 850 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 850 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 850 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 850 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-004 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17917.00
 Easting: 137097.00
 Elevation:

LNWtr-004-0407-FD 1.5 - 3.0 FT Field Sample Type: Field Duplicate Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4-Nitrophenol | 850 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | |
| REG | Anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 350 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 40 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Carbazole | 350 | UG/KG | U | U | | |
| REG | Chrysene | 350 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Fluoranthene | 350 | UG/KG | U | U | | |
| REG | Fluorene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | U | | |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | |
| REG | Isophorone | 350 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 850 | UG/KG | U | U | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | |
| REG | Phenol | 350 | UG/KG | U | U | | |
| REG | Pyrene | 350 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | U | | |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | C05 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-004 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17917.00
 Easting: 137097.00
 Elevation:

LNWtr-004-0407-FD 1.5 - 3.0 FT Field Sample Type: Field Duplicate Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | |
|--------------------|----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Chloroform | 5 | UG/KG | U | U | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 6 | UG/KG | | = | | |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-005 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17749.00
 Easting: 137104.00
 Elevation:

LNWtr-005-0408-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.11 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9060 | MG/KG | | = | | |
| REG | Antimony | 0.32 | MG/KG | U | U | | |
| REG | Arsenic | 12.2 | MG/KG | | = | | |
| REG | Barium | 45.9 | MG/KG | | = | | |
| REG | Beryllium | 0.49 | MG/KG | | = | | |
| REG | Cadmium | 0.2 | MG/KG | B | J | F06 | |
| REG | Calcium | 1090 | MG/KG | | = | | |
| REG | Chromium | 11.4 | MG/KG | | = | | |
| REG | Cobalt | 8.1 | MG/KG | | = | | |
| REG | Copper | 15.3 | MG/KG | | = | | |
| REG | Iron | 20800 | MG/KG | | = | | |
| REG | Lead | 12 | MG/KG | | = | | |
| REG | Magnesium | 2240 | MG/KG | | = | | |
| REG | Manganese | 276 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Nickel | 15.9 | MG/KG | | = | | |
| REG | Potassium | 639 | MG/KG | | = | | |
| REG | Selenium | 0.52 | MG/KG | B | J | F06 | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 153 | MG/KG | B | J | F06 | |
| REG | Thallium | 1 | MG/KG | | = | | |
| REG | Vanadium | 15.6 | MG/KG | | = | | |
| REG | Zinc | 45.9 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-005 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17749.00
 Easting: 137104.00
 Elevation:

LNWtr-005-0408-SO 0.0 - 1.5 FT

Field Sample Type: Grab Matrix: Trench Soil

Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.9 | UG/KG | P | J | M08 | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | | |
| REG | Methoxychlor | 14 | UG/KG | U | U | | | |
| REG | Toxaphene | 87 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 840 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 840 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 840 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 840 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 840 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 840 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 840 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-005 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17749.00
 Easting: 137104.00
 Elevation:

LNWtr-005-0408-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | | |
| REG | Anthracene | 350 | UG/KG | U | U | | | |
| REG | Benzo(a)anthracene | 350 | UG/KG | U | U | | | |
| REG | Benzo(a)pyrene | 350 | UG/KG | U | U | | | |
| REG | Benzo(b)fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | U | U | | | |
| REG | Benzo(k)fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 37 | UG/KG | J | J | | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Carbazole | 350 | UG/KG | U | U | | | |
| REG | Chrysene | 350 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Fluorene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | U | | | |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | | |
| REG | Isophorone | 350 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 840 | UG/KG | U | U | | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | | |
| REG | Phenol | 350 | UG/KG | U | U | | | |
| REG | Pyrene | 350 | UG/KG | U | U | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05 | | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | C05 | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05 | | |
| REG | Benzene | 5 | UG/KG | U | U | | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | | |
| REG | Bromoform | 5 | UG/KG | U | U | | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | | |
| REG | Chloroform | 5 | UG/KG | U | U | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
Station : LNWtr-005 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17749.00
Easting: 137104.00
Elevation:

LNWtr-005-0408-SO 0.0 - 1.5 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | |
|--------------------|----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 8 | UG/KG | B | U | F01,F07 | |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

LNWtr-005-0409-SO 1.5 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 87 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.1 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7380 | MG/KG | | = | | |
| REG | Antimony | 0.3 | MG/KG | U | U | | |
| REG | Arsenic | 10.6 | MG/KG | | = | | |
| REG | Barium | 30 | MG/KG | | = | | |
| REG | Beryllium | 0.39 | MG/KG | | = | | |
| REG | Cadmium | 0.15 | MG/KG | B | J | F06 | |
| REG | Calcium | 549 | MG/KG | | = | | |
| REG | Chromium | 9 | MG/KG | | = | | |
| REG | Cobalt | 6.1 | MG/KG | | = | | |
| REG | Copper | 13.1 | MG/KG | | = | | |
| REG | Iron | 17300 | MG/KG | | = | | |
| REG | Lead | 9.9 | MG/KG | | = | | |
| REG | Magnesium | 1580 | MG/KG | | = | | |
| REG | Manganese | 222 | MG/KG | | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Nickel | 11.8 | MG/KG | | = | | |
| REG | Potassium | 610 | MG/KG | | = | | |
| REG | Selenium | 0.51 | MG/KG | | = | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Sodium | 148 | MG/KG | B | J | F06 | |
| REG | Thallium | 0.98 | MG/KG | | = | | |
| REG | Vanadium | 12.5 | MG/KG | | = | | |
| REG | Zinc | 40 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 4,4'-DDD | 2.5 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 2.5 | UG/KG | U | U | |
| REG | 4,4'-DDT | 30 | UG/KG | U | J | C08,M08 |
| REG | Aldrin | 1.3 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | |
| REG | Aroclor-1016 | 33 | UG/KG | U | U | |
| REG | Aroclor-1221 | 33 | UG/KG | U | U | |
| REG | Aroclor-1232 | 33 | UG/KG | U | U | |
| REG | Aroclor-1242 | 33 | UG/KG | U | U | |
| REG | Aroclor-1248 | 33 | UG/KG | U | U | |
| REG | Aroclor-1254 | 68 | UG/KG | U | U | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | |
| REG | Dieldrin | 2.5 | UG/KG | U | U | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | |
| REG | Endosulfan II | 2.5 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.5 | UG/KG | U | U | |
| REG | Endrin | 2.5 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.5 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.5 | UG/KG | U | U | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | |
| REG | Methoxychlor | 13 | UG/KG | U | U | |
| REG | Toxaphene | 84 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 330 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 330 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 330 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 330 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 330 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 810 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 330 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 330 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 330 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 810 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 330 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 330 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 330 | UG/KG | U | U | |
| REG | 2-Methylphenol | 330 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 810 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 330 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 810 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 810 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 330 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 330 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 330 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 330 | UG/KG | U | U | |
| REG | 4-Methylphenol | 330 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 810 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 810 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 330 | UG/KG | U | U | |
| REG | Acenaphthene | 330 | UG/KG | U | U | |
| REG | Acenaphthylene | 330 | UG/KG | U | U | |
| REG | Anthracene | 330 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 330 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 330 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 330 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 330 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 330 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 330 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 330 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 330 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 330 | UG/KG | U | U | |
| REG | Carbazole | 330 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Landfill North of Winklepeck Burning Ground
 Station : LNWtr-005 Landfill North of Winklepeck Burning Grounds Trench

Northing: 17749.00
 Easting: 137104.00
 Elevation:

LNWtr-005-0409-SO 1.5 - 3.0 FT Field Sample Type: Grab Matrix: Trench Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 88 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Chrysene | 330 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 330 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 330 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Fluoranthene | 330 | UG/KG | U | U | | | |
| REG | Fluorene | 330 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 330 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 330 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 330 | UG/KG | U | U | | | |
| REG | Hexachloroethane | 330 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 330 | UG/KG | U | U | | | |
| REG | Isophorone | 330 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 330 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 330 | UG/KG | U | U | | | |
| REG | Naphthalene | 330 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 810 | UG/KG | U | U | | | |
| REG | Phenanthrene | 330 | UG/KG | U | U | | | |
| REG | Phenol | 330 | UG/KG | U | U | | | |
| REG | Pyrene | 330 | UG/KG | U | U | | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|--|--|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | | |
| REG | Acetone | 5 | UG/KG | U | U | | | |
| REG | Benzene | 5 | UG/KG | U | U | | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | | |
| REG | Bromoform | 5 | UG/KG | U | U | | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | C08 | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | | |
| REG | Chloroform | 5 | UG/KG | U | U | | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | | |
| REG | Methylene Chloride | 5 | UG/KG | | = | | | |
| REG | Styrene | 5 | UG/KG | U | U | | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | | |
| REG | Toluene | 5 | UG/KG | U | U | | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1ss-002 Adjacent to washout facilities

Northing: 16516.00
Easting: 154992.00
Elevation:

LL1ss-002-0002-SO 0.0 - 1.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 88 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 610 | UG/KG | = | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 14000 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 1
Station : LL1ss-003 Adjacent to washout facilities

Northing: 16419.00
Easting: 155065.00
Elevation:

LL1ss-003-0003-SO 0.0 - 0.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 4030 | MG/KG | = | | | |
| REG | Arsenic | 11.8 | MG/KG | N | J | I02 | |
| REG | Barium | 607 | MG/KG | = | | | |
| REG | Cadmium | 23.5 | MG/KG | = | | | |
| REG | Chromium | 31.2 | MG/KG | N* | J | I02 | |
| REG | Lead | 455 | MG/KG | * | = | | |
| REG | Manganese | 354 | MG/KG | = | | | |
| REG | Mercury | 0.17 | MG/KG | N* | J | I01 | |
| REG | Selenium | 0.9 | MG/KG | N | J | I01 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 340 | MG/KG | J | | I02 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 110000 | UG/KG | P | J | M07,M08 | |
| REG | 1,3-Dinitrobenzene | 12500 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 5800000 | UG/KG | D | = | | |
| REG | 2,4-Dinitrotoluene | 12500 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 13000 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 12500 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 12500 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 12500 | UG/KG | U | U | | |
| REG | HMX | 100000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 13000 | UG/KG | U | U | | |
| REG | RDX | 50000 | UG/KG | U | U | | |
| REG | Tetryl | 32500 | UG/KG | U | R | P03 | |

Location: Load Line 1
Station : LL1ss-004 Along south side of building

Northing: 16386.00
Easting: 154992.00
Elevation:

LL1ss-004-0004-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|--------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-004 Along south side of building

Northing: 16386.00
 Easting: 164992.00
 Elevation:

LL1ss-004-0004-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 3040 | MG/KG | | = | |
| REG | Arsenic | 15.2 | MG/KG | N | J | I02 |
| REG | Barium | 23.3 | MG/KG | | = | |
| REG | Cadmium | 0.21 | MG/KG | B | J | F06 |
| REG | Chromium | 4.8 | MG/KG | N* | J | I02 |
| REG | Lead | 19.5 | MG/KG | * | = | |
| REG | Manganese | 233 | MG/KG | | J | I01 |
| REG | Mercury | 0.04 | MG/KG | UN* | J | I01 |
| REG | Selenium | 0.56 | MG/KG | N | J | I01 |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 65.3 | MG/KG | | J | I02 |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 3900 | UG/KG | | = | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 200000 | UG/KG | D | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | PO3 |

Location: Load Line 1
 Station : LL1ss-005 Along south side of building

Northing: 16355.00
 Easting: 164935.00
 Elevation:

LL1ss-005-0005-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 4330 | MG/KG | | = | |
| REG | Arsenic | 7.8 | MG/KG | N | J | I02 |
| REG | Barium | 1380 | MG/KG | | = | |
| REG | Cadmium | 21.8 | MG/KG | | = | |
| REG | Chromium | 11.5 | MG/KG | N* | J | I02 |
| REG | Lead | 236 | MG/KG | * | = | |
| REG | Manganese | 398 | MG/KG | | = | |
| REG | Mercury | 1.4 | MG/KG | N* | J | I01 |
| REG | Selenium | 0.61 | MG/KG | N | J | I01 |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 226 | MG/KG | | J | I02 |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 160000 | UG/KG | D | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-005 Along south side of building

Northing: 16355.00
 Easting: 164935.00
 Elevation:

LL1ss-005-0005-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | R | P03 | |

LL1ss-005-0006-FD 0.0 - 0.7 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 3840 | MG/KG | = | | | |
| REG | Arsenic | 8.4 | MG/KG | N | J | I02 | |
| REG | Barium | 1800 | MG/KG | = | | | |
| REG | Cadmium | 33.8 | MG/KG | = | | | |
| REG | Chromium | 9.9 | MG/KG | N* | J | I02 | |
| REG | Lead | 241 | MG/KG | * | = | | |
| REG | Manganese | 345 | MG/KG | = | | | |
| REG | Mercury | 2.8 | MG/KG | N* | J | I01 | |
| REG | Selenium | 0.45 | MG/KG | BN | J | I01 | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 368 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 46000 | UG/KG | D | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | R | P03 | |

Location: Load Line 1
 Station : LL1ss-006 Along north side near vacuums

Northing: 16450.00
 Easting: 164905.00
 Elevation:

LL1ss-006-0007-SO 0.0 - 1.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 19000 | UG/KG | = | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 470000 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-007 Along north side near vacuums

Northing: 16476.00
 Easting: 154956.00
 Elevation:

LL1ss-007-0008-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

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

Northing: 16502.00
 Easting: 154906.00
 Elevation:

Location: Load Line 1
 Station : LL1ss-008 Adjacent to vacuum pump house near exhaust vent

LL1ss-008-0009-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

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

Northing: 16107.00
 Easting: 155234.00
 Elevation:

Location: Load Line 1
 Station : LL1ss-009 Adjacent to washout facilities

LL1ss-009-0010-SO 0.0 - 0.4 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 3170 | MG/KG | = | | |
| REG | Arsenic | 6.7 | MG/KG | N | J | I02 |
| REG | Barium | 141 | MG/KG | = | | |
| REG | Cadmium | 4.5 | MG/KG | = | | |
| REG | Chromium | 173 | MG/KG | N* | J | I02 |
| REG | Lead | 3610 | MG/KG | * | = | |
| REG | Manganese | 167 | MG/KG | = | | |
| REG | Mercury | 0.08 | MG/KG | N* | J | I01 |
| REG | Selenium | 0.85 | MG/KG | N | J | I01 |
| REG | Silver | 0.23 | MG/KG | U | U | |
| REG | Zinc | 767 | MG/KG | J | I02 | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 230000 | UG/KG | D | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | P03 |

Location: Load Line 1
 Station: LL1ss-010 Adjacent to washout facilities

Northing: 16086.00
 Easting: 155192.00
 Elevation:

LL1ss-010-0011-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | Air Temperature | 72 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Cyanide | Result | Units | Qualifiers | | Validation Code |
|-------------|---------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Cyanide | 1.2 | MG/KG | = | | |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 2460 | MG/KG | = | | |
| REG | Antimony | 0.45 | MG/KG | B | J | F06 |
| REG | Arsenic | 12.3 | MG/KG | = | | |
| REG | Barium | 28.2 | MG/KG | = | | |
| REG | Beryllium | 0.2 | MG/KG | B | J | F06 |
| REG | Cadmium | 1.1 | MG/KG | = | | |
| REG | Calcium | 1680 | MG/KG | = | | |
| REG | Chromium | 6.2 | MG/KG | = | | |
| REG | Cobalt | 3.9 | MG/KG | = | | |
| REG | Copper | 25.3 | MG/KG | = | | |
| REG | Iron | 13500 | MG/KG | = | | |
| REG | Lead | 210 | MG/KG | = | | |
| REG | Magnesium | 750 | MG/KG | = | | |
| REG | Manganese | 319 | MG/KG | = | | |
| REG | Mercury | 0.12 | MG/KG | = | | |
| REG | Nickel | 9.4 | MG/KG | = | | |
| REG | Potassium | 580 | MG/KG | = | | |
| REG | Selenium | 0.53 | MG/KG | B | J | F06 |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Sodium | 160 | MG/KG | B | J | F06 |
| REG | Thallium | 1.1 | MG/KG | = | | |
| REG | Vanadium | 5.5 | MG/KG | = | | |
| REG | Zinc | 70.8 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 56000 | UG/KG | D | = | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 700000 | UG/KG | D | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | PO3 |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-010 Adjacent to washout facilities

Northing: 16086.00
Easting: 155192.00
Elevation:

LL1ss-010-0011-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|------------------------|----|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab Data | | Validation Code | |
| REG | 4,4'-DDD | 250 | UG/KG | PE | J | M08,M07,G01 | |
| REG | 4,4'-DDE | 12 | UG/KG | P | J | M08,G01 | |
| REG | 4,4'-DDT | 63 | UG/KG | DP | J | M08 | |
| REG | Aldrin | 2.5 | UG/KG | P | J | M08,G01 | |
| REG | Alpha Chlordane | 140 | UG/KG | DP | J | M08 | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 36 | UG/KG | U | U | | |
| * REG | Aroclor-1221 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 73 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 73 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 170 | UG/KG | DP | J | M08 | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | U | | |
| REG | Endrin | 2.7 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.7 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.9 | UG/KG | P | J | M08,G01 | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 90 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab Data | | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 720 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 720 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 720 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 720 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 720 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 720 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 720 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 720 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 720 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 720 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 720 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 720 | UG/KG | U | U | | |
| REG | Acenaphthene | 720 | UG/KG | U | U | | |
| REG | Acenaphthylene | 720 | UG/KG | U | U | | |
| REG | Anthracene | 720 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 720 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 720 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1ss-010 Adjacent to washout facilities

Northing: 16086.00
Easting: 155192.00
Elevation:

LL1ss-010-0011-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 72 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Benzo(b)fluoranthene | 720 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 720 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 720 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 720 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 720 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 720 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 720 | UG/KG | U | U | |
| REG | Carbazole | 720 | UG/KG | U | U | |
| REG | Chrysene | 720 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 720 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 720 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 720 | UG/KG | U | U | |
| REG | Dibenzofuran | 720 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 720 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 720 | UG/KG | U | U | |
| REG | Fluoranthene | 720 | UG/KG | U | U | |
| REG | Fluorene | 720 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 720 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 720 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 720 | UG/KG | U | U | |
| REG | Hexachloroethane | 720 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 720 | UG/KG | U | U | |
| REG | Isophorone | 720 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 720 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 720 | UG/KG | U | U | |
| REG | Naphthalene | 720 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | |
| REG | Phenanthrene | 720 | UG/KG | U | U | |
| REG | Phenol | 720 | UG/KG | U | U | |
| REG | Pyrene | 720 | UG/KG | U | U | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | C05,K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | KJ01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 5 | UG/KG | JB | UJ | F01,F06,K01 |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-010 Adjacent to washout facilities

Northing: 16086.00
 Easting: 155192.00
 Elevation:

LL1ss-010-0011-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 72 | DEG F | | |
|--------------------|-------------------|-----------------|---------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Tetrachloroethene | | 5 UG/KG | U UJ | K01 | |
| REG | Toluene | | 5 UG/KG | U UJ | K01 | |
| REG | Trichloroethene | | 5 UG/KG | U UJ | K01 | |
| REG | Vinyl Chloride | | 5 UG/KG | U UJ | K01 | |
| REG | Xylenes, Total | | 5 UG/KG | U UJ | K01 | |
| REG | o-Xylene | | 5 UG/KG | U UJ | K01 | |

Location: Load Line 1
 Station: LL1ss-011 Adjacent to washout facilities

Northing: 15995.00
 Easting: 155283.00
 Elevation:

LL1ss-011-0012-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 72 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 2340 | MG/KG | = | | |
| REG | Arsenic | 8.4 | MG/KG | = | | |
| REG | Barium | 38.6 | MG/KG | = | | |
| REG | Cadmium | 1.5 | MG/KG | = | | |
| REG | Chromium | 15.5 | MG/KG | = | | |
| REG | Lead | 281 | MG/KG | = | | |
| REG | Manganese | 120 | MG/KG | = | | |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Selenium | 0.36 | MG/KG | B J | F06 | |
| REG | Silver | 0.2 | MG/KG | U U | | |
| REG | Zinc | 408 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U U | | |
| REG | 2,4,6-Trinitrotoluene | 6900 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | HMX | 2600 | UG/KG | = | | |
| REG | Nitrobenzene | 260 | UG/KG | U U | | |
| REG | RDX | 1800 | UG/KG | = | | |
| REG | Tetryl | 650 | UG/KG | U U | | |

Location: Load Line 1
 Station: LL1ss-012 Along north side of building

Northing: 16137.00
 Easting: 155740.00
 Elevation:

LL1ss-012-0013-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 7480 | MG/KG | = | | |
| REG | Arsenic | 12.2 | MG/KG | N* J | I01 | |
| REG | Barium | 72.5 | MG/KG | = | | |
| REG | Cadmium | 1.6 | MG/KG | = | | |
| REG | Chromium | 59.7 | MG/KG | = | | |
| REG | Lead | 269 | MG/KG | * = | | |
| REG | Manganese | 534 | MG/KG | * = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1ss-012 Along north side of building

Northing: 16137.00
Easting: 155740.00
Elevation:

LL1ss-012-0013-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 1.7 | MG/KG | = | = | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 490 | MG/KG | N* | = | |

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

Location: Load Line 1
Station : LL1ss-013 Along north side of building

Northing: 16039.00
Easting: 155099.00
Elevation:

LL1ss-013-0014-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 7500 | MG/KG | = | = | |
| REG | Arsenic | 8.3 | MG/KG | N* | J | I01, J04 |
| REG | Barium | 271 | MG/KG | = | = | |
| REG | Cadmium | 2.3 | MG/KG | = | = | |
| REG | Chromium | 24.2 | MG/KG | E | = | |
| REG | Lead | 415 | MG/KG | * | = | |
| REG | Manganese | 789 | MG/KG | * | J | J04 |
| REG | Mercury | 0.05 | MG/KG | * | = | |
| REG | Selenium | 0.98 | MG/KG | * | J | J04 |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 475 | MG/KG | E | = | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 770000 | UG/KG | = | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-014 Along south side of building near vacuums

Northing: 15942.00
Easting: 155180.00
Elevation:

LL1ss-014-0015-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 78 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 5420 | MG/KG | = | | | |
| REG | Arsenic | 13.9 | MG/KG | = | | | |
| REG | Barium | 87.3 | MG/KG | = | | | |
| REG | Cadmium | 1.1 | MG/KG | = | | | |
| REG | Chromium | 21.4 | MG/KG | = | | | |
| REG | Lead | 348 | MG/KG | = | | | |
| REG | Manganese | 603 | MG/KG | = | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | |
| REG | Selenium | 0.97 | MG/KG | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 215 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 900 | UG/KG | P | J | M08,M07 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 9100 | UG/KG | = | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 49000 | UG/KG | D | = | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 1
Station: LL1ss-015 Along south side of building near vacuums

Northing: 15972.00
Easting: 155236.00
Elevation:

LL1ss-015-0016-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 2840 | MG/KG | = | | | |
| REG | Arsenic | 13.4 | MG/KG | = | | | |
| REG | Barium | 77.2 | MG/KG | = | | | |
| REG | Cadmium | 3.6 | MG/KG | = | | | |
| REG | Chromium | 24.3 | MG/KG | = | | | |
| REG | Lead | 535 | MG/KG | = | | | |
| REG | Manganese | 228 | MG/KG | = | | | |
| REG | Mercury | 0.1 | MG/KG | = | | | |
| REG | Selenium | 0.62 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 176 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 2300 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-015 Along south side of building near vacuums

Northing: 15972.00
Easting: 155236.00
Elevation:

LL1ss-015-0016-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 1
Station: LL1ss-016 Adjacent to vacuum pump house near exhaust vent

Northing: 15902.00
Easting: 155251.00
Elevation:

LL1ss-016-0017-SO 0.0 - 0.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 7950 | MG/KG | = | | | | |
| REG | Arsenic | 10.2 | MG/KG | = | | | | |
| REG | Barium | 61.3 | MG/KG | = | | | | |
| REG | Cadmium | 0.42 | MG/KG | B | J | F06 | | |
| REG | Chromium | 13.2 | MG/KG | = | | | | |
| REG | Lead | 45.9 | MG/KG | = | | | | |
| REG | Manganese | 478 | MG/KG | = | | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | | |
| REG | Selenium | 0.82 | MG/KG | = | | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 160 | MG/KG | = | | | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 1200 | UG/KG | P | J | M08,M07 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

LL1ss-016-0018-FD 0.0 - 0.3 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 08/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 9270 | MG/KG | = | | | | |
| REG | Arsenic | 10.8 | MG/KG | = | | | | |
| REG | Barium | 69.9 | MG/KG | = | | | | |
| REG | Cadmium | 0.48 | MG/KG | B | J | F06 | | |
| REG | Chromium | 13.6 | MG/KG | = | | | | |
| REG | Lead | 46 | MG/KG | = | | | | |
| REG | Manganese | 541 | MG/KG | = | | | | |
| REG | Mercury | 0.07 | MG/KG | = | | | | |
| REG | Selenium | 1.1 | MG/KG | = | | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 214 | MG/KG | = | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | M08,M07 |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 1500 | UG/KG | P | J | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 1
 Station : LL1ss-017 Concrete settling tanks - along pipeline between C

Northing: 16599.00
 Easting: 155107.00
 Elevation:

LL1ss-017-0020-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

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

Location: Load Line 1
 Station : LL1ss-018 Concrete settling tanks - along pipeline between C

Northing: 16721.00
 Easting: 155169.00
 Elevation:

LL1ss-018-0021-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

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

Location: Load Line 1
 Station : LL1ss-020 Concrete settling tanks - side of tanks & at inlet

Northing: 16835.00
 Easting: 155189.00
 Elevation:

LL1ss-020-0023-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 9460 | MG/KG | = | | |
| REG | Arsenic | 12.2 | MG/KG | N | J | 102 |
| REG | Barium | 78.4 | MG/KG | = | | |
| REG | Cadmium | 0.33 | MG/KG | B | J | F06 |
| REG | Chromium | 11.5 | MG/KG | N* | J | 102 |
| REG | Lead | 23.9 | MG/KG | * | = | |
| REG | Manganese | 784 | MG/KG | = | | |
| REG | Mercury | 0.2 | MG/KG | N* | J | 101 |
| REG | Selenium | 1.1 | MG/KG | N | J | 101 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 48.7 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 740000 | UG/KG | D | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | P03 |

Location: Load Line 1
 Station: LL1ss-021 Concrete settling tanks - side of tanks & at inlet

Northing: 16947.00
 Easting: 155184.00
 Elevation:

LL1ss-021-0024-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

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

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 1800 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 1
 Station: LL1ss-022 Concrete settling tanks - side of tanks & at inlet

Northing: 16809.00
 Easting: 155257.00
 Elevation:

LL1ss-022-0025-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 9810 | MG/KG | = | | |
| REG | Arsenic | 9.4 | MG/KG | N | J | 102 |
| REG | Barium | 58.6 | MG/KG | = | | |
| REG | Cadmium | 0.15 | MG/KG | B | J | F06 |
| REG | Chromium | 11 | MG/KG | N* | J | 102 |
| REG | Lead | 15 | MG/KG | * | = | |
| REG | Manganese | 386 | MG/KG | = | | |
| REG | Mercury | 0.07 | MG/KG | N* | J | 101 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-022 Concrete settling tanks - side of tanks & at inlet

Northing: 16809.00
 Easting: 165257.00
 Elevation:

LL1ss-022-0025-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Selenium | 0.81 | MG/KG | N | J | I01 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 46.1 | MG/KG | | J | I02 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 3600 | UG/KG | | = | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 830000 | UG/KG | D | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | R | P03 | |

Location: Load Line 1
 Station: LL1ss-023 Concrete settling tanks - at pipeline outfall from

Northing: 16696.00
 Easting: 165347.00
 Elevation:

LL1ss-023-0026-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8740 | MG/KG | | = | | |
| REG | Arsenic | 12.5 | MG/KG | N* | J | I01 | |
| REG | Barium | 61.2 | MG/KG | | = | | |
| REG | Cadmium | 1 | MG/KG | | = | | |
| REG | Chromium | 12.3 | MG/KG | | = | | |
| REG | Lead | 44.5 | MG/KG | * | = | | |
| REG | Manganese | 545 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.7 | MG/KG | | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 119 | MG/KG | N* | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 1700 | UG/KG | | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P03 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-025 Drain outfall from building & storm drain to SE

Northing: 14969.00
 Easting: 155614.00
 Elevation:

LL1ss-025-0028-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 2.8 | MG/KG | = | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12900 | MG/KG | = | | | | |
| REG | Antimony | 8.8 | MG/KG | = | | | | |
| REG | Arsenic | 8.1 | MG/KG | = | | | | |
| REG | Barium | 200 | MG/KG | = | | | | |
| REG | Beryllium | 1.8 | MG/KG | = | | | | |
| REG | Cadmium | 2.1 | MG/KG | = | | | | |
| REG | Calcium | 56400 | MG/KG | = | | | | |
| REG | Chromium | 26.7 | MG/KG | = | | | | |
| REG | Cobalt | 5.6 | MG/KG | = | | | | |
| REG | Copper | 78.5 | MG/KG | = | | | | |
| REG | Iron | 41500 | MG/KG | = | | | | |
| REG | Lead | 84.8 | MG/KG | = | | | | |
| REG | Magnesium | 6100 | MG/KG | = | | | | |
| REG | Manganese | 1490 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | | |
| REG | Nickel | 25.1 | MG/KG | = | | | | |
| REG | Potassium | 1180 | MG/KG | = | | | | |
| REG | Selenium | 1.3 | MG/KG | = | | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 490 | MG/KG | = | | | | |
| REG | Thallium | 5.5 | MG/KG | = | | | | |
| REG | Vanadium | 11.4 | MG/KG | = | | | | |
| REG | Zinc | 130 | MG/KG | = | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | | |
| REG | Toxaphene | 86 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 680 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 680 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 680 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 680 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 680 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 1600 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 680 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 680 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 680 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 1600 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 680 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 680 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 680 | UG/KG | U | U | |
| REG | 2-Methylphenol | 680 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 1600 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 680 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 1600 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1600 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 680 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 680 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 680 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 680 | UG/KG | U | U | |
| REG | 4-Methylphenol | 680 | 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 | 680 | UG/KG | U | U | |
| REG | Acenaphthene | 680 | UG/KG | U | U | |
| REG | Acenaphthylene | 680 | UG/KG | U | U | |
| REG | Anthracene | 680 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 95 | UG/KG | J | J | |
| REG | Benzo(a)pyrene | 110 | UG/KG | J | J | |
| REG | Benzo(b)fluoranthene | 120 | UG/KG | J | J | |
| REG | Benzo(g,h,i)perylene | 100 | UG/KG | J | J | |
| REG | Benzo(k)fluoranthene | 120 | UG/KG | J | J | |
| REG | Bis(2-chloroethoxy)methane | 680 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 680 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 680 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 680 | UG/KG | U | U | |
| REG | Carbazole | 680 | UG/KG | U | U | |
| REG | Chrysene | 140 | UG/KG | J | J | |
| REG | Di-n-butyl Phthalate | 680 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 680 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 680 | UG/KG | U | U | |
| REG | Dibenzofuran | 680 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 680 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 680 | UG/KG | U | U | |
| REG | Fluoranthene | 230 | UG/KG | J | J | |
| REG | Fluorene | 680 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 680 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 680 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 680 | UG/KG | U | U | |
| REG | Hexachloroethane | 680 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 99 | UG/KG | J | J | |
| REG | Isophorone | 680 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 680 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 680 | UG/KG | U | U | |
| REG | Naphthalene | 680 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1600 | UG/KG | U | U | |
| REG | Phenanthrene | 100 | UG/KG | J | J | |
| REG | Phenol | 680 | UG/KG | U | U | |
| REG | Pyrene | 180 | UG/KG | J | J | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|---------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-025 Drain outfall from building & storm drain to SE

Northing: 14969.00
 Easting: 155614.00
 Elevation:

LL1ss-025-0028-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05,G02,K01 | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05,G02 | |
| REG | Benzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromoform | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | C05,G02,K01 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,G02,K01 | |
| REG | Chloroform | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Methylene Chloride | 12 | UG/KG | B | UJ | F01,F07,G02 | |
| REG | Styrene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Toluene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | G02,K01 | |

Location: Load Line 1
 Station : LL1ss-026 Drain outfall from building & storm drain to SE

Northing: 14962.00
 Easting: 155580.00
 Elevation:

LL1ss-026-0029-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.1 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7140 | MG/KG | | = | | |
| REG | Antimony | 0.47 | MG/KG | B | J | F06 | |
| REG | Arsenic | 11.9 | MG/KG | | = | | |
| REG | Barium | 38.8 | MG/KG | | = | | |
| REG | Beryllium | 0.4 | MG/KG | | = | | |
| REG | Cadmium | 0.28 | MG/KG | B | J | F06 | |
| REG | Calcium | 904 | MG/KG | | = | | |
| REG | Chromium | 9.9 | MG/KG | | = | | |
| REG | Cobalt | 7.2 | MG/KG | | = | | |
| REG | Copper | 20.5 | MG/KG | | = | | |
| REG | Iron | 17700 | MG/KG | | = | | |
| REG | Lead | 92.4 | MG/KG | | = | | |
| REG | Magnesium | 1680 | MG/KG | | = | | |
| REG | Manganese | 436 | MG/KG | | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Nickel | 14.1 | MG/KG | | = | | |
| REG | Potassium | 594 | MG/KG | | = | | |
| REG | Selenium | 0.33 | MG/KG | B | J | F06 | |
| REG | Silver | 0.2 | MG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-026

Drain outfall from building & storm drain to SE

Northing: 14952.00
Easting: 155580.00
Elevation:

LL1ss-026-0029-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Sodium | 148 | MG/KG | B | J | F06 | |
| REG | Thallium | 1.4 | MG/KG | = | = | | |
| REG | Vanadium | 12.4 | MG/KG | = | = | | |
| REG | Zinc | 88 | MG/KG | = | = | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | UJ | C08 | |
| REG | Aroclor-1260 | 680 | UG/KG | = | = | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | UJ | C08 | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | |
| REG | Methoxychlor | 13 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 680 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 680 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 680 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 680 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 680 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 1600 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 680 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 680 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 680 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 1600 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 680 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 680 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 680 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 680 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 1600 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 680 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 1600 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 1600 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 680 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 680 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 680 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 680 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 680 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 1600 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-026 Drain outfall from building & storm drain to SE

Northing: 14952.00
 Easting: 155580.00
 Elevation:

LL1ss-026-0029-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4-Nitrophenol | 1600 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 680 | UG/KG | U | U | | |
| REG | Acenaphthene | 680 | UG/KG | U | U | | |
| REG | Acenaphthylene | 680 | UG/KG | U | U | | |
| REG | Anthracene | 680 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 680 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 680 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 680 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 680 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 680 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 680 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 680 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 680 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Carbazole | 680 | UG/KG | U | U | | |
| REG | Chrysene | 680 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 680 | UG/KG | U | U | | |
| REG | Dibenzofuran | 680 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Fluoranthene | 680 | UG/KG | U | U | | |
| REG | Fluorene | 680 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 680 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 680 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 680 | UG/KG | U | U | | |
| REG | Hexachloroethane | 680 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 680 | UG/KG | U | U | | |
| REG | Isophorone | 680 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 680 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 680 | UG/KG | U | U | | |
| REG | Naphthalene | 680 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 1600 | UG/KG | U | U | | |
| REG | Phenanthrene | 680 | UG/KG | U | U | | |
| REG | Phenol | 680 | UG/KG | U | U | | |
| REG | Pyrene | 680 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 | |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-026 Drain outfall from building & storm drain to SE

Northing: 14952.00
Easting: 155580.00
Elevation:

LL1ss-026-0029-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|----------------------|-----------------|----------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Chloroform | | 5 UG/KG | U | UJ | K01 | |
| REG | Chloromethane | | 5 UG/KG | U | UJ | K01 | |
| REG | Dibromochloromethane | | 5 UG/KG | U | UJ | K01 | |
| REG | Ethylbenzene | | 5 UG/KG | U | UJ | K01 | |
| REG | Methylene Chloride | | 5 UG/KG | JB | UJ | F01,F06,K01 | |
| REG | Styrene | | 5 UG/KG | U | UJ | K01 | |
| REG | Tetrachloroethene | | 5 UG/KG | U | UJ | K01 | |
| REG | Toluene | | 10 UG/KG | | J | K01 | |
| REG | Trichloroethene | | 5 UG/KG | U | UJ | K01 | |
| REG | Vinyl Chloride | | 5 UG/KG | U | UJ | K01 | |
| REG | Xylenes, Total | | 5 UG/KG | U | UJ | K01 | |
| REG | o-Xylene | | 5 UG/KG | U | UJ | K01 | |

Location: Load Line 1
Station: LL1ss-027 SE corner of bldg. at drain outfall

Northing: 15034.00
Easting: 155555.00
Elevation:

LL1ss-027-0030-SO 0.0 - 0.4 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|---------------------------|-----------------|---------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | 1,1,2,2-Tetrachloroethane | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | 1,1-Dichloroethane | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | 1,1-Dichloroethene | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-Dichloroethane | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-Dichloropropane | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | 2-Butanone | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | Acetone | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | Bromodichloromethane | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | Bromomethane | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Disulfide | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Tetrachloride | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | Chloroethane | | 5 UG/KG | U | UJ | C02,G02,K01 | |
| REG | Chloroform | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | Chloromethane | | 5 UG/KG | U | UJ | G02,K01 | |
| REG | Methylene Chloride | | 7 UG/KG | B | UJ | F01,F07,G02 | |
| REG | Vinyl Chloride | | 5 UG/KG | U | UJ | G02,K01 | |

Location: Load Line 1
Station: LL1ss-029 At concrete tank outfall

Northing: 15614.00
Easting: 155256.00
Elevation:

LL1ss-029-0032-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 2.7 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 4020 | MG/KG | = | | | |
| REG | Arsenic | 9.3 | MG/KG | = | | | |
| REG | Barium | 42.4 | MG/KG | = | | | |
| REG | Cadmium | 0.46 | MG/KG | B | J | F06 | |
| REG | Chromium | 28.9 | MG/KG | = | | | |
| REG | Lead | 112 | MG/KG | = | | | |
| REG | Manganese | 304 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | |
| REG | Selenium | 0.4 | MG/KG | B | J | F06 | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 149 | MG/KG | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 15000 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

LL1ss-029-0033-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 70 | DEG F |
|--------------------|--|-----------------|-----|-------|
| | | Head Space | 0.0 | PPM |
| | | Organic Vapor | 2.4 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 3500 | MG/KG | | = | |
| REG | Arsenic | 8.3 | MG/KG | | = | |
| REG | Barium | 30.5 | MG/KG | | = | |
| REG | Cadmium | 0.82 | MG/KG | | = | |
| REG | Chromium | 15.6 | MG/KG | | = | |
| REG | Lead | 107 | MG/KG | | = | |
| REG | Manganese | 348 | MG/KG | | = | |
| REG | Mercury | 0.04 | MG/KG | | = | |
| REG | Selenium | 0.68 | MG/KG | | = | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 134 | MG/KG | | = | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|----------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 16000 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Amino-4,6-dinitrotoluene | | UG/KG | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 1
Station: LL1ss-030 Downstream of outfall at storm drain

Northing: 15587.00
Easting: 155260.00
Elevation:

LL1ss-030-0034-SO 0.0 - 0.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 70 | DEG F |
|--------------------|--|-----------------|-----|-------|
| | | Head Space | 0.0 | PPM |
| | | Organic Vapor | 2.4 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 1860 | MG/KG | | = | |
| REG | Arsenic | 4.5 | MG/KG | | = | |
| REG | Barium | 22.2 | MG/KG | | = | |
| REG | Cadmium | 1.1 | MG/KG | | = | |
| REG | Chromium | 12.8 | MG/KG | | = | |
| REG | Lead | 118 | MG/KG | | = | |
| REG | Manganese | 228 | MG/KG | | = | |
| REG | Mercury | 0.08 | MG/KG | | = | |
| REG | Selenium | 0.48 | MG/KG | B | J | F06 |
| REG | Silver | 0.21 | MG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-030 Downstream of outfall at storm drain

Northing: 15587.00
Easting: 156250.00
Elevation:

LL1ss-030-0034-SO 0.0 - 0.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Zinc | 234 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 2000 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 1
Station: LL1ss-031 Adjacent to each vacuum house near exhaust vent

Northing: 16927.00
Easting: 154676.00
Elevation:

LL1ss-031-0035-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 450 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 1
Station: LL1ss-032 Adjacent to each vacuum house near exhaust vent

Northing: 16993.00
Easting: 154638.00
Elevation:

LL1ss-032-0036-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-032 Adjacent to each vacuum house near exhaust vent

Northing: 16993.00
Easting: 164638.00
Elevation:

LL1ss-032-0036-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

Field Measurements
Air Temperature 80 DEG F
Head Space 0.0 PPM
Organic Vapor 0.0 PPM

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|--------------|--------|-------|----------------|------|-----------------|
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 1
Station: LL1ss-033 Adjacent to each vacuum house near exhaust vent

Northing: 17073.00
Easting: 154602.00
Elevation:

LL1ss-033-0037-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

Field Measurements
Air Temperature 80 DEG F
Head Space 0.0 PPM
Organic Vapor 0.0 PPM

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

Location: Load Line 1
Station: LL1ss-034 Adjacent to each vacuum pump @ east side of bldg

Northing: 17058.00
Easting: 154568.00
Elevation:

LL1ss-034-0038-SO 0.0 - 0.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

Field Measurements
Air Temperature 80 DEG F
Head Space 0.0 PPM
Organic Vapor 0.0 PPM

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 2700 | UG/KG | = | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 281000 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 1
Station: LL1ss-035 Adjacent to each vacuum pump @ east side of bldg

Northing: 17012.00
Easting: 154594.00
Elevation:

LL1ss-035-0039-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

Field Measurements
Air Temperature 80 DEG F
Head Space 0.0 PPM
Organic Vapor 0.0 PPM

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

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

Location: Load Line 1
 Station : LL1ss-037 Adjacent to each vacuum pump @ east side of bldg

Northing: 16897.00
 Easting: 154655.00
 Elevation:

LL1ss-037-0042-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

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

Location: Load Line 1
 Station : LL1ss-038 SE corner of Bldg @ hazardous waste drum

Northing: 17815.00
 Easting: 154635.00
 Elevation:

LL1ss-038-0043-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Cyanide | Result | Units | Qualifiers | | Validation Code |
|-------------|---------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Cyanide | 0.28 | MG/KG | B | J | F06 |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 5620 | MG/KG | = | | |
| REG | Antimony | 0.7 | MG/KG | = | | |
| REG | Arsenic | 8.9 | MG/KG | = | | |
| REG | Barium | 56.3 | MG/KG | = | | |
| REG | Beryllium | 0.35 | MG/KG | = | | |
| REG | Cadmium | 3.4 | MG/KG | = | | |
| REG | Calcium | 5260 | MG/KG | = | | |
| REG | Chromium | 11.3 | MG/KG | = | | |
| REG | Cobalt | 5.4 | MG/KG | = | | |
| REG | Copper | 38.3 | MG/KG | = | | |
| REG | Iron | 22600 | MG/KG | = | | |
| REG | Lead | 82.7 | MG/KG | = | | |
| REG | Magnesium | 1200 | MG/KG | = | | |
| REG | Manganese | 374 | MG/KG | = | | |
| REG | Mercury | 0.18 | MG/KG | = | | |
| REG | Nickel | 10.3 | MG/KG | = | | |
| REG | Potassium | 684 | MG/KG | = | | |
| REG | Selenium | 1.7 | MG/KG | = | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-038 SE corner of Bldg @ hazardous waste drum

Northing: 17815.00
 Easting: 154635.00
 Elevation:

LL1ss-038-0043-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|---------------------|----|-----------------|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | | Validation Code | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Sodium | 232 | MG/KG | B | J | F06 | | |
| REG | Thallium | 2.2 | MG/KG | = | = | | | |
| REG | Vanadium | 11.1 | MG/KG | = | = | | | |
| REG | Zinc | 176 | MG/KG | = | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 580 | UG/KG | = | = | | | |
| REG | 2,4-Dinitrotoluene | 1300 | UG/KG | = | = | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P03 | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab Data | | Validation Code | | |
| REG | 4,4'-DDD | 42 | UG/KG | P | J | C08,M08 | | |
| REG | 4,4'-DDE | 310 | UG/KG | = | = | | | |
| REG | 4,4'-DDT | 300 | UG/KG | P | J | C08,M08 | | |
| REG | Aldrin | 14 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 25 | UG/KG | P | J | M08 | | |
| REG | Alpha-BHC | 14 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 360 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 360 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 360 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 360 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 360 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 11000 | UG/KG | DP | J | M08 | | |
| REG | Aroclor-1260 | 730 | UG/KG | U | U | | | |
| REG | Beta-BHC | 14 | UG/KG | U | U | | | |
| REG | Delta-BHC | 14 | UG/KG | U | U | | | |
| REG | Dieldrin | 27 | UG/KG | U | U | | | |
| REG | Endosulfan I | 14 | UG/KG | U | U | | | |
| REG | Endosulfan II | 27 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 27 | UG/KG | U | U | | | |
| REG | Endrin | 27 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 53 | UG/KG | P | J | M08 | | |
| REG | Endrin Ketone | 27 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 48 | UG/KG | P | J | M08 | | |
| REG | Gamma-BHC (Lindane) | 14 | UG/KG | U | U | | | |
| REG | Heptachlor | 14 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 14 | UG/KG | U | U | | | |
| REG | Methoxychlor | 140 | UG/KG | U | UJ | C08 | | |
| REG | Toxaphene | 900 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab Data | | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 720 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 720 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 720 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 720 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 720 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 720 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 720 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 720 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-038 SE corner of Bldg @ hazardous waste drum

Northing: 17815.00
 Easting: 154635.00
 Elevation:

LL1ss-038-0043-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | | 70 | | DEG F | | Qualifiers | | Validation |
|--------------------|----------------------------|-----------------|-------|-----|------|-------|--|------------|--|------------|
| Sample Type | Sample Type | Result | Units | Lab | Data | Code | | | | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | | | | | |
| REG | 2-Chloronaphthalene | 720 | UG/KG | U | U | | | | | |
| REG | 2-Chlorophenol | 720 | UG/KG | U | U | | | | | |
| REG | 2-Methylnaphthalene | 720 | UG/KG | U | U | | | | | |
| REG | 2-Methylphenol | 720 | UG/KG | U | U | | | | | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | | | | | |
| REG | 2-Nitrophenol | 720 | UG/KG | U | U | | | | | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | | | | | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | | | | | |
| REG | 4,6-Dinitro-o-Cresol | 720 | UG/KG | U | U | | | | | |
| REG | 4-Bromophenyl-phenyl Ether | 720 | UG/KG | U | U | | | | | |
| REG | 4-Chloroaniline | 720 | UG/KG | U | U | | | | | |
| REG | 4-Chlorophenyl-phenylether | 720 | UG/KG | U | U | | | | | |
| REG | 4-Methylphenol | 720 | UG/KG | U | U | | | | | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | | | | | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | | | | | |
| REG | 4-chloro-3-methylphenol | 720 | UG/KG | U | U | | | | | |
| REG | Acenaphthene | 720 | UG/KG | U | U | | | | | |
| REG | Acenaphthylene | 720 | UG/KG | U | U | | | | | |
| REG | Anthracene | 720 | UG/KG | U | U | | | | | |
| REG | Benzo(a)anthracene | 720 | UG/KG | U | U | | | | | |
| REG | Benzo(a)pyrene | 720 | UG/KG | U | U | | | | | |
| REG | Benzo(b)fluoranthene | 720 | UG/KG | U | U | | | | | |
| REG | Benzo(g,h,i)perylene | 720 | UG/KG | U | U | | | | | |
| REG | Benzo(k)fluoranthene | 720 | UG/KG | U | U | | | | | |
| REG | Bis(2-chloroethoxy)methane | 720 | UG/KG | U | U | | | | | |
| REG | Bis(2-chloroethyl)ether | 720 | UG/KG | U | U | | | | | |
| REG | Bis(2-ethylhexyl)phthalate | 720 | UG/KG | U | U | | | | | |
| REG | Butyl Benzyl Phthalate | 720 | UG/KG | U | U | | | | | |
| REG | Carbazole | 720 | UG/KG | U | U | | | | | |
| REG | Chrysene | 720 | UG/KG | U | U | | | | | |
| REG | Di-n-butyl Phthalate | 5300 | UG/KG | | = | | | | | |
| REG | Di-n-octyl Phthalate | 720 | UG/KG | U | U | | | | | |
| REG | Dibenzo(a,h)anthracene | 720 | UG/KG | U | U | | | | | |
| REG | Dibenzofuran | 720 | UG/KG | U | U | | | | | |
| REG | Diethyl Phthalate | 720 | UG/KG | U | U | | | | | |
| REG | Dimethyl Phthalate | 720 | UG/KG | U | U | | | | | |
| REG | Fluoranthene | 720 | UG/KG | U | U | | | | | |
| REG | Fluorene | 720 | UG/KG | U | U | | | | | |
| REG | Hexachlorobenzene | 720 | UG/KG | U | U | | | | | |
| REG | Hexachlorobutadiene | 720 | UG/KG | U | U | | | | | |
| REG | Hexachlorocyclopentadiene | 720 | UG/KG | U | U | | | | | |
| REG | Hexachloroethane | 720 | UG/KG | U | U | | | | | |
| REG | Indeno(1,2,3-cd)pyrene | 720 | UG/KG | U | U | | | | | |
| REG | Isophorone | 720 | UG/KG | U | U | | | | | |
| REG | N-Nitroso-di-n-propylamine | 720 | UG/KG | U | U | | | | | |
| REG | N-Nitrosodiphenylamine | 270 | UG/KG | J | J | | | | | |
| REG | Naphthalene | 720 | UG/KG | U | U | | | | | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | | | | | |
| REG | Phenanthrene | 720 | UG/KG | U | U | | | | | |
| REG | Phenol | 720 | UG/KG | U | U | | | | | |
| REG | Pyrene | 720 | UG/KG | U | U | | | | | |

| Sample Type | Sample Type | Result | Units | Qualifiers | | Validation |
|-------------|---------------------------|--------|-------|------------|------|------------|
| | Volatile Organics | | | Lab | Data | Code |
| REA | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | |
| REA | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | |
| REA | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | |
| REA | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REA | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REA | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REA | 1,2-Dichloropropane | 5 | UG/KG | U | U | |
| REA | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | |
| REA | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-038 SE corner of Bldg @ hazardous waste drum

Northing: 17815.00
Easting: 154635.00
Elevation:

LL1ss-038-0043-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 70 | DEG F | Qualifiers | | Validation |
|--------------------|---------------------------|-----------------|-------|-------|------------|------|------------|
| Sample Type | Volatile Organics | Result | Units | Lab | Data | Code | |
| REA | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REA | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REA | 2-Butanone | 5 | UG/KG | U | UJ | | C05 |
| REA | 2-Hexanone | 5 | UG/KG | U | UJ | | C05 |
| REA | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REA | Acetone | 5 | UG/KG | U | R | | C04,C05 |
| REA | Benzene | 5 | UG/KG | U | U | | |
| REA | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REA | Bromoform | 5 | UG/KG | U | U | | |
| REA | Bromomethane | 5 | UG/KG | U | U | | |
| REA | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REA | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REA | Chlorobenzene | 5 | UG/KG | U | U | | |
| REA | Chloroethane | 5 | UG/KG | U | UJ | | C02 |
| REA | Chloroform | 5 | UG/KG | U | U | | |
| REA | Chloromethane | 5 | UG/KG | U | U | | |
| REA | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REA | Ethylbenzene | 5 | UG/KG | U | U | | |
| REA | Methylene Chloride | 5 | UG/KG | U | U | | |
| REA | Styrene | 5 | UG/KG | U | U | | |
| REA | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REA | Toluene | 5 | UG/KG | U | U | | |
| REA | Trichloroethene | 5 | UG/KG | U | U | | |
| REA | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REA | Xylenes, Total | 5 | UG/KG | U | U | | |
| REA | o-Xylene | 5 | UG/KG | U | U | | |

Location: Load Line 1
Station: LL1ss-039 Pipe outfall south of settling tanks

Northing: 16781.00
Easting: 155528.00
Elevation:

LL1ss-039-0044-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 70 | DEG F | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------------|------|------------|
| Sample Type | Metals | Result | Units | Lab | Data | Code | |
| REG | Aluminum | 8130 | MG/KG | | = | | |
| REG | Arsenic | 18.3 | MG/KG | N* | J | | I01 |
| REG | Barium | 354 | MG/KG | | = | | |
| REG | Cadmium | 1.6 | MG/KG | | = | | |
| REG | Chromium | 12.8 | MG/KG | | = | | |
| REG | Lead | 35.5 | MG/KG | * | = | | |
| REG | Manganese | 494 | MG/KG | * | = | | |
| REG | Mercury | 0.25 | MG/KG | | = | | |
| REG | Selenium | 3.1 | MG/KG | | = | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 132 | MG/KG | N* | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|---------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 18000 | UG/KG | P | J | M07,M08 |
| REG | 1,3-Dinitrobenzene | 12500 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 1300000 | UG/KG | D | = | |
| REG | 2,4-Dinitrotoluene | 12500 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 13000 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | HMX | 100000 | UG/KG | U | U | |
| REG | Nitrobenzene | 13000 | UG/KG | U | U | |
| REG | RDX | 50000 | UG/KG | U | U | |
| REG | Tetryl | 32500 | UG/KG | U | UJ | P02 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

LL1ss-039-0045-FD 0.0 - 1.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 6210 | MG/KG | = | | |
| REG | Arsenic | 13.1 | MG/KG | N* | J | I01 |
| REG | Barium | 61.1 | MG/KG | = | | |
| REG | Cadmium | 1 | MG/KG | = | | |
| REG | Chromium | 9.1 | MG/KG | = | | |
| REG | Lead | 20.9 | MG/KG | * | = | |
| REG | Manganese | 349 | MG/KG | * | = | |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Selenium | 1.5 | MG/KG | = | | |
| REG | Silver | 0.23 | MG/KG | U | U | |
| REG | Zinc | 82.1 | MG/KG | N* | = | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 35000 | UG/KG | P | J | M07,M08 |
| REG | 1,3-Dinitrobenzene | 12500 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 10000000 | UG/KG | D | = | |
| REG | 2,4-Dinitrotoluene | 12500 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 13000 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | HMX | 100000 | UG/KG | U | U | |
| REG | Nitrobenzene | 13000 | UG/KG | U | U | |
| REG | RDX | 50000 | UG/KG | U | U | |
| REG | Tetryl | 32500 | UG/KG | U | UJ | P02 |

Location: Load Line 1
Station: LL1ss-040 Pipe outfall south of settling tanksNorthing: 16324.00
Easting: 155605.00
Elevation:

LL1ss-040-0047-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 7540 | MG/KG | = | | |
| REG | Arsenic | 13 | MG/KG | N* | J | I01 |
| REG | Barium | 55 | MG/KG | = | | |
| REG | Cadmium | 1.9 | MG/KG | = | | |
| REG | Chromium | 12.2 | MG/KG | = | | |
| REG | Lead | 49.6 | MG/KG | * | = | |
| REG | Manganese | 672 | MG/KG | * | = | |
| REG | Mercury | 0.05 | MG/KG | = | | |
| REG | Selenium | 1.6 | MG/KG | = | | |
| REG | Silver | 0.23 | MG/KG | U | U | |
| REG | Zinc | 248 | MG/KG | N* | = | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 1100 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-041(b) West side of LL1 west fence & east side of LL1 Roa

Northing: 17076.00
 Easting: 153670.00
 Elevation:

LL1ss-041(b)-0048-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 12000 | MG/KG | = | | |
| REG | Arsenic | 12.3 | MG/KG | = | | |
| REG | Barium | 47.1 | MG/KG | = | | |
| REG | Cadmium | 0.05 | MG/KG | UN* | UJ | I02,J04 |
| REG | Chromium | 14.4 | MG/KG | = | | |
| REG | Lead | 13 | MG/KG | * | | |
| REG | Manganese | 272 | MG/KG | N* | J | I02 |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Selenium | 0.93 | MG/KG | N | J | I01 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 40.2 | MG/KG | E* | = | |

Location: Load Line 1
 Station : LL1ss-042(b) West side of LL1 west fence & east side of LL1 Roa

Northing: 15669.00
 Easting: 154231.00
 Elevation:

LL1ss-042(b)-0049-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 8650 | MG/KG | = | | |
| REG | Arsenic | 8.9 | MG/KG | = | | |
| REG | Barium | 56.4 | MG/KG | = | | |
| REG | Cadmium | 0.05 | MG/KG | UN* | UJ | I02,J04 |
| REG | Chromium | 10 | MG/KG | = | | |
| REG | Lead | 17.7 | MG/KG | * | | |
| REG | Manganese | 728 | MG/KG | N* | J | I02 |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Selenium | 0.53 | MG/KG | BN | J | I01 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 43.5 | MG/KG | E* | = | |

Location: Load Line 1
 Station : LL1ss-043(b) West side of LL1 west fence & east side of LL1 Roa

Northing: 14615.00
 Easting: 154962.00
 Elevation:

LL1ss-043(b)-0050-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 8220 | MG/KG | = | | |
| REG | Arsenic | 7.3 | MG/KG | = | | |
| REG | Barium | 49.2 | MG/KG | = | | |
| REG | Cadmium | 0.05 | MG/KG | UN* | UJ | I02,J04 |
| REG | Chromium | 9.9 | MG/KG | = | | |
| REG | Lead | 11.7 | MG/KG | * | | |
| REG | Manganese | 291 | MG/KG | N* | J | I02 |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Selenium | 0.67 | MG/KG | N | J | I01 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 33.3 | MG/KG | E* | = | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-044 Locations TBD as needed based on field observation

Northing: 17076.00
 Easting: 163669.00
 Elevation:

LL1ss-044-0051-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.17 | MG/KG | B | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 11200 | MG/KG | * | = | | |
| REG | Antimony | 0.31 | MG/KG | UN | U | | |
| REG | Arsenic | 12.2 | MG/KG | | = | | |
| REG | Barium | 57.4 | MG/KG | N* | = | | |
| REG | Beryllium | 0.53 | MG/KG | | = | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | |
| REG | Calcium | 1950 | MG/KG | N* | J | | |
| REG | Chromium | 13.7 | MG/KG | | = | | |
| REG | Cobalt | 8 | MG/KG | | = | | |
| REG | Copper | 11.3 | MG/KG | * | = | | |
| REG | Iron | 22500 | MG/KG | | = | | |
| REG | Lead | 18.7 | MG/KG | | = | | |
| REG | Magnesium | 1670 | MG/KG | | = | | |
| REG | Manganese | 463 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | | = | | |
| REG | Nickel | 11 | MG/KG | | = | | |
| REG | Potassium | 626 | MG/KG | N | = | | |
| REG | Selenium | 0.31 | MG/KG | UN | U | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 185 | MG/KG | B | J | F06 | |
| REG | Thallium | 0.84 | MG/KG | N* | = | | |
| REG | Vanadium | 24.5 | MG/KG | * | = | | |
| REG | Zinc | 48.8 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.8 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1ss-044 Locations TBD as needed based on field observation

Northing: 17076.00
Easting: 153669.00
Elevation:

LL1ss-044-0051-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.8 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 60 | UG/KG | J | J | | |
| REG | Benzo(a)anthracene | 290 | UG/KG | J | J | | |
| REG | Benzo(a)pyrene | 350 | UG/KG | | = | | |
| REG | Benzo(b)fluoranthene | 300 | UG/KG | J | J | | |
| REG | Benzo(g,h,i)perylene | 240 | UG/KG | J | J | | |
| REG | Benzo(k)fluoranthene | 390 | UG/KG | | = | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 42 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Carbazole | 36 | UG/KG | J | J | | |
| REG | Chrysene | 430 | UG/KG | | = | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 130 | UG/KG | J | J | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-044 Locations TBD as needed based on field observation

Northing: 17076.00
 Easting: 153669.00
 Elevation:

LL1ss-044-0051-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.8 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Fluoranthene | 830 | UG/KG | = | | | | |
| REG | Fluorene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | UJ | C05 | | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 220 | UG/KG | J | J | | | |
| REG | Isophorone | 340 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | | | |
| REG | Phenanthrene | 290 | UG/KG | J | J | | | |
| REG | Phenol | 340 | UG/KG | U | U | | | |
| REG | Pyrene | 640 | UG/KG | = | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REA | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02 | | |
| REA | 2-Butanone | 5 | UG/KG | U | UJ | G02 | | |
| REA | 2-Hexanone | 5 | UG/KG | U | UJ | G02 | | |
| REA | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02 | | |
| REA | Acetone | 5 | UG/KG | U | UJ | G02 | | |
| REA | Benzene | 5 | UG/KG | U | UJ | G02 | | |
| REA | Bromodichloromethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | Bromoform | 5 | UG/KG | U | UJ | G02 | | |
| REA | Bromomethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | Carbon Disulfide | 5 | UG/KG | U | UJ | G02 | | |
| REA | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02 | | |
| REA | Chlorobenzene | 5 | UG/KG | U | UJ | G02 | | |
| REA | Chloroethane | 5 | UG/KG | U | UJ | C02,G02 | | |
| REA | Chloroform | 2 | UG/KG | J | UJ | G02 | | |
| REA | Chloromethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | Dibromochloromethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | Ethylbenzene | 5 | UG/KG | U | UJ | G02 | | |
| REA | Methylene Chloride | 6 | UG/KG | B | UJ | C05,F01,F07 | | |
| REA | Styrene | 5 | UG/KG | U | UJ | G02 | | |
| REA | Tetrachloroethane | 5 | UG/KG | U | UJ | G02 | | |
| REA | Toluene | 5 | UG/KG | U | UJ | G02 | | |
| REA | Trichloroethene | 5 | UG/KG | U | UJ | G02 | | |
| REA | Vinyl Chloride | 5 | UG/KG | U | UJ | G02 | | |
| REA | Xylenes, Total | 5 | UG/KG | U | UJ | G02 | | |
| REA | o-Xylene | 5 | UG/KG | U | UJ | G02 | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-044 Locations TBD as needed based on field observation

Northing: 17076.00
 Easting: 153669.00
 Elevation:

LL1ss-044-0051-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

Field Measurements Air Temperature 75 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.8 PPM

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|---------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05,G02,K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | C05,G02,K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05,G02 |
| REG | Benzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,G02,K01 |
| REG | Chloroform | 2 | UG/KG | J | J | G02,K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Methylene Chloride | 12 | UG/KG | B | U | F01,F07,G02 |
| REG | Styrene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Toluene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | G02,K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | G02,K01 |

Location: Load Line 1
 Station: LL1ss-045 Locations TBD as needed based on field observation

Northing: 17743.00
 Easting: 154561.00
 Elevation:

LL1ss-045-0052-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

Field Measurements Air Temperature 75 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.8 PPM

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 810 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 1000 | UG/KG | | J | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-068 Burner adjacent to CB-13

Northing: 17673.00
 Easting: 154301.00
 Elevation:

LL1ss-068-0559-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 8 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.52 | MG/KG | = | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 13400 | MG/KG | = | | | |
| REG | Antimony | 0.66 | MG/KG | = | | | |
| REG | Arsenic | 12.5 | MG/KG | = | | | |
| REG | Barium | 67.6 | MG/KG | = | | | |
| REG | Beryllium | 0.7 | MG/KG | = | | | |
| REG | Cadmium | 3.1 | MG/KG | = | | | |
| REG | Calcium | 3470 | MG/KG | = | | | |
| REG | Chromium | 16.5 | MG/KG | = | | | |
| REG | Cobalt | 8.7 | MG/KG | = | | | |
| REG | Copper | 66.4 | MG/KG | = | | | |
| REG | Iron | 22200 | MG/KG | = | | | |
| REG | Lead | 14.5 | MG/KG | = | | | |
| REG | Magnesium | 3110 | MG/KG | = | | | |
| REG | Manganese | 487 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | |
| REG | Nickel | 19.4 | MG/KG | = | | | |
| REG | Potassium | 2560 | MG/KG | = | | | |
| REG | Selenium | 1.4 | MG/KG | = | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Sodium | 185 | MG/KG | B | J | F06 | |
| REG | Thallium | 2.4 | MG/KG | = | | | |
| REG | Vanadium | 21.6 | MG/KG | = | | | |
| REG | Zinc | 70.2 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 660 | UG/KG | J | | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.9 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.9 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.9 | UG/KG | U | U | | |
| REG | Aldrin | 1.5 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 39 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 39 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 39 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 39 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 39 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 95 | UG/KG | DJP | J | M08 | |
| REG | Aroclor-1260 | 79 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-068 Burner adjacent to CB-13

Northing: 17673.00
Easting: 154301.00
Elevation:

LL1ss-068-0559-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Breathing Zone | 0 | PPM | | | |
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 24 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Dieldrin | 2.9 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.9 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.9 | UG/KG | U | U | | |
| REG | Endrin | 2.9 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 9.6 | UG/KG | P | J | M08 | |
| REG | Endrin Ketone | 2.9 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.5 | UG/KG | U | U | | |
| REG | Methoxychlor | 15 | UG/KG | U | U | | |
| REG | Toxaphene | 98 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 780 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 780 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 780 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 780 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 780 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 1900 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 780 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 780 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 780 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 1900 | UG/KG | U | UJ | C05 | |
| REG | 2-Chloronaphthalene | 780 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 780 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 780 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 780 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 1900 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 780 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 1900 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 1900 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 780 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 780 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 780 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 780 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 780 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 1900 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 1900 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 780 | UG/KG | U | U | | |
| REG | Acenaphthene | 780 | UG/KG | U | U | | |
| REG | Acenaphthylene | 780 | UG/KG | U | U | | |
| REG | Anthracene | 780 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 780 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 780 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 780 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 780 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 780 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 780 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 780 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 360 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 780 | UG/KG | U | U | | |
| REG | Carbazole | 780 | UG/KG | U | U | | |
| REG | Chrysene | 90 | UG/KG | J | J | | |
| REG | Di-n-butyl Phthalate | 14000 | UG/KG | E | = | M07 | |
| REG | Di-n-octyl Phthalate | 780 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 780 | UG/KG | U | U | | |
| REG | Dibenzofuran | 780 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 780 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-068 Burner adjacent to CB-13

Northing: 17673.00
 Easting: 154301.00
 Elevation:

LL1ss-068-0659-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Breathing Zone | 0 | PPM | | |
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 24 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Dimethyl Phthalate | 780 | UG/KG | U | U | |
| REG | Fluoranthene | 120 | UG/KG | J | J | |
| REG | Fluorene | 780 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 780 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 780 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 780 | UG/KG | U | UJ | C05 |
| REG | Hexachloroethane | 780 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 780 | UG/KG | U | U | |
| REG | Isophorone | 780 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 780 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 110 | UG/KG | J | J | |
| REG | Naphthalene | 780 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1900 | UG/KG | U | U | |
| REG | Phenanthrene | 780 | UG/KG | U | U | |
| REG | Phenol | 780 | UG/KG | U | U | |
| REG | Pyrene | 780 | UG/KG | U | U | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 2-Butanone | 5 | UG/KG | U | U | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 |
| REG | Benzene | 5 | UG/KG | U | U | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | |
| REG | Bromoform | 5 | UG/KG | U | U | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 |
| REG | Chloroform | 2 | UG/KG | J | J | K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 5 | UG/KG | JB | UJ | C05,F01,F06 |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Toluene | 6 | UG/KG | J | J | K01 |
| REG | Trichloroethene | 5 | UG/KG | U | U | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-069 East of Ca-14 adjacent to 55 gal drum

Northing: 18025.00
 Easting: 154647.00
 Elevation:

LL1ss-069-0562-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|------------------------|-----------------|-------|---------------------|----|-----------------|
| | | Breathing Zone | 0 | PPM | | |
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 24 | PPM | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab Data | | Validation Code |
| REG | Cyanide | 0.11 | MG/KG | B | J | F06 |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | | Validation Code |
| REG | Aluminum | 8880 | MG/KG | = | | |
| REG | Antimony | 0.3 | MG/KG | U | U | |
| REG | Arsenic | 11.2 | MG/KG | = | | |
| REG | Barium | 38.1 | MG/KG | = | | |
| REG | Beryllium | 0.48 | MG/KG | = | | |
| REG | Cadmium | 0.16 | MG/KG | B | J | F06 |
| REG | Calcium | 452 | MG/KG | = | | |
| REG | Chromium | 10.2 | MG/KG | = | | |
| REG | Cobalt | 6.3 | MG/KG | = | | |
| REG | Copper | 13.1 | MG/KG | = | | |
| REG | Iron | 17800 | MG/KG | = | | |
| REG | Lead | 12.8 | MG/KG | = | | |
| REG | Magnesium | 1580 | MG/KG | = | | |
| REG | Manganese | 307 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | = | | |
| REG | Nickel | 11.6 | MG/KG | = | | |
| REG | Potassium | 658 | MG/KG | = | | |
| REG | Selenium | 0.94 | MG/KG | = | | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Sodium | 159 | MG/KG | B | J | F06 |
| REG | Thallium | 1.5 | MG/KG | = | | |
| REG | Vanadium | 16.7 | MG/KG | = | | |
| REG | Zinc | 34.1 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab Data | | Validation Code |
| REG | 4,4'-DDD | 2.8 | UG/KG | U | U | |
| REG | 4,4'-DDE | 2.8 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.8 | UG/KG | U | U | |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 37 | UG/KG | U | U | |
| REG | Aroclor-1221 | 37 | UG/KG | U | U | |
| REG | Aroclor-1232 | 37 | UG/KG | U | U | |
| REG | Aroclor-1242 | 37 | UG/KG | U | U | |
| REG | Aroclor-1248 | 37 | UG/KG | U | U | |
| REG | Aroclor-1254 | 74 | UG/KG | U | U | |
| REG | Aroclor-1260 | 74 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-069 East of Ca-14 adjacent to 55 gal drum

Northing: 18025.00
 Easting: 154647.00
 Elevation:

LL1ss-069-0562-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 36 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.8 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.8 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.8 | UG/KG | U | U | | | |
| REG | Endrin | 2.8 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.8 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.8 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | | |
| REG | Methoxychlor | 14 | UG/KG | U | U | | | |
| REG | Toxaphene | 92 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 730 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 730 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 730 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 730 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 730 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 1800 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 730 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 730 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 730 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 1800 | UG/KG | U | UJ | C05 | | |
| REG | 2-Chloronaphthalene | 730 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 730 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 730 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 730 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 1800 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 730 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 1800 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 1800 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 730 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 730 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 730 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 730 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 730 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 1800 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 1800 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 730 | UG/KG | U | U | | | |
| REG | Acenaphthene | 730 | UG/KG | U | U | | | |
| REG | Acenaphthylene | 730 | UG/KG | U | U | | | |
| REG | Anthracene | 730 | UG/KG | U | U | | | |
| REG | Benzo(a)anthracene | 730 | UG/KG | U | U | | | |
| REG | Benzo(a)pyrene | 730 | UG/KG | U | U | | | |
| REG | Benzo(b)fluoranthene | 730 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 730 | UG/KG | U | U | | | |
| REG | Benzo(k)fluoranthene | 730 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethoxy)methane | 730 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 730 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 730 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 730 | UG/KG | U | U | | | |
| REG | Carbazole | 730 | UG/KG | U | U | | | |
| REG | Chrysene | 730 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 730 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 730 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 730 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 730 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 730 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-069 East of Ca-14 adjacent to 55 gal drum

Northing: 18025.00
 Easting: 154647.00
 Elevation:

LL1ss-069-0562-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 36 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Dimethyl Phthalate | 730 | UG/KG | U | U | | |
| REG | Fluoranthene | 730 | UG/KG | U | U | | |
| REG | Fluorene | 730 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 730 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 730 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 730 | UG/KG | U | UJ | C05 | |
| REG | Hexachloroethane | 730 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 730 | UG/KG | U | U | | |
| REG | Isophorone | 730 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 730 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 730 | UG/KG | U | U | | |
| REG | Naphthalene | 730 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 1800 | UG/KG | U | U | | |
| REG | Phenanthrene | 730 | UG/KG | U | U | | |
| REG | Phenol | 730 | UG/KG | U | U | | |
| REG | Pyrene | 730 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | U | | |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | |
| REG | Chloroform | 2 | UG/KG | J | J | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 5 | UG/KG | JB | UJ | C05,F01,F06 | |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 3 | UG/KG | J | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-071 North of CB-13A in drainage ditch

Northing: 18157.00
 Easting: 154002.00
 Elevation:

LL1ss-071-0558-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 80 | DEG F |
|--------------------|--|-----------------|-----|-------|
| | | Head Space | 36 | PPM |
| | | Organic Vapor | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 16000 | MG/KG | = | | |
| REG | Arsenic | 14.5 | MG/KG | = | | |
| REG | Barium | 56.7 | MG/KG | = | | |
| REG | Cadmium | 0.33 | MG/KG | B | J | F06 |
| REG | Chromium | 18.5 | MG/KG | = | | |
| REG | Lead | 13.5 | MG/KG | = | | |
| REG | Manganese | 134 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 |
| REG | Selenium | 1.5 | MG/KG | = | | |
| REG | Silver | 0.24 | MG/KG | U | U | |
| REG | Zinc | 48.2 | MG/KG | = | | |

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

Location: Load Line 1
 Station : LL1ss-072 DETERMINED ON FIELD OBSERVATION

Northing: 18479.00
 Easting: 154463.00
 Elevation:

LL1ss-072-0560-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/90

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 16400 | MG/KG | = | | |
| REG | Arsenic | 15 | MG/KG | = | | |
| REG | Barium | 168 | MG/KG | = | | |
| REG | Cadmium | 0.25 | MG/KG | B | J | F06 |
| REG | Chromium | 18.2 | MG/KG | = | | |
| REG | Lead | 13.1 | MG/KG | = | | |
| REG | Manganese | 113 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 |
| REG | Selenium | 1.1 | MG/KG | = | | |
| REG | Silver | 0.25 | MG/KG | U | U | |
| REG | Zinc | 59.1 | MG/KG | = | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station: LL1ss-073 DETERMINED BASED ON FIELD OBSERVATION

Northing: 18411.00
 Easting: 154842.00
 Elevation:

LL1ss-073-0563-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 65 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|------------|------|-----------------|--|--|
| | | Head Space | 1200 | PPM | | | | |
| | | Organic Vapor | 17.5 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code | | |
| | | | | Lab | Data | | | |
| REG | Aluminum | 21200 | MG/KG | = | | | | |
| REG | Arsenic | 24.6 | MG/KG | = | | | | |
| REG | Barium | 104 | MG/KG | = | | | | |
| REG | Cadmium | 0.42 | MG/KG | B | J | F06 | | |
| REG | Chromium | 22.5 | MG/KG | = | | | | |
| REG | Lead | 31.4 | MG/KG | = | | | | |
| REG | Manganese | 724 | MG/KG | = | | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | | |
| REG | Selenium | 2.6 | MG/KG | = | | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 57.6 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code | | |
| | | | | Lab | Data | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | UJ | P02 | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 1
 Station: LL1ss-074 DETERMINED IN FIELD

Northing: 15084.00
 Easting: 155689.00
 Elevation:

LL1ss-074-0671-SO 0.0 - 0.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Sample Type | Cyanide | Result | Units | Qualifiers | | Validation Code | |
|-------------|-----------|--------|-------|------------|------|-----------------|--|
| | | | | Lab | Data | | |
| REG | Cyanide | 0.11 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | Aluminum | 9480 | MG/KG | = | | | |
| REG | Antimony | 0.33 | MG/KG | U | U | | |
| REG | Arsenic | 14.8 | MG/KG | = | | | |
| REG | Barium | 72.7 | MG/KG | = | | | |
| REG | Beryllium | 0.58 | MG/KG | = | | | |
| REG | Cadmium | 0.25 | MG/KG | B | J | F06 | |
| REG | Calcium | 1650 | MG/KG | = | | | |
| REG | Chromium | 14.3 | MG/KG | = | | | |
| REG | Cobalt | 10.5 | MG/KG | = | | | |
| REG | Copper | 19.3 | MG/KG | = | | | |
| REG | Iron | 23800 | MG/KG | = | | | |
| REG | Lead | 10.8 | MG/KG | = | | | |
| REG | Magnesium | 3260 | MG/KG | = | | | |
| REG | Manganese | 279 | MG/KG | = | | | |
| REG | Mercury | 0.03 | MG/KG | B | J | F06 | |
| REG | Nickel | 30.1 | MG/KG | = | | | |
| REG | Potassium | 1110 | MG/KG | = | | | |
| REG | Selenium | 0.33 | MG/KG | U | U | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Sodium | 176 | MG/KG | B | J | F06 | |
| REG | Thallium | 2.5 | MG/KG | = | | | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1ss-074 DETERMINED IN FIELD

Northing: 15084.00
Easting: 156689.00
Elevation:

LL1ss-074-0671-SO 0.0 - 0.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------|--------|-------|----------------|------|-----------------|
| REG | Vanadium | 15.5 | MG/KG | = | | |
| REG | Zinc | 56.3 | MG/KG | = | | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| DIL | 4,4'-DDD | 27 | UG/KG | U | U | |
| DIL | 4,4'-DDE | 27 | UG/KG | U | U | |
| DIL | 4,4'-DDT | 27 | UG/KG | U | UJ | C08 |
| DIL | Aldrin | 14 | UG/KG | U | U | |
| DIL | Alpha Chlordane | 14 | UG/KG | U | U | |
| DIL | Alpha-BHC | 14 | UG/KG | U | U | |
| DIL | Aroclor-1016 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1221 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1232 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1242 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1248 | 360 | UG/KG | U | U | |
| DIL | Aroclor-1254 | 730 | UG/KG | U | U | |
| DIL | Aroclor-1260 | 730 | UG/KG | U | U | |
| DIL | Beta-BHC | 14 | UG/KG | U | U | |
| DIL | Delta-BHC | 14 | UG/KG | U | U | |
| DIL | Dieldrin | 27 | UG/KG | U | U | |
| DIL | Endosulfan I | 14 | UG/KG | U | U | |
| DIL | Endosulfan II | 27 | UG/KG | U | U | |
| DIL | Endosulfan Sulfate | 27 | UG/KG | U | U | |
| DIL | Endrin | 27 | UG/KG | U | U | |
| DIL | Endrin Aldehyde | 27 | UG/KG | U | U | |
| DIL | Endrin Ketone | 27 | UG/KG | U | U | |
| DIL | Gamma Chlordane | 14 | UG/KG | U | U | |
| DIL | Gamma-BHC (Lindane) | 14 | UG/KG | U | U | |
| DIL | Heptachlor | 14 | UG/KG | U | U | |
| DIL | Heptachlor Epoxide | 14 | UG/KG | U | U | |
| DIL | Methoxychlor | 140 | UG/KG | U | U | |
| DIL | Toxaphene | 900 | UG/KG | U | U | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station: LL1ss-074 DETERMINED IN FIELD

Northing: 15084.00
Easting: 155689.00
Elevation:

LL1ss-074-0671-SO 0.0 - 0.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |
| REG | Dieldrin | 2.7 | UG/KG | U | U | |
| REG | Endosulfan I | 40 | UG/KG | PE | J | C08,C14,M08 |
| REG | Endosulfan II | 2.7 | UG/KG | U | UJ | C08 |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | U | |
| REG | Endrin | 2.7 | UG/KG | U | UJ | C08 |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | UJ | C08 |
| REG | Endrin Ketone | 2.7 | UG/KG | U | UJ | C08 |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | UJ | C08 |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | UJ | C08 |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 |
| REG | Toxaphene | 90 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-------------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,2,4-Trichlorobenzene | 720 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 720 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 720 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 720 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 720 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 720 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 720 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 720 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 720 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 720 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 720 | UG/KG | U | U | |
| REG | 2-Methylphenol | 720 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 720 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 720 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 720 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 720 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 720 | UG/KG | U | U | |
| REG | 4-Methylphenol | 720 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 720 | UG/KG | U | U | |
| REG | Acenaphthene | 720 | UG/KG | U | U | |
| REG | Acenaphthylene | 720 | UG/KG | U | U | |
| REG | Anthracene | 720 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 720 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 720 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 720 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 720 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 720 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 720 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 720 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 120 | UG/KG | J | J | |
| REG | Butyl Benzyl Phthalate | 720 | UG/KG | U | U | |
| REG | Carbazole | 720 | UG/KG | U | U | |
| REG | Chrysene | 720 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 720 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 720 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 720 | UG/KG | U | U | |
| REG | Dibenzofuran | 720 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 720 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 720 | UG/KG | U | U | |
| REG | Fluoranthene | 720 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
Station : LL1ss-074 DETERMINED IN FIELD

Northing: 15084.00
Easting: 155689.00
Elevation:

LL1ss-074-0671-SO 0.0 - 0.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|----------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Fluorene | 720 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 720 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 720 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 720 | UG/KG | U | UJ | C05 |
| REG | Hexachloroethane | 720 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 720 | UG/KG | U | U | |
| REG | Isophorone | 720 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 720 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 720 | UG/KG | U | U | |
| REG | Naphthalene | 720 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | |
| REG | Phenanthrene | 720 | UG/KG | U | U | |
| REG | Phenol | 720 | UG/KG | U | U | |
| REG | Pyrene | 720 | UG/KG | U | U | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|---------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 2-Butanone | 5 | UG/KG | U | U | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | |
| REG | Acetone | 5 | UG/KG | U | U | |
| REG | Benzene | 5 | UG/KG | U | U | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | |
| REG | Bromoform | 5 | UG/KG | U | U | |
| REG | Bromomethane | 5 | UG/KG | U | U | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 |
| REG | Chloroform | 5 | UG/KG | U | U | |
| REG | Chloromethane | 5 | UG/KG | U | U | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | |
| REG | Methylene Chloride | 6 | UG/KG | B | U | F01,F07 |
| REG | Styrene | 5 | UG/KG | U | U | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | |
| REG | Toluene | 5 | UG/KG | U | U | |
| REG | Trichloroethene | 5 | UG/KG | U | U | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | |
| REG | o-Xylene | 5 | UG/KG | U | U | |

Location: Load Line 1
Station : LL1ss-075 TBD: Near CB-4A

Northing: 20790.00
Easting: 155661.00
Elevation:

LL1ss-075-0680-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 4540 | MG/KG | = | = | |
| REG | Arsenic | 9.7 | MG/KG | = | = | |
| REG | Barium | 69.6 | MG/KG | = | = | |
| REG | Cadmium | 3.3 | MG/KG | = | = | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 1
 Station : LL1ss-075 TBD: Near CB-4A

Northing: 20790.00
 Easting: 155661.00
 Elevation:

LL1ss-075-0680-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Chromium | 30.6 | MG/KG | = | | |
| REG | Lead | 446 | MG/KG | * | = | |
| REG | Manganese | 558 | MG/KG | * | = | |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Selenium | 0.69 | MG/KG | = | | |
| REG | Silver | 0.24 | MG/KG | B | J | F06 |
| REG | Zinc | 353 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 550 | UG/KG | = | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 110000 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | HMX | 2000 | UG/KG | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | | |
| REG | RDX | 1000 | UG/KG | U | UJ | H02,P02 |
| REG | Tetryl | 650 | UG/KG | U | UJ | H02,P02 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2SS-043

Locations TBD as needed based on field observation

Northing: 14931.00
Easting: 161852.00
Elevation:

LL2ss-043-0137-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 3990 | MG/KG | | = | |
| REG | Antimony | 0.3 | MG/KG | U | U | |
| REG | Arsenic | 8.9 | MG/KG | | = | |
| REG | Barium | 24.4 | MG/KG | | = | |
| REG | Beryllium | 0.28 | MG/KG | | = | |
| REG | Cadmium | 0.52 | MG/KG | | = | |
| REG | Calcium | 921 | MG/KG | | = | |
| REG | Chromium | 5.7 | MG/KG | | = | |
| REG | Cobalt | 4.3 | MG/KG | | = | |
| REG | Copper | 18.2 | MG/KG | | = | |
| REG | Iron | 12200 | MG/KG | | = | |
| REG | Lead | 21.6 | MG/KG | | = | |
| REG | Magnesium | 923 | MG/KG | | = | |
| REG | Manganese | 214 | MG/KG | | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Nickel | 9.1 | MG/KG | | = | |
| REG | Potassium | 546 | MG/KG | | = | |
| REG | Selenium | 0.3 | MG/KG | U | U | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Sodium | 148 | MG/KG | B | J | F06 |
| REG | Thallium | 0.81 | MG/KG | | = | |
| REG | Vanadium | 7.2 | MG/KG | | = | |
| REG | Zinc | 71.1 | MG/KG | | = | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 2.8 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 2.8 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.8 | UG/KG | U | UJ | C08 |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 37 | UG/KG | U | U | |
| REG | Aroclor-1221 | 37 | UG/KG | U | U | |
| REG | Aroclor-1232 | 37 | UG/KG | U | U | |
| REG | Aroclor-1242 | 37 | UG/KG | U | U | |
| REG | Aroclor-1248 | 37 | UG/KG | U | U | |
| REG | Aroclor-1254 | 74 | UG/KG | U | U | |
| REG | Aroclor-1260 | 74 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |
| REG | Dieldrin | 2.8 | UG/KG | U | U | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.8 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.8 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2SS-043 Locations TBD as needed based on field observation

Northing: 14931.00
 Easting: 151852.00
 Elevation:

LL2ss-043-0137-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Endrin | 2.8 | UG/KG | U | UJ | C08 | |
| REG | Endrin Aldehyde | 2.8 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.8 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 92 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 730 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 730 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 730 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 730 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 730 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 1800 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 730 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 730 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 730 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 1800 | UG/KG | U | UJ | C05 | |
| REG | 2-Chloronaphthalene | 730 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 730 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 730 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 730 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 1800 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 730 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 1800 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 1800 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 730 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 730 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 730 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 730 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 730 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 1800 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 1800 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 730 | UG/KG | U | U | | |
| REG | Acenaphthene | 730 | UG/KG | U | U | | |
| REG | Acenaphthylene | 730 | UG/KG | U | U | | |
| REG | Anthracene | 730 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 730 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 730 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 730 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 730 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 730 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 730 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 730 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 730 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 730 | UG/KG | U | U | | |
| REG | Carbazole | 730 | UG/KG | U | U | | |
| REG | Chrysene | 730 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 730 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 730 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 730 | UG/KG | U | U | | |
| REG | Dibenzofuran | 730 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 730 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 730 | UG/KG | U | U | | |
| REG | Fluoranthene | 730 | UG/KG | U | U | | |
| REG | Fluorene | 730 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 730 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 730 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2SS-043 Locations TBD as needed based on field observation

Northing: 14931.00
 Easting: 151862.00
 Elevation:

LL2ss-043-0137-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 78 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Hexachlorocyclopentadiene | 730 | UG/KG | U | UJ | C05 |
| REG | Hexachloroethane | 730 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 730 | UG/KG | U | U | |
| REG | Isophorone | 730 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 730 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 730 | UG/KG | U | U | |
| REG | Naphthalene | 730 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1800 | UG/KG | U | U | |
| REG | Phenanthrene | 730 | UG/KG | U | U | |
| REG | Phenol | 730 | UG/KG | U | U | |
| REG | Pyrene | 730 | UG/KG | U | U | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 2-Butanone | 5 | UG/KG | U | U | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | |
| REG | Acetone | 5 | UG/KG | U | UJ | C05 |
| REG | Benzene | 5 | UG/KG | U | U | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | |
| REG | Bromoform | 5 | UG/KG | U | U | |
| REG | Bromomethane | 5 | UG/KG | U | U | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 |
| REG | Chloroform | 3 | UG/KG | J | J | |
| REG | Chloromethane | 5 | UG/KG | U | U | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | |
| REG | Methylene Chloride | 7 | UG/KG | B | U | F01,F07 |
| REG | Styrene | 5 | UG/KG | U | U | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | |
| REG | Toluene | 5 | UG/KG | U | U | |
| REG | Trichloroethene | 5 | UG/KG | U | U | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | |
| REG | o-Xylene | 5 | UG/KG | U | U | |

Location: Load Line 2
 Station: LL2SS-045 Locations TBD as needed based on field observation

Northing: 19549.00
 Easting: 152062.00
 Elevation:

LL2ss-045-0139-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 78 | DEG F | | |
|--------------------|--------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2SS-045

Locations TBD as needed based on field observation

Northing: 19549.00
Easting: 162062.00
Elevation:

LL2ss-045-0139-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 4960 | MG/KG | = | | | |
| REG | Arsenic | 10.9 | MG/KG | N | J | 101 | |
| REG | Barium | 38.7 | MG/KG | = | | | |
| REG | Cadmium | 1.6 | MG/KG | = | | | |
| REG | Chromium | 12.3 | MG/KG | E | = | | |
| REG | Lead | 210 | MG/KG | J | | 101 | |
| REG | Manganese | 265 | MG/KG | N | J | 101 | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.36 | MG/KG | U | U | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 501 | MG/KG | = | | | |

Location: Load Line 2
Station: LL2ss-001

Adjacent to washout facilities

Northing: 14544.00
Easting: 162251.00
Elevation:

LL2ss-001-0087-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 5220 | MG/KG | * | = | | |
| REG | Arsenic | 8.1 | MG/KG | = | | | |
| REG | Barium | 67.7 | MG/KG | = | | | |
| REG | Cadmium | 3.3 | MG/KG | = | | | |
| REG | Chromium | 35.2 | MG/KG | * | = | | |
| REG | Lead | 310 | MG/KG | = | | | |
| REG | Manganese | 426 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.39 | MG/KG | B | J | F06 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 536 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 590 | UG/KG | = | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | | | |
| REG | 2,4,6-Trinitrotoluene | 32000 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

LL2ss-001-0088-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 65 | DEG F | | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 12900 | MG/KG | * | = | | |
| REG | Arsenic | 8.3 | MG/KG | = | | | |
| REG | Barium | 160 | MG/KG | = | | | |
| REG | Cadmium | 4.2 | MG/KG | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-001 Adjacent to washout facilities

Northing: 14544.00
 Easting: 152261.00
 Elevation:

LL2ss-001-0088-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 65 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Chromium | 14.7 | MG/KG | * | = | |
| REG | Lead | 191 | MG/KG | | = | |
| REG | Manganese | 1240 | MG/KG | * | = | |
| REG | Mercury | 0.11 | MG/KG | | = | |
| REG | Selenium | 0.34 | MG/KG | U | U | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 359 | MG/KG | | = | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 890 | UG/KG | | J | M08 |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 36000 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 2
 Station : LL2ss-002 Adjacent to washout facilities

Northing: 14431.00
 Easting: 152316.00
 Elevation:

LL2ss-002-0089-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 65 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 9500 | MG/KG | | = | |
| REG | Arsenic | 13.9 | MG/KG | | = | |
| REG | Barium | 108 | MG/KG | | = | |
| REG | Cadmium | 2.9 | MG/KG | | = | |
| REG | Chromium | 20.2 | MG/KG | | = | |
| REG | Lead | 183 | MG/KG | | = | |
| REG | Manganese | 451 | MG/KG | | = | |
| REG | Mercury | 0.06 | MG/KG | | = | |
| REG | Selenium | 1.4 | MG/KG | | = | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 662 | MG/KG | | = | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 2400 | UG/KG | | * | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-003 Adjacent to washout facilities

Northing: 14521.00
 Easting: 152213.00
 Elevation:

LL2ss-003-0090-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9330 | MG/KG | * | = | | |
| REG | Arsenic | 8.4 | MG/KG | N | = | | |
| REG | Barium | 35.4 | MG/KG | | = | | |
| REG | Cadmium | 0.08 | MG/KG | B | J | F06 | |
| REG | Chromium | 9.1 | MG/KG | | = | | |
| REG | Lead | 18.1 | MG/KG | | = | | |
| REG | Manganese | 146 | MG/KG | * | = | | |
| REG | Mercury | 0.05 | MG/KG | | = | | |
| REG | Selenium | 0.58 | MG/KG | | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 55.8 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 750 | UG/KG | P | J | M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
 Station : LL2ss-004 Adjacent to washout facilities

Northing: 14406.00
 Easting: 152266.00
 Elevation:

LL2ss-004-0091-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 66 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 3790 | MG/KG | | = | | |
| REG | Arsenic | 6.1 | MG/KG | | = | | |
| REG | Barium | 249 | MG/KG | | = | | |
| REG | Cadmium | 2.9 | MG/KG | | = | | |
| REG | Chromium | 12.6 | MG/KG | | = | | |
| REG | Lead | 112 | MG/KG | | = | | |
| REG | Manganese | 859 | MG/KG | | = | | |
| REG | Mercury | 0.07 | MG/KG | | = | | |
| REG | Selenium | 0.43 | MG/KG | B | J | F06 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 228 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 54000 | UG/KG | EP | J | M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-004 Adjacent to washout facilities
 Northing: 14406.00
 Easting: 152266.00
 Elevation:

LL2ss-004-0091-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
 Station : LL2ss-005 Along south side of building
 Northing: 14384.00
 Easting: 152221.00
 Elevation:

LL2ss-005-0092-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8950 | MG/KG | = | | | |
| REG | Arsenic | 6.7 | MG/KG | = | | | |
| REG | Barium | 78.5 | MG/KG | = | | | |
| REG | Cadmium | 0.82 | MG/KG | = | | | |
| REG | Chromium | 21.4 | MG/KG | = | | | |
| REG | Lead | 55.6 | MG/KG | = | | | |
| REG | Manganese | 439 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | |
| REG | Selenium | 0.94 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 120 | MG/KG | = | | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 12000 | UG/KG | EP | J | M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 280 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
 Station : LL2ss-006 Along south side of building
 Northing: 14356.00
 Easting: 152172.00
 Elevation:

LL2ss-006-0093-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 5030 | MG/KG | = | | | |
| REG | Arsenic | 7.3 | MG/KG | = | | | |
| REG | Barium | 129 | MG/KG | = | | | |
| REG | Cadmium | 3.6 | MG/KG | = | | | |
| REG | Chromium | 35.3 | MG/KG | = | | | |
| REG | Lead | 265 | MG/KG | = | | | |
| REG | Manganese | 959 | MG/KG | = | | | |
| REG | Mercury | 0.94 | MG/KG | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-006 Along south side of building

Northing: 14356.00
Easting: 152172.00
Elevation:

LL2ss-006-0093-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 68 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Selenium | 1.2 | MG/KG | = | | |
| REG | Silver | 1.5 | MG/KG | = | | |
| REG | Zinc | 339 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 25000 | UG/KG | EP | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 2
Station: LL2ss-007 Along north side near vacuums

Northing: 14469.00
Easting: 152120.00
Elevation:

LL2ss-007-0094-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

| Field Measurements | | Air Temperature | 68 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 14100 | MG/KG | * | = | |
| REG | Arsenic | 16.2 | MG/KG | N | = | |
| REG | Barium | 80 | MG/KG | | = | |
| REG | Cadmium | 0.05 | MG/KG | U | U | |
| REG | Chromium | 16.9 | MG/KG | | = | |
| REG | Lead | 24.7 | MG/KG | | = | |
| REG | Manganese | 417 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.34 | MG/KG | U | U | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 80.2 | MG/KG | | = | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 1900 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-008

Adjacent to vacuum pump house near exhaust vent

Northing: 14550.00
Easting: 152142.00
Elevation:

LL2ss-008-0095-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.1 | MG/KG | B | J | F06 | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10200 | MG/KG | = | | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | |
| REG | Arsenic | 13 | MG/KG | = | | | |
| REG | Barium | 60.5 | MG/KG | = | | | |
| REG | Beryllium | 0.5 | MG/KG | = | | | |
| REG | Cadmium | 0.38 | MG/KG | B | J | F06 | |
| REG | Calcium | 1890 | MG/KG | = | | | |
| REG | Chromium | 12.4 | MG/KG | = | | | |
| REG | Cobalt | 6.5 | MG/KG | = | | | |
| REG | Copper | 11.7 | MG/KG | = | | | |
| REG | Iron | 20100 | MG/KG | = | | | |
| REG | Lead | 16.9 | MG/KG | = | | | |
| REG | Magnesium | 1540 | MG/KG | = | | | |
| REG | Manganese | 319 | MG/KG | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Nickel | 12.7 | MG/KG | = | | | |
| REG | Potassium | 895 | MG/KG | = | | | |
| REG | Selenium | 1.4 | MG/KG | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 151 | MG/KG | B | J | F06 | |
| REG | Thallium | 2.4 | MG/KG | = | | | |
| REG | Vanadium | 19.2 | MG/KG | = | | | |
| REG | Zinc | 63.4 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.9 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 55 | UG/KG | DP | J | M08 | |
| REG | 4,4'-DDT | 33 | UG/KG | DP | J | M08 | |
| REG | Aldrin | 1.5 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 1900 | UG/KG | D | = | | |
| REG | Aroclor-1260 | 78 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-008

Adjacent to vacuum pump house near exhaust vent

Northing: 14550.00
Easting: 152142.00
Elevation:

LL2ss-008-0095-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 79 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Dieldrin | 2.9 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.9 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.9 | UG/KG | U | U | | | |
| REG | Endrin | 2.9 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 120 | UG/KG | PE | J | M08,M07 | | |
| REG | Endrin Ketone | 2.9 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 7.5 | UG/KG | P | J | M08,M07 | | |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.5 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 4.2 | UG/KG | P | J | M08 | | |
| REG | Methoxychlor | 15 | UG/KG | U | U | | | |
| REG | Toxaphene | 96 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 770 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 770 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 770 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 770 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 770 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 1900 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 770 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 770 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 770 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 1900 | UG/KG | U | UJ | C05 | | |
| REG | 2-Chloronaphthalene | 770 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 770 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 120 | UG/KG | J | J | | | |
| REG | 2-Methylphenol | 770 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 1900 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 770 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 1900 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 1900 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 770 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 770 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 770 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 770 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 770 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 1900 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 1900 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 770 | UG/KG | U | U | | | |
| REG | Acenaphthene | 740 | UG/KG | J | J | | | |
| REG | Acenaphthylene | 770 | UG/KG | U | U | | | |
| REG | Anthracene | 1900 | UG/KG | = | = | | | |
| REG | Benzo(a)anthracene | 2900 | UG/KG | = | = | | | |
| REG | Benzo(a)pyrene | 2300 | UG/KG | = | = | | | |
| REG | Benzo(b)fluoranthene | 770 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 1100 | UG/KG | = | = | | | |
| REG | Benzo(k)fluoranthene | 3200 | UG/KG | = | = | | | |
| REG | Bis(2-chloroethoxy)methane | 770 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 770 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 770 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 810 | UG/KG | = | = | | | |
| REG | Carbazole | 1200 | UG/KG | = | = | | | |
| REG | Chrysene | 2700 | UG/KG | = | = | | | |
| REG | Di-n-butyl Phthalate | 770 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 770 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 720 | UG/KG | J | J | | | |
| REG | Dibenzofuran | 540 | UG/KG | J | J | | | |
| REG | Diethyl Phthalate | 770 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 770 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-008 Adjacent to vacuum pump house near exhaust vent

Northing: 14550.00
 Easting: 152142.00
 Elevation:

LL2ss-008-0095-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 79 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Fluoranthene | 7700 | UG/KG | = | | |
| REG | Fluorene | 910 | UG/KG | = | | |
| REG | Hexachlorobenzene | 770 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 770 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 770 | UG/KG | U | UJ | C05 |
| REG | Hexachloroethane | 770 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 1300 | UG/KG | = | | |
| REG | Isophorone | 770 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 770 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 770 | UG/KG | U | U | |
| REG | Naphthalene | 270 | UG/KG | J | J | |
| REG | Pentachlorophenol | 1900 | UG/KG | U | U | |
| REG | Phenanthrene | 6400 | UG/KG | = | | |
| REG | Phenol | 770 | UG/KG | U | U | |
| REG | Pyrene | 5000 | UG/KG | = | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | G02 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | G02 |
| REG | Benzene | 5 | UG/KG | U | UJ | G02 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | G02 |
| REG | Bromoform | 5 | UG/KG | U | UJ | G02 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | G02 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | G02 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,G02 |
| REG | Chloroform | 2 | UG/KG | J | UJ | G02 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | G02 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | G02 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Methylene Chloride | 5 | UG/KG | JB | UJ | C05,F01,F06 |
| REG | Styrene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Toluene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | G02 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | G02 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | G02,K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 |

Location: Load Line 2
 Station: LL2ss-009 Adjacent to washout facilities

Northing: 14103.00
 Easting: 152487.00
 Elevation:

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

LL2ss-009-0096-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 67 | DEG | F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | NR | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 3530 | MG/KG | = | | | |
| REG | Arsenic | 7.2 | MG/KG | = | | | |
| REG | Barium | 19.4 | MG/KG | = | | | |
| REG | Cadmium | 0.43 | MG/KG | B | J | F06 | |
| REG | Chromium | 5.7 | MG/KG | = | | | |
| REG | Lead | 19.5 | MG/KG | = | | | |
| REG | Manganese | 218 | MG/KG | = | | | |
| REG | Mercury | .04 | MG/KG | U | U | | |
| REG | Selenium | 0.33 | MG/KG | U | U | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 82 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | UJ | P02 | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 4000 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
Station: LL2ss-010 Adjacent to washout facilitiesNorthing: 13989.00
Easting: 152542.00
Elevation:

LL2ss-010-0097-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 67 | DEG | F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | NR | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10200 | MG/KG | * | = | | |
| REG | Arsenic | 18.4 | MG/KG | N | = | | |
| REG | Barium | 71 | MG/KG | * | = | | |
| REG | Cadmium | 0.85 | MG/KG | = | | | |
| REG | Chromium | 15.5 | MG/KG | * | = | | |
| REG | Lead | 20.4 | MG/KG | * | = | | |
| REG | Manganese | 481 | MG/KG | = | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | |
| REG | Selenium | 0.35 | MG/KG | UN | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 72.7 | MG/KG | N | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 62000 | UG/KG | = | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 410000 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 9400 | UG/KG | = | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 68000 | UG/KG | = | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-011 Adjacent to washout facilities

Northing: 14078.00
Easting: 152437.00
Elevation:

LL2ss-011-0098-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8600 | MG/KG | = | | | | |
| REG | Arsenic | 15.6 | MG/KG | = | | | | |
| REG | Barium | 50 | MG/KG | = | | | | |
| REG | Cadmium | 0.74 | MG/KG | = | | | | |
| REG | Chromium | 14.3 | MG/KG | = | | | | |
| REG | Lead | 20.7 | MG/KG | = | | | | |
| REG | Manganese | 422 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.36 | MG/KG | U | U | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 66.1 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | UJ | P02 | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 3200 | UG/KG | J | | M08,M02 | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 2
Station: LL2ss-012 Adjacent to washout facilities

Northing: 13958.00
Easting: 152530.00
Elevation:

LL2ss-012-0099-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 67 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | NR | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 6600 | MG/KG | * | = | | | |
| REG | Arsenic | 18.8 | MG/KG | N | = | | | |
| REG | Barium | 48.6 | MG/KG | * | * | | | |
| REG | Cadmium | 0.67 | MG/KG | = | | | | |
| REG | Chromium | 20.3 | MG/KG | * | = | | | |
| REG | Lead | 113 | MG/KG | * | = | | | |
| REG | Manganese | 501 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.34 | MG/KG | UN | U | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 152 | MG/KG | N | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 4600 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-012 Adjacent to washout facilities

Northing: 13958.00
 Easting: 152530.00
 Elevation:

LL2ss-012-0099-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 75 | DEG | F | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 42000 | UG/KG | PE | J | M08 | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
 Station : LL2ss-013 Along north side of building

Northing: 14056.00
 Easting: 152392.00
 Elevation:

LL2ss-013-0100-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

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

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|---------|--------|-------|----------------|------|-----------------|--|
| REG | Cyanide | 0.44 | MG/KG | BN | J | F06 | |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-----------|--------|-------|----------------|------|-----------------|--|
| REG | Aluminum | 9680 | MG/KG | * | = | | |
| REG | Antimony | 0.33 | MG/KG | UN | U | | |
| REG | Arsenic | 12.3 | MG/KG | N | J | I01 | |
| REG | Barium | 110 | MG/KG | N | = | | |
| REG | Beryllium | 0.77 | MG/KG | * | = | | |
| REG | Cadmium | 6 | MG/KG | = | = | | |
| REG | Calcium | 28700 | MG/KG | * | = | | |
| REG | Chromium | 22.1 | MG/KG | * | = | | |
| REG | Cobalt | 8.8 | MG/KG | = | = | | |
| REG | Copper | 53.4 | MG/KG | = | = | | |
| REG | Iron | 22700 | MG/KG | * | = | | |
| REG | Lead | 370 | MG/KG | = | = | | |
| REG | Magnesium | 7350 | MG/KG | N | J | I02 | |
| REG | Manganese | 654 | MG/KG | * | = | | |
| REG | Mercury | 0.08 | MG/KG | N | J | I02 | |
| REG | Nickel | 28.8 | MG/KG | E | = | | |
| REG | Potassium | 1230 | MG/KG | = | = | | |
| REG | Selenium | 0.85 | MG/KG | = | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Sodium | 223 | MG/KG | B | J | F06 | |
| REG | Thallium | 2.4 | MG/KG | N* | = | | |
| REG | Vanadium | 13.4 | MG/KG | * | = | | |
| REG | Zinc | 888 | MG/KG | = | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | UJ | P02 | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 440 | UG/KG | = | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|------------------------|--------|-------|----------------|------|-----------------|--|
|-------------|------------------------|--------|-------|----------------|------|-----------------|--|

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-013 Along north side of building

Northing: 14056.00
 Easting: 152392.00
 Elevation:

LL2ss-013-0100-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 67 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.7 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 3.9 | UG/KG | P | J | C08 | |
| REG | 4,4'-DDT | 13 | UG/KG | P | J | C08.M08 | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 650 | UG/KG | DJP | J | M08 | |
| REG | Aroclor-1260 | 73 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | UJ | C08 | |
| REG | Endrin | 2.7 | UG/KG | U | J | M08 | |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.7 | UG/KG | U | UJ | C08 | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | UJ | C08 | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 90 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 720 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 720 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 720 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 720 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 720 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 720 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 720 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 720 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 720 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 720 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 720 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 720 | UG/KG | U | U | | |
| REG | Acenaphthene | 720 | UG/KG | U | U | | |
| REG | Acenaphthylene | 720 | UG/KG | U | U | | |
| REG | Anthracene | 720 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 88 | UG/KG | J | J | | |
| REG | Benzo(a)pyrene | 120 | UG/KG | J | J | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-013 Along north side of building

Northing: 14066.00
 Easting: 152392.00
 Elevation:

LL2ss-013-0100-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 67 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | Benzo(b)fluoranthene | 170 | UG/KG | J | J | | |
| REG | Benzo(g,h,i)perylene | 110 | UG/KG | J | J | | |
| REG | Benzo(k)fluoranthene | 130 | UG/KG | J | J | | |
| REG | Bis(2-chloroethoxy)methane | 720 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 720 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 720 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Carbazole | 720 | UG/KG | U | U | | |
| REG | Chrysene | 170 | UG/KG | J | J | | |
| REG | Di-n-butyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 720 | UG/KG | U | U | | |
| REG | Dibenzofuran | 720 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Fluoranthene | 180 | UG/KG | J | J | | |
| REG | Fluorene | 720 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 720 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 720 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 720 | UG/KG | U | U | | |
| REG | Hexachloroethane | 720 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 97 | UG/KG | J | J | | |
| REG | Isophorone | 720 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 720 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 720 | UG/KG | U | U | | |
| REG | Naphthalene | 720 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | | |
| REG | Phenanthrene | 100 | UG/KG | J | J | | |
| REG | Phenol | 720 | UG/KG | U | U | | |
| REG | Pyrene | 170 | UG/KG | J | J | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Acetone | 5 | UG/KG | U | UJ | C05,G02,K01 | |
| REG | Benzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromoform | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,G02,K01 | |
| REG | Chloroform | 3 | UG/KG | J | J | G02,K02 | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Methylene Chloride | 7 | UG/KG | B | U | F01,F07,G02 | |
| REG | Styrene | 5 | UG/KG | U | UJ | G02,K01 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2ss-013 Along north side of building

Northing: 14056.00
Easting: 152392.00
Elevation:

LL2ss-013-0100-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 67 | DEG F | | |
|--------------------|-------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Tetrachloroethene | 5 | UG/KG | U UJ | G02,K01 | |
| REG | Toluene | 5 | UG/KG | U UJ | G02,K01 | |
| REG | Trichloroethene | 5 | UG/KG | U UJ | G02,K01 | |
| REG | Vinyl Chloride | 5 | UG/KG | U UJ | G02,K01 | |
| REG | Xylenes, Total | 5 | UG/KG | U UJ | G02,K01 | |
| REG | o-Xylene | 5 | UG/KG | U UJ | G02,K01 | |

Location: Load Line 2
Station : LL2ss-014 Along north side of building

Northing: 14028.00
Easting: 152343.00
Elevation:

LL2ss-014-0101-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 67 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 6890 | MG/KG | * | | |
| REG | Arsenic | 8.7 | MG/KG | = | | |
| REG | Barium | 123 | MG/KG | = | | |
| REG | Cadmium | 22.7 | MG/KG | = | | |
| REG | Chromium | 116 | MG/KG | = | | |
| REG | Lead | 881 | MG/KG | = | | |
| REG | Manganese | 754 | MG/KG | = | | |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Selenium | 0.66 | MG/KG | = | | |
| REG | Silver | 0.47 | MG/KG | B J | F06 | |
| REG | Zinc | 892 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U UJ | P02 | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U U | | |
| REG | 2,4,6-Trinitrotoluene | 470000 | UG/KG | DP J | M08,M07 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | HMX | 1500000 | UG/KG | DP J | M08,M07 | |
| REG | Nitrobenzene | 260 | UG/KG | U U | | |
| REG | RDX | 9800000 | UG/KG | DP J | M08,M07 | |
| REG | Tetryl | 650 | UG/KG | U U | | |

Location: Load Line 2
Station : LL2ss-015 Along south side of building near vacuums

Northing: 13920.00
Easting: 152415.00
Elevation:

LL2ss-015-0102-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 67 | DEG F | | |
|--------------------|----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 5970 | MG/KG | * = | | |
| REG | Arsenic | 13.7 | MG/KG | N = | | |
| REG | Barium | 53.9 | MG/KG | * = | | |
| REG | Cadmium | 1.7 | MG/KG | = | | |
| REG | Chromium | 13.3 | MG/KG | * = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2ss-015

Along south side of building near vacuums

Northing: 13920.00
Easting: 152415.00
Elevation:

LL2ss-015-0102-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Lead | 134 | MG/KG | * | = | | |
| REG | Manganese | 336 | MG/KG | | = | | |
| REG | Mercury | 0.05 | MG/KG | | = | | |
| REG | Selenium | 0.35 | MG/KG | UN | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 235 | MG/KG | N | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 1700 | UG/KG | | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

LL2ss-015-0103-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 6510 | MG/KG | * | = | | |
| REG | Arsenic | 13.4 | MG/KG | N | = | | |
| REG | Barium | 49.1 | MG/KG | * | = | | |
| REG | Cadmium | 0.99 | MG/KG | | = | | |
| REG | Chromium | 12.4 | MG/KG | * | = | | |
| REG | Lead | 73.1 | MG/KG | * | = | | |
| REG | Manganese | 355 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | | = | | |
| REG | Selenium | 0.35 | MG/KG | UN | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 143 | MG/KG | N | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 27000 | UG/KG | PE | J | M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-016

Adjacent to vacuum pump house near exhaust vent

Northing: 13902.00
Easting: 152492.00
Elevation:

LL2ss-016-0104-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 9890 | MG/KG | = | | |
| REG | Arsenic | 17.8 | MG/KG | N J | I01 | |
| REG | Barium | 50.5 | MG/KG | = | | |
| REG | Cadmium | 0.77 | MG/KG | = | | |
| REG | Chromium | 15.6 | MG/KG | E | | |
| REG | Lead | 38.5 | MG/KG | J | I01 | |
| REG | Manganese | 325 | MG/KG | N J | I01 | |
| REG | Mercury | 0.04 | MG/KG | U U | | |
| REG | Selenium | 0.34 | MG/KG | U U | | |
| REG | Silver | 0.22 | MG/KG | U U | | |
| REG | Zinc | 264 | MG/KG | = | | |

Location: Load Line 2
Station: LL2ss-017

East of DB4A along pipeline from DB4A

Northing: 14045.00
Easting: 152602.00
Elevation:

LL2ss-017-0106-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 78 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 12500 | MG/KG | = | | |
| REG | Arsenic | 15.5 | MG/KG | N* J | I01, J04 | |
| REG | Barium | 87.1 | MG/KG | = | | |
| REG | Cadmium | 0.42 | MG/KG | B J | F06 | |
| REG | Chromium | 19 | MG/KG | E | | |
| REG | Lead | 48 | MG/KG | * | | |
| REG | Manganese | 591 | MG/KG | * J | J04 | |
| REG | Mercury | 0.04 | MG/KG | U* | U | |
| REG | Selenium | 1.4 | MG/KG | * J | J04 | |
| REG | Silver | 0.22 | MG/KG | U U | | |
| REG | Zinc | 65.4 | MG/KG | E | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | HMX | 2000 | UG/KG | U U | | |
| REG | Nitrobenzene | 260 | UG/KG | U U | | |
| REG | RDX | 1000 | UG/KG | U U | | |
| REG | Tetryl | 650 | UG/KG | U U | | |

LL2ss-017-0106-FD 0.0 - 1.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 11800 | MG/KG | = | | |
| REG | Arsenic | 13.5 | MG/KG | N* J | I01, J04 | |
| REG | Barium | 81.8 | MG/KG | = | | |
| REG | Cadmium | 0.28 | MG/KG | B J | F06 | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-017 East of DB4A along pipeline from DB4A

Northing: 14045.00
 Easting: 152602.00
 Elevation:

LL2ss-017-0106-FD 0.0 - 1.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Chromium | 18.5 | MG/KG | E | = | | |
| REG | Lead | 17.1 | MG/KG | * | = | | |
| REG | Manganese | 356 | MG/KG | * | J | J04 | |
| REG | Mercury | 0.04 | MG/KG | U* | U | | |
| REG | Selenium | 1.1 | MG/KG | * | J | J04 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 55.9 | MG/KG | E | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
 Station : LL2ss-018 East of DB4A adjacent to settling tanks at inlet a

Northing: 14102.00
 Easting: 152664.00
 Elevation:

LL2ss-018-0107-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 13000 | MG/KG | | = | | |
| REG | Arsenic | 24.3 | MG/KG | N* | J | I01, J04 | |
| REG | Barium | 62.5 | MG/KG | | = | | |
| REG | Cadmium | 0.47 | MG/KG | B | J | F06 | |
| REG | Chromium | 17.9 | MG/KG | E | = | | |
| REG | Lead | 13.6 | MG/KG | * | = | | |
| REG | Manganese | 299 | MG/KG | * | J | J04 | |
| REG | Mercury | 0.04 | MG/KG | U* | U | | |
| REG | Selenium | 1.5 | MG/KG | * | J | JO4 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 68.3 | MG/KG | E | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 540 | UG/KG | P | J | M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2800 | UG/KG | | = | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 4700 | UG/KG | | = | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-019

East of DB4A adjacent to settling tanks at inlet a

Northing: 14122.00
Easting: 152703.00
Elevation:

LL2ss-019-0108-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Cyanide | 0.1 | MG/KG | U | U | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 7230 | MG/KG | = | | |
| REG | Antimony | 0.31 | MG/KG | U | U | |
| REG | Arsenic | 9.4 | MG/KG | = | | |
| REG | Barium | 72.8 | MG/KG | = | | |
| REG | Beryllium | 0.96 | MG/KG | = | | |
| REG | Cadmium | 0.22 | MG/KG | B | J | F06 |
| REG | Calcium | 1610 | MG/KG | = | | |
| REG | Chromium | 18 | MG/KG | = | | |
| REG | Cobalt | 12.3 | MG/KG | = | | |
| REG | Copper | 30.7 | MG/KG | = | | |
| REG | Iron | 20100 | MG/KG | = | | |
| REG | Lead | 7 | MG/KG | = | | |
| REG | Magnesium | 2150 | MG/KG | = | | |
| REG | Manganese | 465 | MG/KG | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Nickel | 32.6 | MG/KG | = | | |
| REG | Potassium | 1580 | MG/KG | = | | |
| REG | Selenium | 0.98 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Sodium | 183 | MG/KG | B | J | F06 |
| REG | Thallium | 2.3 | MG/KG | = | | |
| REG | Vanadium | 11.4 | MG/KG | = | | |
| REG | Zinc | 29.8 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 4,4'-DDD | 2.7 | UG/KG | U | U | |
| REG | 4,4'-DDE | 2.7 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.7 | UG/KG | U | U | |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha-Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 36 | UG/KG | U | U | |
| REG | Aroclor-1221 | 36 | UG/KG | U | U | |
| REG | Aroclor-1232 | 36 | UG/KG | U | U | |
| REG | Aroclor-1242 | 36 | UG/KG | U | U | |
| REG | Aroclor-1248 | 36 | UG/KG | U | U | |
| REG | Aroclor-1254 | 74 | UG/KG | U | U | |
| REG | Aroclor-1260 | 74 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-019 East of DB4A adjacent to settling tanks at inlet a

Northing: 14122.00
 Easting: 152703.00
 Elevation:

LL2ss-019-0108-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Dieldrin | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | U | | |
| REG | Endrin | 2.7 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.7 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | U | | |
| REG | Toxaphene | 91 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 720 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 720 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 1800 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 720 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 1800 | UG/KG | U | UJ | C05 | |
| REG | 2-Chloronaphthalene | 720 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 720 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 720 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 720 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 1800 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 720 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 1800 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 1800 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 720 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 720 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 720 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 720 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 720 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 1800 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 1800 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 720 | UG/KG | U | U | | |
| REG | Acenaphthene | 720 | UG/KG | U | U | | |
| REG | Acenaphthylene | 720 | UG/KG | U | U | | |
| REG | Anthracene | 720 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 720 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 720 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 720 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 720 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 720 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 720 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 720 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 720 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Carbazole | 720 | UG/KG | U | U | | |
| REG | Chrysene | 720 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 720 | UG/KG | U | U | | |
| REG | Dibenzofuran | 720 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 720 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-019 East of DB4A adjacent to settling tanks at inlet a

Northing: 14122.00
 Easting: 152703.00
 Elevation:

LL2ss-019-0108-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Fluoranthene | 720 | UG/KG | U | U | | |
| REG | Fluorene | 720 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 720 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 720 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 720 | UG/KG | U | UJ | C05 | |
| REG | Hexachloroethane | 720 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 720 | UG/KG | U | U | | |
| REG | Isophorone | 720 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 720 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 720 | UG/KG | U | U | | |
| REG | Naphthalene | 720 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 1800 | UG/KG | U | U | | |
| REG | Phenanthrene | 720 | UG/KG | U | U | | |
| REG | Phenol | 720 | UG/KG | U | U | | |
| REG | Pyrene | 720 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | U | | |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | |
| REG | Chloroform | 3 | UG/KG | J | J | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 5 | UG/KG | JB | UJ | C05,F01,F06 | |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

LL2ss-019-0109-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|---------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-019 East of DB4A adjacent to settling tanks at inlet a

Northing: 14122.00
 Easting: 152703.00
 Elevation:

LL2ss-019-0109-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|---------------------|----|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab Data | | Validation Code | |
| REG | Cyanide | 0.38 | MG/KG | B | J | F06 | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | | Validation Code | |
| REG | Aluminum | 8920 | MG/KG | = | | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | |
| REG | Arsenic | 6.9 | MG/KG | = | | | |
| REG | Barium | 85.3 | MG/KG | = | | | |
| REG | Beryllium | 1.1 | MG/KG | = | | | |
| REG | Cadmium | 0.4 | MG/KG | B | J | F06 | |
| REG | Calcium | 22200 | MG/KG | = | | | |
| REG | Chromium | 11.3 | MG/KG | = | | | |
| REG | Cobalt | 7.2 | MG/KG | = | | | |
| REG | Copper | 14.8 | MG/KG | = | | | |
| REG | Iron | 14900 | MG/KG | = | | | |
| REG | Lead | 15.9 | MG/KG | = | | | |
| REG | Magnesium | 4120 | MG/KG | = | | | |
| REG | Manganese | 545 | MG/KG | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Nickel | 16 | MG/KG | = | | | |
| REG | Potassium | 1020 | MG/KG | = | | | |
| REG | Selenium | 0.44 | MG/KG | B | J | F06 | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Sodium | 259 | MG/KG | = | | | |
| REG | Thallium | 1.7 | MG/KG | = | | | |
| REG | Vanadium | 9.7 | MG/KG | = | | | |
| REG | Zinc | 45.9 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab Data | | Validation Code | |
| REG | 4,4'-DDD | 2.7 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.7 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.7 | UG/KG | U | U | | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 74 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 74 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-019 East of DB4A adjacent to settling tanks at inlet a

Northing: 14122.00
 Easting: 152703.00
 Elevation:

LL2ss-019-0109-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Dieldrin | 2.7 | UG/KG | U | U | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.7 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | U | |
| REG | Endrin | 2.7 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.7 | UG/KG | U | U | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | U | |
| REG | Toxaphene | 91 | UG/KG | U | U | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,2,4-Trichlorobenzene | 720 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 720 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 720 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 720 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 720 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 1800 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 720 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 720 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 720 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 1800 | UG/KG | U | UJ | C05 |
| REG | 2-Chloronaphthalene | 720 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 720 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 720 | UG/KG | U | U | |
| REG | 2-Methylphenol | 720 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 1800 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 720 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 1800 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1800 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 720 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 720 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 720 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 720 | UG/KG | U | U | |
| REG | 4-Methylphenol | 720 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 1800 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 1800 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 720 | UG/KG | U | U | |
| REG | Acenaphthene | 720 | UG/KG | U | U | |
| REG | Acenaphthylene | 720 | UG/KG | U | U | |
| REG | Anthracene | 720 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 720 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 720 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 720 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 720 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 720 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 720 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 720 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 720 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 720 | UG/KG | U | U | |
| REG | Carbazole | 720 | UG/KG | U | U | |
| REG | Chrysene | 720 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 720 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 720 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 720 | UG/KG | U | U | |
| REG | Dibenzofuran | 720 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 720 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 720 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2ss-019 East of DB4A adjacent to settling tanks at inlet a

Northing: 14122.00
Easting: 152703.00
Elevation:

LL2ss-019-0109-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 80 | DEG F |
|--------------------|--|-----------------|-----|-------|
| | | Head Space | 0.0 | PPM |
| | | Organic Vapor | 0.0 | PPM |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|----------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Fluoranthene | 720 | UG/KG | U | U | |
| REG | Fluorene | 720 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 720 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 720 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 720 | UG/KG | U | UJ | C05 |
| REG | Hexachloroethane | 720 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 720 | UG/KG | U | U | |
| REG | Isophorone | 720 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 720 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 720 | UG/KG | U | U | |
| REG | Naphthalene | 720 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1800 | UG/KG | U | U | |
| REG | Phenanthrene | 720 | UG/KG | U | U | |
| REG | Phenol | 720 | UG/KG | U | U | |
| REG | Pyrene | 720 | UG/KG | U | U | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|---------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 |
| REG | Chloroform | 3 | UG/KG | J | J | K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 5 | UG/KG | JB | UJ | C05,F01,F06 |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Toluene | 5 | UG/KG | U | UJ | K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 |

Location: Load Line 2
Station : LL2ss-020 North of DB4A adjacent to settling tanks at inlet

Northing: 14484.00
Easting: 152151.00
Elevation:

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

LL2ss-020-0110-SO 0.0 - 0.9 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 10100 | MG/KG | * | = | |
| REG | Arsenic | 16.2 | MG/KG | N | = | |
| REG | Barium | 143 | MG/KG | | = | |
| REG | Cadmium | 1.8 | MG/KG | | = | |
| REG | Chromium | 15.6 | MG/KG | | = | |
| REG | Lead | 67.7 | MG/KG | | = | |
| REG | Manganese | 594 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.38 | MG/KG | B | J | F06 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 612 | MG/KG | | = | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 1300 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 2 Station: LL2ss-021 North of DB4A adjacent to settling tanks at inlet
 Northing: 14501.00 Easting: 152183.00 Elevation:

LL2ss-021-0111-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/11/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 11400 | MG/KG | * | = | |
| REG | Arsenic | 9.8 | MG/KG | N | = | |
| REG | Barium | 58.6 | MG/KG | | = | |
| REG | Cadmium | 0.05 | MG/KG | U | U | |
| REG | Chromium | 11.9 | MG/KG | | = | |
| REG | Lead | 11.8 | MG/KG | | = | |
| REG | Manganese | 328 | MG/KG | * | = | |
| REG | Mercury | 0.05 | MG/KG | | = | |
| REG | Selenium | 0.37 | MG/KG | U | U | |
| REG | Silver | 0.23 | MG/KG | U | U | |
| REG | Zinc | 34.6 | MG/KG | | = | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-022 North of DB4A along pipeline from DB4A

Northing: 14760.00
 Easting: 162294.00
 Elevation:

LL2ss-022-0112-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9400 | MG/KG | * | = | | |
| REG | Arsenic | 12.3 | MG/KG | N | = | | |
| REG | Barium | 64.3 | MG/KG | * | = | | |
| REG | Cadmium | 0.27 | MG/KG | B | J | F06 | |
| REG | Chromium | 16 | MG/KG | * | = | | |
| REG | Lead | 17.5 | MG/KG | * | = | | |
| REG | Manganese | 482 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.35 | MG/KG | UN | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 59.5 | MG/KG | N | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
 Station: LL2ss-023 Northernmost tanks adjacent to settling tanks at i

Northing: 16033.00
 Easting: 162214.00
 Elevation:

LL2ss-023-0113-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8690 | MG/KG | | = | | |
| REG | Arsenic | 13.1 | MG/KG | | = | | |
| REG | Barium | 62.7 | MG/KG | | = | | |
| REG | Cadmium | 0.4 | MG/KG | B | J | F06 | |
| REG | Chromium | 11.5 | MG/KG | | = | | |
| REG | Lead | 16.4 | MG/KG | | = | | |
| REG | Manganese | 410 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.83 | MG/KG | | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 62.6 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 820 | UG/KG | P | J | M07,M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2ss-023

Northernmost tanks adjacent to settling tanks at i

Northing: 15033.00
Easting: 152214.00
Elevation:

LL2ss-023-0113-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|--------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Nitrobenzene | 260 | UG/KG | U U | | |
| REG | RDX | 1000 | UG/KG | U U | | |
| REG | Tetryl | 650 | UG/KG | U U | | |

Location: Load Line 2
Station : LL2ss-024

Northernmost tanks adjacent to settling tanks at i

Northing: 15071.00
Easting: 152255.00
Elevation:

LL2ss-024-0115-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 8000 | MG/KG | = | | |
| REG | Arsenic | 9.7 | MG/KG | = | | |
| REG | Barium | 66.8 | MG/KG | = | | |
| REG | Cadmium | 0.31 | MG/KG | B J | F06 | |
| REG | Chromium | 16.7 | MG/KG | = | | |
| REG | Lead | 16.7 | MG/KG | = | | |
| REG | Manganese | 573 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U U | | |
| REG | Selenium | 1.1 | MG/KG | = | | |
| REG | Silver | 0.22 | MG/KG | U U | | |
| REG | Zinc | 61.5 | MG/KG | = | | |

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

Location: Load Line 2
Station : LL2ss-025

One location near drain exit & one from adjacent s

Northing: 13076.00
Easting: 152790.00
Elevation:

LL2ss-025-0116-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 82 | DEG F | | |
|--------------------|----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Cyanide | 0.19 | MG/KG | B J | F06 | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 5060 | MG/KG | * = | | |
| REG | Antimony | 0.92 | MG/KG | U | | |
| REG | Arsenic | 8.2 | MG/KG | N* J | 106 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-025 One location near drain exit & one from adjacent s

Northing: 13076.00
 Easting: 152790.00
 Elevation:

LL2ss-025-0116-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Barium | 76.5 | MG/KG | * | = | | |
| REG | Beryllium | 0.42 | MG/KG | | U | | |
| REG | Cadmium | 1.2 | MG/KG | | U | | |
| REG | Calcium | 1730 | MG/KG | * | = | | |
| REG | Chromium | 18.2 | MG/KG | * | = | | |
| REG | Cobalt | 6 | MG/KG | | J | D10 | |
| REG | Copper | 29.6 | MG/KG | * | = | | |
| REG | Iron | 19300 | MG/KG | * | = | | |
| REG | Lead | 125 | MG/KG | * | = | | |
| REG | Magnesium | 1910 | MG/KG | * | = | | |
| REG | Manganese | 638 | MG/KG | N* | J | I06 | |
| REG | Mercury | 0.04 | MG/KG | | = | | |
| REG | Nickel | 19.3 | MG/KG | | = | | |
| REG | Potassium | 696 | MG/KG | | = | | |
| REG | Selenium | 0.82 | MG/KG | | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 152 | MG/KG | B | J | F06 | |
| REG | Thallium | 2.4 | MG/KG | | = | | |
| REG | Vanadium | 10.5 | MG/KG | * | = | | |
| REG | Zinc | 126 | MG/KG | * | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 8 | UG/KG | P | J | M08,G01 | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 200 | UG/KG | | J | G01 | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-025 One location near drain exit & one from adjacent s

Northing: 13076.00
 Easting: 152790.00
 Elevation:

LL2ss-025-0116-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | |
| REG | Methoxychlor | 13 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 52 | UG/KG | J | J | | |
| REG | Benzo(a)pyrene | 59 | UG/KG | J | J | | |
| REG | Benzo(b)fluoranthene | 43 | UG/KG | J | J | | |
| REG | Benzo(g,h,i)perylene | 45 | UG/KG | J | J | | |
| REG | Benzo(k)fluoranthene | 66 | UG/KG | J | J | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Carbazole | 340 | UG/KG | U | U | | |
| REG | Chrysene | 60 | UG/KG | J | J | | |
| REG | Di-n-butyl Phthalate | 110 | UG/KG | J | J | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Fluoranthene | 100 | UG/KG | J | J | | |
| REG | Fluorene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 49 | UG/KG | J | J | | |
| REG | Isophorone | 340 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-025 One location near drain exit & one from adjacent s

Northing: 13076.00
 Easting: 152790.00
 Elevation:

LL2ss-025-0116-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|---------|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | | |
| REG | Phenanthrene | 56 | UG/KG | J | J | | |
| REG | Phenol | 340 | UG/KG | U | U | | |
| REG | Pyrene | 70 | UG/KG | J | J | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | | C05 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | | C05,K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | | K01 |
| REG | Acetone | 5 | UG/KG | U | R | | C04,C05 |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | | C02 |
| REG | Chloroform | 5 | UG/KG | U | U | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | | K01 |
| REG | Methylene Chloride | 6 | UG/KG | B | U | | F01,F07 |
| REG | Styrene | 5 | UG/KG | U | UJ | | K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | | K01 |
| REG | Toluene | 5 | UG/KG | U | UJ | | K01 |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | | K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | | K01 |

Location: Load Line 2
 Station: LL2ss-026 One location near drain exit & one from adjacent s

Northing: 13140.00
 Easting: 152791.00
 Elevation:

LL2ss-026-0117-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|---------|-----------------|-------|----------------|------|-----------------|-----|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.4 | MG/KG | B | J | | F06 |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-026 One location near drain exit & one from adjacent s

Northing: 13140.00
 Easting: 152791.00
 Elevation:

LL2ss-026-0117-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Alr Temperature | 78 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8830 | MG/KG | * | = | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | |
| REG | Arsenic | 8.2 | MG/KG | N* | J | 101 | |
| REG | Barium | 75.7 | MG/KG | * | = | | |
| REG | Beryllium | 0.8 | MG/KG | | U | | |
| REG | Cadmium | 0.33 | MG/KG | B | U | | |
| REG | Calcium | 5610 | MG/KG | * | = | | |
| REG | Chromium | 13.4 | MG/KG | * | = | | |
| REG | Cobalt | 8.4 | MG/KG | | J | D10 | |
| REG | Copper | 15.2 | MG/KG | * | = | | |
| REG | Iron | 16300 | MG/KG | * | = | | |
| REG | Lead | 26.6 | MG/KG | * | = | | |
| REG | Magnesium | 2220 | MG/KG | * | = | | |
| REG | Manganese | 684 | MG/KG | N* | J | 101 | |
| REG | Mercury | 0.04 | MG/KG | | = | | |
| REG | Nickel | 16.8 | MG/KG | | = | | |
| REG | Potassium | 1020 | MG/KG | | = | | |
| REG | Selenium | 0.54 | MG/KG | | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 162 | MG/KG | B | J | F06 | |
| REG | Thallium | 2.4 | MG/KG | | = | | |
| REG | Vanadium | 13.6 | MG/KG | * | = | | |
| REG | Zinc | 59.4 | MG/KG | * | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 4 | UG/KG | P | J | M07 | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 150 | UG/KG | P | J | M08 | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2ss-026 One location near drain exit & one from adjacent s

Northing: 13140.00
Easting: 152791.00
Elevation:

LL2ss-026-0117-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 830 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 830 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 830 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 830 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 830 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 830 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 830 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 69 | UG/KG | J | J | | |
| REG | Benzo(a)pyrene | 68 | UG/KG | J | J | | |
| REG | Benzo(b)fluoranthene | 62 | UG/KG | J | J | | |
| REG | Benzo(g,h,i)perylene | 74 | UG/KG | J | J | | |
| REG | Benzo(k)fluoranthene | 54 | UG/KG | J | J | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | JB | U | F01,F06 | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Carbazole | 340 | UG/KG | U | U | | |
| REG | Chrysene | 84 | UG/KG | J | J | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Fluoranthene | 120 | UG/KG | J | J | | |
| REG | Fluorene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-026 One location near drain exit & one from adjacent s

Northing: 13140.00
 Easting: 152791.00
 Elevation:

LL2ss-026-0117-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 54 | UG/KG | J | J | | |
| REG | Isophorone | 340 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 830 | UG/KG | U | U | | |
| REG | Phenanthrene | 73 | UG/KG | J | J | | |
| REG | Phenol | 340 | UG/KG | U | U | | |
| REG | Pyrene | 93 | UG/KG | J | J | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05,K01 | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | C05,K01 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05,K01 | |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 | |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Methylene Chloride | 10 | UG/KG | B | UJ | F01,F07,K01 | |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | Toluene | 5 | UG/KG | J | J | K01 | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 | |

Location: Load Line 2
 Station : LL2ss-027 At building drain outfall

Northing: 13179.00
 Easting: 152735.00
 Elevation:

LL2ss-027-0118-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|---------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.14 | MG/KG | B | J | F06 | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 10100 | MG/KG | * | = | |
| REG | Antimony | 1.4 | MG/KG | | U | |
| REG | Arsenic | 11.5 | MG/KG | N* | J | I01 |
| REG | Barium | 64 | MG/KG | * | = | |
| REG | Beryllium | 0.57 | MG/KG | | U | |
| REG | Cadmium | 0.93 | MG/KG | | U | |
| REG | Calcium | 1380 | MG/KG | * | = | |
| REG | Chromium | 15.5 | MG/KG | * | = | |
| REG | Cobalt | 7.8 | MG/KG | | J | D10 |
| REG | Copper | 17.3 | MG/KG | * | = | |
| REG | Iron | 19900 | MG/KG | * | = | |
| REG | Lead | 42.6 | MG/KG | * | = | |
| REG | Magnesium | 1730 | MG/KG | * | = | |
| REG | Manganese | 567 | MG/KG | N* | J | I01 |
| REG | Mercury | 0.05 | MG/KG | | = | |
| REG | Nickel | 15.4 | MG/KG | | = | |
| REG | Potassium | 916 | MG/KG | | = | |
| REG | Selenium | 0.55 | MG/KG | | = | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Sodium | 180 | MG/KG | B | J | F06 |
| REG | Thallium | 2.4 | MG/KG | | = | |
| REG | Vanadium | 21.5 | MG/KG | * | = | |
| REG | Zinc | 59.6 | MG/KG | * | = | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDE | 9.6 | UG/KG | | = | |
| REG | 4,4'-DDT | 6.2 | UG/KG | P | J | M08 |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | |
| REG | Aroclor-1254 | 280 | UG/KG | | = | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 2.2 | UG/KG | | = | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 2.6 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | U | |
| REG | Toxaphene | 86 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 830 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 830 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 830 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 830 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 830 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 830 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 830 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | |
| REG | Acenaphthene | 340 | UG/KG | U | U | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | |
| REG | Anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | |
| REG | Carbazole | 340 | UG/KG | U | U | |
| REG | Chrysene | 340 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Fluoranthene | 39 | UG/KG | J | J | |
| REG | Fluorene | 340 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | |
| REG | Isophorone | 340 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | |
| REG | Naphthalene | 340 | UG/KG | U | U | |
| REG | Pentachlorophenol | 830 | UG/KG | U | U | |
| REG | Phenanthrene | 340 | UG/KG | U | U | |
| REG | Phenol | 340 | UG/KG | U | U | |
| REG | Pyrene | 340 | UG/KG | U | U | |

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

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-027 At building drain outfall

Northing: 13179.00
 Easting: 152735.00
 Elevation:

LL2ss-027-0118-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|-------------|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | U | | |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | | C02 |
| REG | Chloroform | 5 | UG/KG | U | U | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 12 | UG/KG | B | UJ | | C02,F01,F07 |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

Location: Load Line 2
 Station : LL2ss-028 Outside tank at Inlet near cleanout

Northing: 13601.00
 Easting: 152451.00
 Elevation:

LL2ss-028-0119-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|---------|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 4210 | MG/KG | = | | | |
| REG | Arsenic | 11.8 | MG/KG | = | | | |
| REG | Barium | 20.8 | MG/KG | = | | | |
| REG | Cadmium | 0.05 | MG/KG | B | J | | F06 |
| REG | Chromium | 5.5 | MG/KG | = | | | |
| REG | Lead | 9.6 | MG/KG | = | | | |
| REG | Manganese | 284 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.35 | MG/KG | U | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 52.4 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 800 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-028 Outside tank at inlet near cleanout

Northing: 13601.00
 Easting: 152451.00
 Elevation:

LL2ss-028-0119-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|----------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 400 | UG/KG | J | J | F06 | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

LL2ss-028-0120-FD 0.0 - 1.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 3550 | MG/KG | | = | | |
| REG | Arsenic | 11.6 | MG/KG | | = | | |
| REG | Barium | 18.1 | MG/KG | | = | | |
| REG | Cadmium | 0.08 | MG/KG | B | J | F06 | |
| REG | Chromium | 4.7 | MG/KG | | = | | |
| REG | Lead | 9.9 | MG/KG | | = | | |
| REG | Manganese | 300 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.35 | MG/KG | U | U | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 54.3 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | |
| REG | 2,4,6-Trinitrotoluene | 640 | UG/KG | P | J | M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
 Station : LL2ss-029 Sample taken downgradient from tank

Northing: 13664.00
 Easting: 152444.00
 Elevation:

LL2ss-029-0121-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9360 | MG/KG | | = | | |
| REG | Arsenic | 14.2 | MG/KG | | = | | |
| REG | Barium | 42.3 | MG/KG | | = | | |
| REG | Cadmium | 0.12 | MG/KG | B | J | F06 | |
| REG | Chromium | 13.3 | MG/KG | | = | | |
| REG | Lead | 10.2 | MG/KG | | = | | |
| REG | Manganese | 290 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.34 | MG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2ss-029

Sample taken downgradient from tank

Northing: 13664.00
Easting: 152444.00
Elevation:

LL2ss-029-0121-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 51.6 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 2
Station : LL2ss-031

Adjacent to vacuum pump near exhaust vent

Northing: 15013.00
Easting: 151874.00
Elevation:

LL2ss-031-0123-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 5 | MG/KG | | = | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 18100 | MG/KG | * | = | | | |
| REG | Antimony | 0.33 | MG/KG | BN | J | F06 | | |
| REG | Arsenic | 4.4 | MG/KG | | = | | | |
| REG | Barium | 191 | MG/KG | N* | = | | | |
| REG | Beryllium | 2.9 | MG/KG | | = | | | |
| REG | Cadmium | 0.47 | MG/KG | B | J | F06 | | |
| REG | Calcium | 73500 | MG/KG | N* | J | | | |
| REG | Chromium | 8.7 | MG/KG | | = | | | |
| REG | Cobalt | 3.3 | MG/KG | | = | | | |
| REG | Copper | 12.4 | MG/KG | * | = | | | |
| REG | Iron | 13300 | MG/KG | | = | | | |
| REG | Lead | 81 | MG/KG | | = | | | |
| REG | Magnesium | 8500 | MG/KG | | = | | | |
| REG | Manganese | 3310 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Nickel | 7 | MG/KG | | = | | | |
| REG | Potassium | 1830 | MG/KG | N | = | | | |
| REG | Selenium | 2.2 | MG/KG | BN | J | F06 | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 649 | MG/KG | | = | | | |
| REG | Thallium | 7.6 | MG/KG | N* | = | | | |
| REG | Vanadium | 7.8 | MG/KG | * | = | | | |
| REG | Zinc | 89.2 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-031 Adjacent to vacuum pump near exhaust vent

Northing: 15013.00
 Easting: 151874.00
 Elevation:

LL2ss-031-0123-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 68 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | U | | |
| REG | Toxaphene | 87 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 840 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 840 | UG/KG | U | UJ | C05 | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 840 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-031 Adjacent to vacuum pump near exhaust vent

Northing: 15013.00
 Easting: 151874.00
 Elevation:

LL2ss-031-0123-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 68 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|------------|------|-----------------|-----|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | 3,3'-Dichlorobenzidine | 840 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 840 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 840 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 840 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | |
| REG | Anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 75 | UG/KG | J | J | | |
| REG | Benzo(a)pyrene | 73 | UG/KG | J | J | | |
| REG | Benzo(b)fluoranthene | 68 | UG/KG | J | J | | |
| REG | Benzo(g,h,i)perylene | 38 | UG/KG | J | J | | |
| REG | Benzo(k)fluoranthene | 61 | UG/KG | J | J | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 350 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Carbazole | 350 | UG/KG | U | U | | |
| REG | Chrysene | 82 | UG/KG | J | J | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Fluoranthene | 150 | UG/KG | J | J | | |
| REG | Fluorene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | UJ | | C05 |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | |
| REG | Isophorone | 350 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 840 | UG/KG | U | U | | |
| REG | Phenanthrene | 110 | UG/KG | J | J | | |
| REG | Phenol | 350 | UG/KG | U | U | | |
| REG | Pyrene | 110 | UG/KG | J | J | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-031 Adjacent to vacuum pump near exhaust vent

Northing: 15013.00
Easting: 151874.00
Elevation:

LL2ss-031-0123-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 68 | DEG F | | | |
|--------------------|----------------------|-----------------|---------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Acetone | | 5 UG/KG | U | U | | |
| REG | Benzene | | 5 UG/KG | U | U | | |
| REG | Bromodichloromethane | | 5 UG/KG | U | U | | |
| REG | Bromoform | | 5 UG/KG | U | U | | |
| REG | Bromomethane | | 5 UG/KG | U | U | | |
| REG | Carbon Disulfide | | 5 UG/KG | U | U | | |
| REG | Carbon Tetrachloride | | 5 UG/KG | U | U | | |
| REG | Chlorobenzene | | 5 UG/KG | U | U | | |
| REG | Chloroethane | | 5 UG/KG | U | UJ | C02 | |
| REG | Chloroform | | 2 UG/KG | J | J | | |
| REG | Chloromethane | | 5 UG/KG | U | U | | |
| REG | Dibromochloromethane | | 5 UG/KG | U | U | | |
| REG | Ethylbenzene | | 5 UG/KG | U | U | | |
| REG | Methylene Chloride | | 5 UG/KG | U | U | | |
| REG | Styrene | | 5 UG/KG | U | U | | |
| REG | Tetrachloroethene | | 5 UG/KG | U | U | | |
| REG | Toluene | | 5 UG/KG | U | U | | |
| REG | Trichloroethene | | 5 UG/KG | U | U | | |
| REG | Vinyl Chloride | | 5 UG/KG | U | U | | |
| REG | Xylenes, Total | | 5 UG/KG | U | U | | |
| REG | o-Xylene | | 5 UG/KG | U | U | | |

Location: Load Line 2
Station: LL2ss-032 Adjacent to vacuum pump near exhaust vent

Northing: 14947.00
Easting: 151919.00
Elevation:

LL2ss-032-0124-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 68 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 24500 | MG/KG | | = | | |
| REG | Arsenic | 6.2 | MG/KG | N | = | | |
| REG | Barium | 297 | MG/KG | N* | = | | |
| REG | Cadmium | 1.1 | MG/KG | | = | | |
| REG | Chromium | 12.8 | MG/KG | | = | | |
| REG | Lead | 46.1 | MG/KG | * | = | | |
| REG | Manganese | 4240 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 3.1 | MG/KG | N | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 90 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-033 Adjacent to vacuums along east side of building

Northing: 15003.00
Easting: 151827.00
Elevation:

LL2ss-033-0126-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 78 | DEG | F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|--|
| | | Head Space | 0.0 | PPM | | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | Aluminum | 3370 | MG/KG | = | | | | | |
| REG | Arsenic | 5.5 | MG/KG | N | = | | | | |
| REG | Barium | 35.1 | MG/KG | N* | = | | | | |
| REG | Cadmium | 0.21 | MG/KG | B | J | F06 | | | |
| REG | Chromium | 6.9 | MG/KG | = | | | | | |
| REG | Lead | 39.4 | MG/KG | * | = | | | | |
| REG | Manganese | 371 | MG/KG | * | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | | |
| REG | Selenium | 0.34 | MG/KG | UN | U | | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | | |
| REG | Zinc | 63.1 | MG/KG | = | | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | | |
| REG | 2,4,6-Trinitrotoluene | 480 | UG/KG | P | J | M08 | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | | |

Location: Load Line 2
Station: LL2ss-034 Adjacent to vacuums along east side of building

Northing: 14958.00
Easting: 151851.00
Elevation:

LL2ss-034-0126-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG | F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|--|
| | | Head Space | 0.0 | PPM | | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | Aluminum | 4380 | MG/KG | = | | | | | |
| REG | Arsenic | 7.2 | MG/KG | N | = | | | | |
| REG | Barium | 32.9 | MG/KG | N* | = | | | | |
| REG | Cadmium | 0.07 | MG/KG | B | J | F06 | | | |
| REG | Chromium | 8.7 | MG/KG | = | | | | | |
| REG | Lead | 17.6 | MG/KG | * | = | | | | |
| REG | Manganese | 294 | MG/KG | * | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | | |
| REG | Selenium | 0.34 | MG/KG | UN | U | | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | | |
| REG | Zinc | 51.5 | MG/KG | = | | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-034 Adjacent to vacuums along east side of building

Northing: 14958.00
 Easting: 151851.00
 Elevation:

LL2ss-034-0126-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

LL2ss-034-0127-SO 0.0 - 0.6 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 4980 | MG/KG | = | | |
| REG | Arsenic | 7.8 | MG/KG | N | = | |
| REG | Barium | 35.3 | MG/KG | N* | = | |
| REG | Cadmium | 0.07 | MG/KG | B | J | F06 |
| REG | Chromium | 9 | MG/KG | = | | |
| REG | Lead | 16.5 | MG/KG | * | = | |
| REG | Manganese | 421 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.34 | MG/KG | UN | U | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 54 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 360 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 2
 Station: LL2ss-035 Adjacent to vacuums along east side of building

Northing: 14915.00
 Easting: 151875.00
 Elevation:

LL2ss-035-0128-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 4940 | MG/KG | = | | |
| REG | Arsenic | 10.9 | MG/KG | N | = | |
| REG | Barium | 29.1 | MG/KG | N* | = | |
| REG | Cadmium | 0.04 | MG/KG | U | U | |
| REG | Chromium | 6.8 | MG/KG | = | | |
| REG | Lead | 11.7 | MG/KG | * | = | |
| REG | Manganese | 278 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.34 | MG/KG | UN | U | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 52.4 | MG/KG | = | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 270 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 2
 Station: LL2ss-036 Adjacent to vacuums along east side of building

Northing: 14866.00
 Easting: 151899.00
 Elevation:

LL2ss-036-0129-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

Field Measurements Air Temperature 78 DEG F
 Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 3840 | MG/KG | = | | |
| REG | Arsenic | 5.5 | MG/KG | = | | |
| REG | Barium | 28 | MG/KG | = | | |
| REG | Cadmium | 0.19 | MG/KG | B | J | F06 |
| REG | Chromium | 5.7 | MG/KG | = | | |
| REG | Lead | 13.7 | MG/KG | = | | |
| REG | Manganese | 301 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.34 | MG/KG | U | U | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 33.3 | MG/KG | = | | |

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

Location: Load Line 2
 Station: LL2ss-037 Along south side of building

Northing: 14811.00
 Easting: 151868.00
 Elevation:

LL2ss-037-0130-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

Field Measurements Air Temperature 78 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 3100 | MG/KG | = | | |
| REG | Arsenic | 5 | MG/KG | = | | |
| REG | Barium | 24 | MG/KG | = | | |
| REG | Cadmium | 0.32 | MG/KG | B | J | F06 |
| REG | Chromium | 8.6 | MG/KG | = | | |
| REG | Lead | 45.5 | MG/KG | = | | |
| REG | Manganese | 433 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.34 | MG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-037 Along south side of building
 Northing: 14811.00
 Easting: 151868.00
 Elevation:

LL2ss-037-0130-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 52.3 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 2
 Station : LL2ss-038 Adjacent to settling tank outfall
 Northing: 14692.00
 Easting: 152614.00
 Elevation:

LL2ss-038-0131-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 6740 | MG/KG | * | = | | | |
| REG | Arsenic | 14.1 | MG/KG | | = | | | |
| REG | Barium | 57.2 | MG/KG | | = | | | |
| REG | Cadmium | 0.39 | MG/KG | B | J | F06 | | |
| REG | Chromium | 8.7 | MG/KG | * | = | | | |
| REG | Lead | 22.4 | MG/KG | | = | | | |
| REG | Manganese | 418 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.43 | MG/KG | B | J | F06 | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 76.6 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 330 | UG/KG | P | J | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-039 Adjacent to settling tank outfall

Northing: 14203.00
 Easting: 152920.00
 Elevation:

LL2ss-039-0132-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | Air Temperature | 78 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code |
|-------------|-----------|--------|-------|---------------------|-----------------|
| REG | Aluminum | 4660 | MG/KG | * = | |
| REG | Arsenic | 11.1 | MG/KG | = | |
| REG | Barium | 38.1 | MG/KG | = | |
| REG | Cadmium | 1 | MG/KG | = | |
| REG | Chromium | 13.2 | MG/KG | * = | |
| REG | Lead | 121 | MG/KG | = | |
| REG | Manganese | 320 | MG/KG | * = | |
| REG | Mercury | 0.04 | MG/KG | U U | |
| REG | Selenium | 0.37 | MG/KG | B J | F06 |
| REG | Silver | 0.21 | MG/KG | U U | |
| REG | Zinc | 409 | MG/KG | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code |
|-------------|-----------------------|--------|-------|---------------------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U U | |
| REG | 2,4,6-Trinitrotoluene | 300 | UG/KG | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U U | |
| REG | HMX | 21000 | UG/KG | = | |
| REG | Nitrobenzene | 260 | UG/KG | U U | |
| REG | RDX | 140000 | UG/KG | J U | M08 |
| REG | Tetryl | 650 | UG/KG | U U | |

Location: Load Line 2
 Station: LL2ss-040(b) Southwest of operations area outside load line fen

Northing: 12531.00
 Easting: 152216.00
 Elevation:

LL2ss-040(b)-0133-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | Air Temperature | 78 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code |
|-------------|-----------|--------|-------|---------------------|-----------------|
| REG | Aluminum | 10300 | MG/KG | = | |
| REG | Arsenic | 16.3 | MG/KG | = | |
| REG | Barium | 60.3 | MG/KG | = | |
| REG | Cadmium | 0.29 | MG/KG | B J | F06 |
| REG | Chromium | 18.7 | MG/KG | = | |
| REG | Lead | 17.8 | MG/KG | = | |
| REG | Manganese | 310 | MG/KG | = | |
| REG | Mercury | 0.04 | MG/KG | B J | F06 |
| REG | Selenium | 0.34 | MG/KG | U U | |
| REG | Silver | 0.22 | MG/KG | U U | |
| REG | Zinc | 55.3 | MG/KG | = | |

Location: Load Line 2
 Station: LL2ss-041(b) Northwest of operations area outside load line fen

Northing: 15549.00
 Easting: 152653.00
 Elevation:

LL2ss-041(b)-0135-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code |
|-------------|--------|--------|-------|---------------------|-----------------|
|-------------|--------|--------|-------|---------------------|-----------------|

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-041(b) Northwest of operations area outside load line fen
 Northing: 16549.00
 Easting: 152653.00
 Elevation:

LL2ss-041(b)-0136-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/10/96

| Field Measurements | | Air Temperature | 65 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | Aluminum | 12200 | MG/KG | * | = | | |
| REG | Arsenic | 13.1 | MG/KG | | = | | |
| REG | Barium | 62.2 | MG/KG | | = | | |
| REG | Cadmium | 0.25 | MG/KG | B | J | F06 | |
| REG | Chromium | 13.5 | MG/KG | * | = | | |
| REG | Lead | 14.4 | MG/KG | | = | | |
| REG | Manganese | 258 | MG/KG | * | = | | |
| REG | Mercury | 0.05 | MG/KG | | = | | |
| REG | Selenium | 0.65 | MG/KG | | = | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 51.1 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 2
 Station: LL2ss-042(b) Northeast part of operations area inside load line
 Northing: 15146.00
 Easting: 150858.00
 Elevation:

LL2ss-042(b)-0136-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | |
|--------------------|-----------|-----------------|-------|------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | Aluminum | 9670 | MG/KG | | = | | |
| REG | Arsenic | 11 | MG/KG | | = | | |
| REG | Barium | 64.2 | MG/KG | | = | | |
| REG | Cadmium | 0.2 | MG/KG | B | J | F06 | |
| REG | Chromium | 11 | MG/KG | | = | | |
| REG | Lead | 15.6 | MG/KG | | = | | |
| REG | Manganese | 553 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.74 | MG/KG | | = | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 47.4 | MG/KG | | = | | |

Location: Load Line 2
 Station: LL2ss-044 Locations TBD as needed based on field observation
 Northing: 14132.00
 Easting: 152483.00
 Elevation:

LL2ss-044-0138-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|--------|-----------------|-------|------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station : LL2ss-044 Locations TBD as needed based on field observation

Northing: 14132.00
 Easting: 152483.00
 Elevation:

LL2ss-044-0138-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 9480 | MG/KG | * | = | |
| REG | Arsenic | 14.8 | MG/KG | N | = | |
| REG | Barium | 58.9 | MG/KG | * | = | |
| REG | Cadmium | 4.3 | MG/KG | | = | |
| REG | Chromium | 13.4 | MG/KG | * | = | |
| REG | Lead | 31 | MG/KG | * | = | |
| REG | Manganese | 329 | MG/KG | | = | |
| REG | Mercury | 0.13 | MG/KG | | = | |
| REG | Selenium | 0.35 | MG/KG | UN | U | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 115 | MG/KG | N | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|----------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 160000 | UG/KG | P | J | M08 |
| REG | 1,3-Dinitrobenzene | 12500 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 12000000 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 12500 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 13000 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | HMX | 100000 | UG/KG | U | U | |
| REG | Nitrobenzene | 13000 | UG/KG | U | U | |
| REG | RDX | 20000 | UG/KG | J | J | F06 |
| REG | Tetryl | 32500 | UG/KG | U | U | |

Location: Load Line 2
 Station : LL2ss-061 Adjacent to vacuum barrier on south side of DB-4

Northing: 13964.00
 Easting: 152496.00
 Elevation:

LL2ss-061-0675-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/14/96

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

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
| REG | Cyanide | 0.31 | MG/KG | B | J | F06 |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 14400 | MG/KG | | = | |
| REG | Antimony | 0.41 | MG/KG | U | U | |
| REG | Arsenic | 28.4 | MG/KG | | = | |
| REG | Barium | 204 | MG/KG | | = | |
| REG | Beryllium | 0.87 | MG/KG | | = | |
| REG | Cadmium | 4 | MG/KG | | = | |
| REG | Calcium | 5970 | MG/KG | | = | |
| REG | Chromium | 36.1 | MG/KG | | = | |
| REG | Cobalt | 17 | MG/KG | | = | |
| REG | Copper | 46.6 | MG/KG | | = | |
| REG | Iron | 55500 | MG/KG | | = | |
| REG | Lead | 388 | MG/KG | | = | |
| REG | Magnesium | 6250 | MG/KG | | = | |
| REG | Manganese | 536 | MG/KG | | = | |
| REG | Mercury | 0.05 | MG/KG | U | U | |
| REG | Nickel | 41.9 | MG/KG | | = | |
| REG | Potassium | 2410 | MG/KG | | = | |
| REG | Selenium | 0.41 | MG/KG | U | U | |
| REG | Silver | 0.26 | MG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station: LL2ss-061

Adjacent to vacuum barrier on south side of DB-4

Northing: 13964.00
Easting: 152496.00
Elevation:

LL2ss-061-0675-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/14/96

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------|--------|-------|----------------|------|-----------------|
| REG | Sodium | 271 | MG/KG | B | J | F06 |
| REG | Thallium | 1.7 | MG/KG | = | = | |
| REG | Vanadium | 24.8 | MG/KG | = | = | |
| REG | Zinc | 737 | MG/KG | = | = | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDE | 36 | UG/KG | P | J | M08 |
| REG | 4,4'-DDT | 41 | UG/KG | P | J | M08 |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | |
| REG | Aroclor-1254 | 2500 | UG/KG | D | = | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |
| REG | Dieldrin | 27 | UG/KG | P | J | M08 |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 5.6 | UG/KG | P | J | M08 |
| REG | Endrin Aldehyde | 15 | UG/KG | P | J | M08 |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | |
| REG | Gamma Chlordane | 5.6 | UG/KG | P | J | M08 |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | U | |
| REG | Toxaphene | 87 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-------------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,2,4-Trichlorobenzene | 690 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 690 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 690 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 690 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 690 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 690 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 690 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 690 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 690 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 690 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 690 | UG/KG | U | U | |
| REG | 2-Methylphenol | 690 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 690 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 690 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 690 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 690 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 690 | UG/KG | U | U | |
| REG | 4-Methylphenol | 690 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 690 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
 Station: LL2ss-061 Adjacent to vacuum barrier on south side of DB-4

Northing: 13964.00
 Easting: 152496.00
 Elevation:

LL2ss-061-0675-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/14/96

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------------------------|--------|-------|----------------|------|-----------------|
| REG | Acenaphthene | 690 | UG/KG | U | U | |
| REG | Acenaphthylene | 690 | UG/KG | U | U | |
| REG | Anthracene | 690 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 690 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 690 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 83 | UG/KG | J | J | |
| REG | Benzo(g,h,i)perylene | 690 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 690 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 690 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 690 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 690 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 84 | UG/KG | J | J | |
| REG | Carbazole | 690 | UG/KG | U | U | |
| REG | Chrysene | 110 | UG/KG | J | J | |
| REG | Di-n-butyl Phthalate | 690 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 690 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 690 | UG/KG | U | U | |
| REG | Dibenzofuran | 690 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 690 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 690 | UG/KG | U | U | |
| REG | Fluoranthene | 110 | UG/KG | J | J | |
| REG | Fluorene | 690 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 690 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 690 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 690 | UG/KG | U | UJ | C05 |
| REG | Hexachloroethane | 690 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 690 | UG/KG | U | U | |
| REG | Isophorone | 690 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 690 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 690 | UG/KG | U | U | |
| REG | Naphthalene | 690 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | |
| REG | Phenanthrene | 690 | UG/KG | U | U | |
| REG | Phenol | 690 | UG/KG | U | U | |
| REG | Pyrene | 86 | UG/KG | J | J | |

Location: Load Line 2
 Station: LL2ss-062 TBD: Near Bldg DB-10

Northing: 14976.00
 Easting: 151828.00
 Elevation:

LL2ss-062-0681-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 320 | UG/KG | = | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 15000 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | UJ | H02,P02 |
| REG | Tetryl | 650 | UG/KG | U | UJ | H02,P02 |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-------------------------------|--------|-------|----------------|------|-----------------|
| 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-Chlorophenol | 380 | UG/KG | U | U | |
| REG | 2-Methylphenol | 380 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2ss-062 TBD: Near Bldg DB-10

Northing: 14976.00
Easting: 151828.00
Elevation:

LL2ss-062-0681-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------------------------|--------|-------|----------------|------|-----------------|
| REG | 2-Nitrophenol | 380 | UG/KG | U | U | |
| REG | 4-Methylphenol | 380 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 380 | UG/KG | U | U | |
| REG | Hexachloroethane | 380 | UG/KG | U | U | |
| REG | Isophorone | 380 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 380 | UG/KG | U | U | |
| REG | Phenol | 380 | 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-Dichloropropane | 6 | UG/KG | U | U | |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | U | |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | U | |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | U | |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | U | |
| REG | 2-Butanone | 6 | UG/KG | U | U | |
| REG | 2-Hexanone | 6 | UG/KG | U | U | |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | U | |
| REG | Acetone | 6 | UG/KG | U | U | |
| REG | Benzene | 6 | UG/KG | U | U | |
| REG | Bromodichloromethane | 6 | UG/KG | U | U | |
| REG | Bromoform | 6 | UG/KG | U | U | |
| REG | Bromomethane | 6 | UG/KG | U | U | |
| REG | Carbon Disulfide | 6 | UG/KG | U | U | |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | U | |
| REG | Chlorobenzene | 6 | UG/KG | U | U | |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02 |
| REG | Chloroform | 6 | UG/KG | U | U | |
| REG | Chloromethane | 6 | UG/KG | U | U | |
| REG | Dibromochloromethane | 6 | UG/KG | U | U | |
| REG | Ethylbenzene | 6 | UG/KG | U | U | |
| REG | Methylene Chloride | 6 | UG/KG | JB | U | F01,F06 |
| REG | Styrene | 6 | UG/KG | U | U | |
| REG | Tetrachloroethene | 6 | UG/KG | U | U | |
| REG | Toluene | 6 | UG/KG | U | U | |
| REG | Trichloroethene | 6 | UG/KG | U | U | |
| REG | Vinyl Chloride | 6 | UG/KG | U | U | |
| REG | Xylenes, Total | 6 | UG/KG | U | U | |
| REG | o-Xylene | 6 | UG/KG | U | U | |

Location: Load Line 2
Station : LL2ss-063 TBD: Near BLDG DB10

Northing: 19382.00
Easting: 150943.00
Elevation:

LL2ss-063-0683-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/21/96

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 600 | UG/KG | = | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 180000 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | UJ | H02,P02 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 2
Station : LL2ss-063 TBD: Near BLDG DB10

Northing: 19382.00
Easting: 150943.00
Elevation:

LL2ss-063-0683-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/21/96

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------|--------|-------|----------------|------|-----------------|
| REG | Tetryl | 650 | UG/KG | U | UJ | H02,P02 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-001 Adjacent to washout facilities

Northing: 13021.00
Easting: 149184.00
Elevation:

LL3ss-001-0161-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 6570 | MG/KG | * | = | |
| REG | Arsenic | 11.3 | MG/KG | | = | |
| REG | Barium | 63.1 | MG/KG | * | = | |
| REG | Cadmium | 3.2 | MG/KG | * | = | |
| REG | Chromium | 15.4 | MG/KG | * | = | |
| REG | Lead | 312 | MG/KG | * | = | |
| REG | Manganese | 366 | MG/KG | * | = | |
| REG | Mercury | 0.20 | MG/KG | * | = | |
| REG | Selenium | 0.54 | MG/KG | | = | |
| REG | Silver | 0.2 | MG/KG | U* | U | |
| REG | Zinc | 626 | MG/KG | * | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 2300 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 3
Station : LL3ss-002 Adjacent to washout facilities

Northing: 12917.00
Easting: 149249.00
Elevation:

LL3ss-002-0162-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

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

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
| REG | Cyanide | 0.21 | MG/KG | B | J | |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 4750 | MG/KG | | = | |
| REG | Antimony | 4.7 | MG/KG | N* | = | |
| REG | Arsenic | 12.3 | MG/KG | | = | |
| REG | Barium | 447 | MG/KG | N* | = | |
| REG | Beryllium | 0.62 | MG/KG | | = | |
| REG | Cadmium | 3.6 | MG/KG | * | = | |
| REG | Calcium | 13500 | MG/KG | | = | |
| REG | Chromium | 23.6 | MG/KG | * | = | |
| REG | Cobalt | 7.6 | MG/KG | | = | |
| REG | Copper | 99.4 | MG/KG | N* | = | |
| REG | Iron | 26100 | MG/KG | | = | |
| REG | Lead | 229 | MG/KG | * | = | |
| REG | Magnesium | 1930 | MG/KG | | = | |
| REG | Manganese | 448 | MG/KG | | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Nickel | 21.9 | MG/KG | | = | |
| REG | Potassium | 615 | MG/KG | | = | |
| REG | Selenium | 0.47 | MG/KG | B | J | |
| REG | Silver | 0.36 | MG/KG | B | J | |
| REG | Sodium | 232 | MG/KG | B | J | |
| REG | Thallium | 1.7 | MG/KG | | = | |
| REG | Vanadium | 10.4 | MG/KG | | = | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-002 Adjacent to washout facilities

Northing: 12917.00
Easting: 149249.00
Elevation:

LL3ss-002-0162-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 82 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Zinc | 453 | MG/KG | * | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 5700 | UG/KG | U | = | | |
| REG | 1,3-Dinitrobenzene | 1250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 5660000 | UG/KG | D | J | M07 | |
| REG | 2,4-Dinitrotoluene | 1250 | UG/KG | U | UJ | C08 | |
| REG | 2,6-Dinitrotoluene | 1300 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 1250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 1250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 1250 | UG/KG | U | U | | |
| REG | HMX | 10000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 1300 | UG/KG | U | U | | |
| REG | RDX | 5000 | UG/KG | U | U | | |
| REG | Tetryl | 3250 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 590 | UG/KG | D | J | M08 | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 21000 | UG/KG | D | = | | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | | |
| REG | Beta-BHC | 30 | UG/KG | PE | J | M08,G01,M07 | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 3200 | UG/KG | D | = | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 110 | UG/KG | PE | J | M08,G01,M07 | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 94 | UG/KG | PE | J | M08,G01,M07 | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | |
| REG | Toxaphene | 85 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-002 Adjacent to washout facilities

Northing: 12917.00
 Easting: 149249.00
 Elevation:

LL3ss-002-0162-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 82 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | |
| REG | Acenaphthene | 340 | UG/KG | U | U | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | |
| REG | Anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 36 | UG/KG | J | J | |
| REG | Benzo(b)fluoranthene | 35 | UG/KG | J | J | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 38 | UG/KG | J | J | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 98 | UG/KG | J | J | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | |
| REG | Carbazole | 340 | UG/KG | U | U | |
| REG | Chrysene | 45 | UG/KG | J | J | |
| REG | Di-n-butyl Phthalate | 190 | UG/KG | J | J | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Fluoranthene | 57 | UG/KG | J | J | |
| REG | Fluorene | 340 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | |
| REG | Isophorone | 340 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | |
| REG | Naphthalene | 340 | UG/KG | U | U | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | |
| REG | Phenanthrene | 340 | UG/KG | U | U | |
| REG | Phenol | 340 | UG/KG | U | U | |
| REG | Pyrene | 44 | UG/KG | J | J | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-002 Adjacent to washout facilities

Northing: 12917.00
 Easting: 149249.00
 Elevation:

LL3ss-002-0162-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 82 | DEG F | | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | | |
| REG | Acetone | 5 | UG/KG | U | U | | | |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | | |
| REG | Chloroform | 5 | UG/KG | U | U | | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Methylene Chloride | 5 | UG/KG | JB | U | F01, F06 | | |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Toluene | 14 | UG/KG | | J | K01 | | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 | | |

Location: Load Line 3
 Station : LL3ss-003 Adjacent to washout facilities

Northing: 13030.00
 Easting: 149115.00
 Elevation:

LL3ss-003-0163-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 82 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 5690 | MG/KG | | = | | | |
| REG | Arsenic | 14.8 | MG/KG | * | J | J04 | | |
| REG | Barium | 40.3 | MG/KG | | = | | | |
| REG | Cadmium | 0.32 | MG/KG | B | J | F06 | | |
| REG | Chromium | 10.2 | MG/KG | N | J | I01 | | |
| REG | Lead | 23.8 | MG/KG | * | J | I01 | | |
| REG | Manganese | 580 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.85 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 69.5 | MG/KG | N* | J | I01 | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station: LL3ss-003 Adjacent to washout facilities

Northing: 13030.00
 Easting: 149115.00
 Elevation:

LL3ss-003-0163-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 68 | DEG F | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

LL3ss-003-0164-FD 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 68 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 5980 | MG/KG | = | | |
| REG | Arsenic | 13.1 | MG/KG | * | J | J04 |
| REG | Barium | 45.9 | MG/KG | = | | |
| REG | Cadmium | 0.29 | MG/KG | B | J | F06 |
| REG | Chromium | 10.8 | MG/KG | N | J | I01 |
| REG | Lead | 22.6 | MG/KG | * | J | I01 |
| REG | Manganese | 648 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 0.83 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 60.9 | MG/KG | N* | J | I01 |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 3
 Station: LL3ss-004 Along south side of building

Northing: 12998.00
 Easting: 149140.00
 Elevation:

LL3ss-004-0166-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 68 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 4650 | MG/KG | * | = | |
| REG | Arsenic | 14.4 | MG/KG | = | | |
| REG | Barium | 147 | MG/KG | * | = | |
| REG | Cadmium | 2.6 | MG/KG | * | = | |
| REG | Chromium | 13.4 | MG/KG | * | = | |
| REG | Lead | 151 | MG/KG | * | = | |
| REG | Manganese | 540 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | * | = | |
| REG | Selenium | 0.35 | MG/KG | B | J | F06 |
| REG | Silver | 0.19 | MG/KG | U* | U | |
| REG | Zinc | 312 | MG/KG | * | = | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 490 | UG/KG | | = | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 3600 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 3
 Station: LL3ss-005 Along south side of building

Northing: 12877.00
 Easting: 149174.00
 Elevation:

LL3ss-005-0167-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 4020 | MG/KG | | = | |
| REG | Arsenic | 23.2 | MG/KG | | = | |
| REG | Barium | 87 | MG/KG | | = | |
| REG | Cadmium | 4.1 | MG/KG | | = | |
| REG | Chromium | 150 | MG/KG | | = | |
| REG | Lead | 524 | MG/KG | | = | |
| REG | Manganese | 990 | MG/KG | | = | |
| REG | Mercury | 0.04 | MG/KG | | U | |
| REG | Selenium | 4.1 | MG/KG | | = | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 168 | MG/KG | | = | |

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

Location: Load Line 3
 Station: LL3ss-006 Along north side near vacuums

Northing: 13005.00
 Easting: 149069.00
 Elevation:

LL3ss-006-0168-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 7170 | MG/KG | * | = | |
| REG | Arsenic | 12.4 | MG/KG | | = | |
| REG | Barium | 43.1 | MG/KG | * | = | |
| REG | Cadmium | 4.1 | MG/KG | * | = | |
| REG | Chromium | 9.6 | MG/KG | * | = | |
| REG | Lead | 15.3 | MG/KG | * | = | |
| REG | Manganese | 461 | MG/KG | * | = | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-006

Along north side near vacuums

Northing: 13005.00
Easting: 149069.00
Elevation:

LL3ss-006-0168-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | | |
| REG | Selenium | 0.6 | MG/KG | = | | | | |
| REG | Silver | 0.19 | MG/KG | U* | U | | | |
| REG | Zinc | 49.4 | MG/KG | * | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 3
Station: LL3ss-007

Along north side near vacuums

Northing: 12839.00
Easting: 149103.00
Elevation:

LL3ss-007-0169-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 5440 | MG/KG | = | | | | |
| REG | Arsenic | 10.1 | MG/KG | = | | | | |
| REG | Barium | 65.5 | MG/KG | = | | | | |
| REG | Cadmium | 2 | MG/KG | = | | | | |
| REG | Chromium | 11.8 | MG/KG | = | | | | |
| REG | Lead | 72.4 | MG/KG | = | | | | |
| REG | Manganese | 242 | MG/KG | = | | | | |
| REG | Mercury | 0.08 | MG/KG | = | | | | |
| REG | Selenium | 0.43 | MG/KG | B | J | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 151 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 430 | UG/KG | P | J | M07 | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station: LL3ss-008 Adjacent to vacuum pump house near exhaust vent

Northing: 12944.00
 Easting: 149044.00
 Elevation:

LL3ss-008-0170-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 5730 | MG/KG | * | = | |
| REG | Arsenic | 11.6 | MG/KG | | = | |
| REG | Barium | 36.5 | MG/KG | * | = | |
| REG | Cadmium | 0.29 | MG/KG | B* | J | F06 |
| REG | Chromium | 8.7 | MG/KG | * | = | |
| REG | Lead | 17.3 | MG/KG | * | = | |
| REG | Manganese | 321 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U* | U | |
| REG | Selenium | 0.39 | MG/KG | B | J | F06 |
| REG | Silver | 0.19 | MG/KG | U* | U | |
| REG | Zinc | 58.9 | MG/KG | * | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 9700 | UG/KG | | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

LL3ss-008-0174-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/26/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 4280 | MG/KG | * | = | |
| REG | Arsenic | 10.9 | MG/KG | | = | |
| REG | Barium | 36.6 | MG/KG | * | = | |
| REG | Cadmium | 0.39 | MG/KG | B* | J | F06 |
| REG | Chromium | 7.4 | MG/KG | * | = | |
| REG | Lead | 21.2 | MG/KG | * | = | |
| REG | Manganese | 299 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U* | U | |
| REG | Selenium | 0.34 | MG/KG | B | J | F06 |
| REG | Silver | 0.19 | MG/KG | U* | = | |
| REG | Zinc | 68.2 | MG/KG | * | = | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 820 | UG/KG | E | J | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-009 Adjacent to washout facilities

Northing: 12534.00
Easting: 149453.00
Elevation:

LL3ss-009-0171-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 13100 | MG/KG | = | | | |
| REG | Arsenic | 15.8 | MG/KG | = | | | |
| REG | Barium | 50.6 | MG/KG | = | | | |
| REG | Cadmium | 0.5 | MG/KG | B | J | | |
| REG | Chromium | 16.2 | MG/KG | = | | | |
| REG | Lead | 18.4 | MG/KG | = | | | |
| REG | Manganese | 150 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.2 | MG/KG | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 91 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 870 | UG/KG | P | J | M07 | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 79000 | UG/KG | D | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | |
| REG | 2,6-Dinitrotoluene | 280 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 3
Station : LL3ss-010 Adjacent to washout facilities

Northing: 12394.00
Easting: 149493.00
Elevation:

LL3ss-010-0172-SO 0.0 - 1.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8300 | MG/KG | = | | | |
| REG | Arsenic | 11.4 | MG/KG | = | | | |
| REG | Barium | 51 | MG/KG | = | | | |
| REG | Cadmium | 0.21 | MG/KG | B | J | | |
| REG | Chromium | 11.2 | MG/KG | = | | | |
| REG | Lead | 17.3 | MG/KG | = | | | |
| REG | Manganese | 367 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | | U | | |
| REG | Selenium | 0.47 | MG/KG | B | J | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 62.3 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-010 Adjacent to washout facilities

Northing: 12394.00
 Easting: 149493.00
 Elevation:

LL3ss-010-0172-SO 0.0 - 1.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 | | |

Location: Load Line 3
 Station : LL3ss-011 Adjacent to washout facilities

Northing: 12494.00
 Easting: 149378.00
 Elevation:

LL3ss-011-0173-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8150 | MG/KG | = | | | | |
| REG | Arsenic | 11.9 | MG/KG | = | | | | |
| REG | Barium | 56.4 | MG/KG | = | | | | |
| REG | Cadmium | 1.6 | MG/KG | = | | | | |
| REG | Chromium | 14.9 | MG/KG | = | | | | |
| REG | Lead | 55.8 | MG/KG | = | | | | |
| REG | Manganese | 363 | MG/KG | = | | | | |
| REG | Mercury | 0.06 | MG/KG | = | | | | |
| REG | Selenium | 0.57 | MG/KG | = | | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 179 | MG/KG | = | | | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|--|
| REG | 1,3,5-Trinitrobenzene | 3300 | UG/KG | = | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 140000 | UG/KG | D | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 10000 | UG/KG | = | | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 3
 Station : LL3ss-012 Adjacent to washout facilities

Northing: 12439.00
 Easting: 149504.00
 Elevation:

LL3ss-012-0175-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8550 | MG/KG | = | | | | |
| REG | Arsenic | 12.7 | MG/KG | = | | | | |
| REG | Barium | 68.1 | MG/KG | = | | | | |
| REG | Cadmium | 3.2 | MG/KG | = | | | | |
| REG | Chromium | 12.9 | MG/KG | = | | | | |
| REG | Lead | 58.8 | MG/KG | = | | | | |
| REG | Manganese | 304 | MG/KG | = | | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-012 Adjacent to washout facilities

Northing: 12439.00
Easting: 149504.00
Elevation:

LL3ss-012-0175-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Selenium | 0.65 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 129 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 7800 | UG/KG | J | J | |
| REG | 1,3-Dinitrobenzene | 12500 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 5500000 | UG/KG | D | J | M07 |
| REG | 2,4-Dinitrotoluene | 12500 | UG/KG | U | UJ | C08 |
| REG | 2,6-Dinitrotoluene | 13000 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 12500 | UG/KG | U | U | |
| REG | HMX | 100000 | UG/KG | U | U | |
| REG | Nitrobenzene | 13000 | UG/KG | U | U | |
| REG | RDX | 50000 | UG/KG | U | U | |
| REG | Tetryl | 32500 | UG/KG | U | R | P02, P08 |

Location: Load Line 3
Station: LL3ss-013 Along north side of building

Northing: 12456.00
Easting: 149307.00
Elevation:

LL3ss-013-0176-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 9190 | MG/KG | = | | |
| REG | Arsenic | 12.6 | MG/KG | = | | |
| REG | Barium | 69.2 | MG/KG | = | | |
| REG | Cadmium | 1.6 | MG/KG | = | | |
| REG | Chromium | 14.4 | MG/KG | = | | |
| REG | Lead | 2620 | MG/KG | = | | |
| REG | Manganese | 520 | MG/KG | = | | |
| REG | Mercury | 0.1 | MG/KG | = | | |
| REG | Selenium | 0.33 | MG/KG | U | U | |
| REG | Silver | 0.49 | MG/KG | B | J | |
| REG | Zinc | 149 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 280 | UG/KG | = | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 40000 | UG/KG | D | = | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-014

Along south side of building near vacuums

Northing: 12398.00
Easting: 149429.00
Elevation:

LL3ss-014-0177-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

Field Measurements

Air Temperature 80 DEG F
Head Space 0.0 PPM
Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 3720 | MG/KG | = | | |
| REG | Arsenic | 9.9 | MG/KG | = | | |
| REG | Barium | 16.1 | MG/KG | = | | |
| REG | Cadmium | 0.17 | MG/KG | B | J | |
| REG | Chromium | 4.9 | MG/KG | = | | |
| REG | Lead | 11.1 | MG/KG | = | | |
| REG | Manganese | 162 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.32 | MG/KG | U | U | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 58.4 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 760 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 |

Location: Load Line 3
Station: LL3ss-015

Along south side of building near vacuums

Northing: 12361.00
Easting: 149358.00
Elevation:

LL3ss-015-0178-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

Field Measurements

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 8700 | MG/KG | = | | |
| REG | Arsenic | 14.4 | MG/KG | = | | |
| REG | Barium | 79 | MG/KG | = | | |
| REG | Cadmium | 0.94 | MG/KG | = | | |
| REG | Chromium | 14.7 | MG/KG | = | | |
| REG | Lead | 49.8 | MG/KG | = | | |
| REG | Manganese | 303 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.57 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 93.9 | MG/KG | = | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-015 Along south side of building near vacuums

Northing: 12361.00
Easting: 149368.00
Elevation:

LL3ss-015-0178-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 | | |

Location: Load Line 3
Station: LL3ss-016 Adjacent to vacuum pump house near exhaust vent

Northing: 12334.00
Easting: 149421.00
Elevation:

LL3ss-016-0179-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

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

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|---------|--------|-------|----------------|------|-----------------|--|--|
| REG | Cyanide | 0.2 | MG/KG | B | J | | | |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-----------|--------|-------|----------------|------|-----------------|--|--|
| REG | Aluminum | 9190 | MG/KG | | = | | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | | |
| REG | Arsenic | 11.7 | MG/KG | | = | | | |
| REG | Barium | 66.7 | MG/KG | | = | | | |
| REG | Beryllium | 0.52 | MG/KG | | = | | | |
| REG | Cadmium | 0.46 | MG/KG | B | J | | | |
| REG | Calcium | 4730 | MG/KG | | = | | | |
| REG | Chromium | 12 | MG/KG | | = | | | |
| REG | Cobalt | 8.7 | MG/KG | | = | | | |
| REG | Copper | 14.1 | MG/KG | | = | | | |
| REG | Iron | 18300 | MG/KG | | = | | | |
| REG | Lead | 26.9 | MG/KG | | = | | | |
| REG | Magnesium | 1900 | MG/KG | | = | | | |
| REG | Manganese | 717 | MG/KG | | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Nickel | 14 | MG/KG | | = | | | |
| REG | Potassium | 623 | MG/KG | | = | | | |
| REG | Selenium | 0.75 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 143 | MG/KG | B | J | | | |
| REG | Thallium | 2.2 | MG/KG | | = | | | |
| REG | Vanadium | 18 | MG/KG | | = | | | |
| REG | Zinc | 60.9 | MG/KG | | = | | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 10000 | UG/KG | | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 | | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|------------------------|--------|-------|----------------|------|-----------------|--|--|
|-------------|------------------------|--------|-------|----------------|------|-----------------|--|--|

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-016 Adjacent to vacuum pump house near exhaust vent

Northing: 12334.00
 Easting: 149421.00
 Elevation:

LL3ss-016-0179-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 11 | UG/KG | U | J | G01 | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 4.5 | UG/KG | U | J | G01 | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 10 | UG/KG | P | J | M08,G01 | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | | |
| REG | Toxaphene | 86 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | | |
| REG | Acenaphthene | 95 | UG/KG | J | J | | | |
| REG | Acenaphthylene | 54 | UG/KG | J | J | | | |
| REG | Anthracene | 320 | UG/KG | J | J | | | |
| REG | Benzo(a)anthracene | 1200 | UG/KG | = | = | | | |
| REG | Benzo(a)pyrene | 1000 | UG/KG | = | = | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-016 Adjacent to vacuum pump house near exhaust vent

Northing: 12334.00
Easting: 149421.00
Elevation:

LL3ss-016-0179-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 76 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Benzo(b)fluoranthene | 1100 | UG/KG | = | | | | |
| REG | Benzo(g,h,i)perylene | 440 | UG/KG | = | | | | |
| REG | Benzo(k)fluoranthene | 1000 | UG/KG | = | | | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Carbazole | 250 | UG/KG | J | J | | | |
| REG | Chrysene | 1500 | UG/KG | = | | | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 250 | UG/KG | J | J | | | |
| REG | Dibenzofuran | 57 | UG/KG | J | J | | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Fluoranthene | 2200 | UG/KG | = | | | | |
| REG | Fluorene | 94 | UG/KG | J | J | | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | | | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 460 | UG/KG | = | | | | |
| REG | Isophorone | 340 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | | |
| REG | Naphthalene | 43 | UG/KG | J | J | | | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | | | |
| REG | Phenanthrene | 1200 | UG/KG | = | | | | |
| REG | Phenol | 340 | UG/KG | U | U | | | |
| REG | Pyrene | 1800 | UG/KG | = | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 | | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | | |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 | | |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 | | |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Methylene Chloride | 25 | UG/KG | B | UJ | F01,F07,K01 | | |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 | | |

Table APPENDIX GI
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-016 Adjacent to vacuum pump house near exhaust vent

Northing: 12334.00
Easting: 149421.00
Elevation:

LL3ss-016-0179-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | Toluene | 5 | UG/KG | U | UJ | K01 | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 | |

Location: Load Line 3
Station : LL3ss-017 Adjacent to settling tanks and at inlet(s) and out

Northing: 13092.00
Easting: 149060.00
Elevation:

LL3ss-017-0180-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 11400 | MG/KG | * | = | | |
| REG | Arsenic | 8.4 | MG/KG | | = | | |
| REG | Barium | 68.7 | MG/KG | * | = | | |
| REG | Cadmium | 0.12 | MG/KG | B* | J | F06 | |
| REG | Chromium | 13.3 | MG/KG | * | = | | |
| REG | Lead | 11.9 | MG/KG | * | = | | |
| REG | Manganese | 197 | MG/KG | * | = | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | |
| REG | Selenium | 0.5 | MG/KG | B | J | F06 | |
| REG | Silver | 0.19 | MG/KG | U* | U | | |
| REG | Zinc | 49.8 | MG/KG | * | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 3
Station : LL3ss-018 Adjacent to settling tanks and at inlet(s) and out

Northing: 13101.00
Easting: 149014.00
Elevation:

LL3ss-018-0181-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9100 | MG/KG | * | = | | |
| REG | Arsenic | 13.2 | MG/KG | | = | | |
| REG | Barium | 55.1 | MG/KG | * | = | | |
| REG | Cadmium | 0.17 | MG/KG | B* | J | F06 | |
| REG | Chromium | 12.3 | MG/KG | * | = | | |
| REG | Lead | 15.1 | MG/KG | * | = | | |
| REG | Manganese | 316 | MG/KG | * | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station: LL3ss-018 Adjacent to settling tanks and at inlet(s) and out

Northing: 13101.00
 Easting: 149014.00
 Elevation:

LL3ss-018-0181-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Mercury | 0.04 | MG/KG | U* | U | | | |
| REG | Selenium | 0.51 | MG/KG | B | J | F06 | | |
| REG | Silver | 2.4 | MG/KG | * | = | | | |
| REG | Zinc | 57.1 | MG/KG | * | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 1700 | UG/KG | | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 3
 Station: LL3ss-019 Adjacent to settling tanks and at inlet(s) and out

Northing: 13136.00
 Easting: 148996.00
 Elevation:

LL3ss-019-0182-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 15600 | MG/KG | * | = | | | |
| REG | Arsenic | 14.3 | MG/KG | | = | | | |
| REG | Barium | 55.1 | MG/KG | * | = | | | |
| REG | Cadmium | 0.1 | MG/KG | B* | J | F06 | | |
| REG | Chromium | 17.3 | MG/KG | * | = | | | |
| REG | Lead | 12.6 | MG/KG | * | = | | | |
| REG | Manganese | 75.3 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | | |
| REG | Selenium | 0.91 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U* | U | | | |
| REG | Zinc | 47.7 | MG/KG | * | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 310 | UG/KG | | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-020 Adjacent to settling tanks and at inlet(s) and out

Northing: 13176.00
Easting: 149014.00
Elevation:

LL3ss-020-0183-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|--|-----------------|-----|-------|--|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
| REG | Cyanide | 0.16 | MG/KG | BN | J | I02 |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 6230 | MG/KG | * | J | F10 |
| REG | Antimony | 0.31 | MG/KG | UN* | J | I02 |
| REG | Arsenic | 11.1 | MG/KG | | = | |
| REG | Barium | 49.2 | MG/KG | N* | J | I02 |
| REG | Beryllium | 0.59 | MG/KG | * | = | |
| REG | Cadmium | 0.17 | MG/KG | B* | = | |
| REG | Calcium | 6250 | MG/KG | N* | J | I02 |
| REG | Chromium | 8.3 | MG/KG | * | = | |
| REG | Cobalt | 3.7 | MG/KG | * | = | |
| REG | Copper | 8.9 | MG/KG | N* | J | I02 |
| REG | Iron | 16500 | MG/KG | * | = | |
| REG | Lead | 20.8 | MG/KG | | = | |
| REG | Magnesium | 1810 | MG/KG | N* | J | I02 |
| REG | Manganese | 512 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | = | |
| REG | Nickel | 7 | MG/KG | * | = | |
| REG | Potassium | 516 | MG/KG | N | J | I02 |
| REG | Selenium | 0.74 | MG/KG | | = | |
| REG | Silver | 0.2 | MG/KG | U* | = | |
| REG | Sodium | 212 | MG/KG | BN | J | I02 |
| REG | Thallium | 1.8 | MG/KG | * | = | |
| REG | Vanadium | 12.9 | MG/KG | * | = | |
| REG | Zinc | 35.3 | MG/KG | N | J | I02 |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 |
| REG | Aldrin | 1.3 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | |
| REG | Aroclor-1254 | 68 | UG/KG | U | U | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-020 Adjacent to settling tanks and at inlet(s) and out

Northing: 13176.00
 Easting: 149014.00
 Elevation:

LL3ss-020-0183-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|-----|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | UJ | | C08 |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | |
| REG | Methoxychlor | 13 | UG/KG | U | UJ | | C08 |
| REG | Toxaphene | 85 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 440 | UG/KG | | = | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Carbazole | 340 | UG/KG | U | U | | |
| REG | Chrysene | 340 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-020 Adjacent to settling tanks and at inlet(s) and out

Northing: 13176.00
 Easting: 149014.00
 Elevation:

LL3ss-020-0183-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------------------------|--------|-------|----------------|------|-----------------|
| REG | Fluoranthene | 340 | UG/KG | U | U | |
| REG | Fluorene | 340 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | |
| REG | Isophorone | 340 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | |
| REG | Naphthalene | 340 | UG/KG | U | U | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | |
| REG | Phenanthrene | 340 | UG/KG | U | U | |
| REG | Phenol | 340 | UG/KG | U | U | |
| REG | Pyrene | 340 | UG/KG | U | U | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 5 | UG/KG | U | UJ | K01 |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Toluene | 5 | UG/KG | U | UJ | K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 |

LL3ss-020-0184-FD 0.0 - 1.2 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
|-------------|---------|--------|-------|----------------|------|-----------------|

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-020 Adjacent to settling tanks and at inlet(s) and out

Northing: 13176.00
 Easting: 149014.00
 Elevation:

LL3ss-020-0184-FD 0.0 - 1.2 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Cyanide | 0.13 | MG/KG | BN | J | I02 |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 8520 | MG/KG | * | J | F10 |
| REG | Antimony | 0.3 | MG/KG | UN* | J | I02 |
| REG | Arsenic | 13.3 | MG/KG | | = | |
| REG | Barium | 58.6 | MG/KG | N* | J | I02 |
| REG | Beryllium | 0.64 | MG/KG | * | = | |
| REG | Cadmium | 0.19 | MG/KG | B* | = | |
| REG | Calcium | 8880 | MG/KG | N* | J | I02 |
| REG | Chromium | 10.5 | MG/KG | * | = | |
| REG | Cobalt | 4.6 | MG/KG | * | = | |
| REG | Copper | 11.5 | MG/KG | N* | J | I02 |
| REG | Iron | 20600 | MG/KG | * | = | |
| REG | Lead | 20.8 | MG/KG | | = | |
| REG | Magnesium | 2470 | MG/KG | N* | J | I02 |
| REG | Manganese | 606 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | = | |
| REG | Nickel | 10.9 | MG/KG | * | = | |
| REG | Potassium | 659 | MG/KG | N | J | I02 |
| REG | Selenium | 0.75 | MG/KG | | = | |
| REG | Silver | 0.19 | MG/KG | U* | = | |
| REG | Sodium | 231 | MG/KG | N | J | I02 |
| REG | Thallium | 2.1 | MG/KG | * | = | |
| REG | Vanadium | 16 | MG/KG | * | = | |
| REG | Zinc | 37.5 | MG/KG | N | J | I02 |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 14000 | UG/KG | | = | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 4,4'-DDD | 2.5 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 2.5 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.5 | UG/KG | U | UJ | C08 |
| REG | Aldrin | 1.3 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | |
| REG | Aroclor-1016 | 33 | UG/KG | U | U | |
| REG | Aroclor-1221 | 33 | UG/KG | U | U | |
| REG | Aroclor-1232 | 33 | UG/KG | U | U | |
| REG | Aroclor-1242 | 33 | UG/KG | U | U | |
| REG | Aroclor-1248 | 33 | UG/KG | U | U | |
| REG | Aroclor-1254 | 67 | UG/KG | U | U | |
| REG | Aroclor-1260 | 67 | UG/KG | U | U | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-020 Adjacent to settling tanks and at inlet(s) and out

Northing: 13176.00
Easting: 149014.00
Elevation:

LL3ss-020-0184-FD 0.0 - 1.2 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Dieldrin | 2.5 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.5 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.5 | UG/KG | U | U | | | |
| REG | Endrin | 2.5 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.5 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.5 | UG/KG | U | UJ | C08 | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | UJ | C08 | | |
| REG | Toxaphene | 83 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 330 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 800 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 800 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 330 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 330 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 330 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 800 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 330 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 800 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 800 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 330 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 330 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 330 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 330 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 330 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 800 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 800 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 330 | UG/KG | U | U | | | |
| REG | Acenaphthene | 330 | UG/KG | U | U | | | |
| REG | Acenaphthylene | 330 | UG/KG | U | U | | | |
| REG | Anthracene | 330 | UG/KG | U | U | | | |
| REG | Benzo(a)anthracene | 330 | UG/KG | U | U | | | |
| REG | Benzo(a)pyrene | 330 | UG/KG | U | U | | | |
| REG | Benzo(b)fluoranthene | 330 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 330 | UG/KG | U | U | | | |
| REG | Benzo(k)fluoranthene | 330 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethoxy)methane | 330 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 330 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 330 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Carbazole | 330 | UG/KG | U | U | | | |
| REG | Chrysene | 330 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 330 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 330 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 330 | UG/KG | U | U | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-020 Adjacent to settling tanks and at inlet(s) and out

Northing: 13176.00
 Easting: 149014.00
 Elevation:

LL3ss-020-0184-FD 0.0 - 1.2 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/25/96

Field Measurements
 Air Temperature 80 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|----------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Fluoranthene | 330 | UG/KG | U | U | |
| REG | Fluorene | 330 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 330 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 330 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 330 | UG/KG | U | U | |
| REG | Hexachloroethane | 330 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 330 | UG/KG | U | U | |
| REG | Isophorone | 330 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 330 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 330 | UG/KG | U | U | |
| REG | Naphthalene | 330 | UG/KG | U | U | |
| REG | Pentachlorophenol | 800 | UG/KG | U | U | |
| REG | Phenanthrene | 330 | UG/KG | U | U | |
| REG | Phenol | 330 | UG/KG | U | U | |
| REG | Pyrene | 330 | UG/KG | U | U | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|---------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 5 | UG/KG | JB | UJ | F01,F06,K01 |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Toluene | 17 | UG/KG | | J | K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 |

Location: Load Line 3
 Station : LL3ss-021 Adjacent to settling tanks and at inlet(s) and out

Northing: 13168.00
 Easting: 149055.00
 Elevation:

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

LL3ss-021-0185-SO 0.0 - 0.4 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code | | |
| | | | | Lab | Data | | | |
| REG | Aluminum | 13000 | MG/KG | * | = | | | |
| REG | Arsenic | 12.8 | MG/KG | * | = | | | |
| REG | Barium | 140 | MG/KG | * | = | | | |
| REG | Cadmium | 0.24 | MG/KG | B* | J | F06 | | |
| REG | Chromium | 10 | MG/KG | * | = | | | |
| REG | Lead | 21.2 | MG/KG | * | = | | | |
| REG | Manganese | 2300 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | | |
| REG | Selenium | 0.66 | MG/KG | * | = | | | |
| REG | Silver | 0.19 | MG/KG | U* | U | | | |
| REG | Zinc | 30.9 | MG/KG | * | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code | | |
| | | | | Lab | Data | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 3
Station: LL3ss-022 Adjacent to settling tanks and at inlet(s) and out

Northing: 13133.00
Easting: 149074.00
Elevation:

LL3ss-022-0186-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code | | |
| | | | | Lab | Data | | | |
| REG | Aluminum | 23900 | MG/KG | * | = | | | |
| REG | Arsenic | 9.6 | MG/KG | * | = | | | |
| REG | Barium | 261 | MG/KG | * | = | | | |
| REG | Cadmium | 0.26 | MG/KG | B* | J | F06 | | |
| REG | Chromium | 16.3 | MG/KG | * | = | | | |
| REG | Lead | 20.6 | MG/KG | * | = | | | |
| REG | Manganese | 4800 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | | |
| REG | Selenium | 0.99 | MG/KG | * | = | | | |
| REG | Silver | 0.28 | MG/KG | B* | J | F06 | | |
| REG | Zinc | 40.5 | MG/KG | * | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code | | |
| | | | | Lab | Data | | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 570 | UG/KG | | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 14000 | UG/KG | | = | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station: LL3ss-023 One location near drain exit & one from adjacent s

Northing: 11410.00
 Easting: 149784.00
 Elevation:

LL3ss-023-0187-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.12 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9210 | MG/KG | = | | | |
| REG | Antimony | 3.4 | MG/KG | = | | | |
| REG | Arsenic | 13.7 | MG/KG | = | | | |
| REG | Barium | 62.1 | MG/KG | = | | | |
| REG | Beryllium | 0.63 | MG/KG | = | | | |
| REG | Cadmium | 1.5 | MG/KG | = | | | |
| REG | Calcium | 3660 | MG/KG | = | | | |
| REG | Chromium | 15.3 | MG/KG | = | | | |
| REG | Cobalt | 6.7 | MG/KG | = | | | |
| REG | Copper | 32.2 | MG/KG | = | | | |
| REG | Iron | 20100 | MG/KG | = | | | |
| REG | Lead | 61.7 | MG/KG | = | | | |
| REG | Magnesium | 2270 | MG/KG | = | | | |
| REG | Manganese | 289 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Nickel | 18 | MG/KG | = | | | |
| REG | Potassium | 592 | MG/KG | = | | | |
| REG | Selenium | 0.79 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Sodium | 161 | MG/KG | B | J | | |
| REG | Thallium | 1.1 | MG/KG | = | | | |
| REG | Vanadium | 14.7 | MG/KG | = | | | |
| REG | Zinc | 104 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 142 | UG/KG | J | J | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, PO8 | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.9 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 12 | UG/KG | P | J | M08 | |
| REG | 4,4'-DDT | 77 | UG/KG | E | J | M07 | |
| REG | Aldrin | 1.5 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 590 | UG/KG | = | | | |
| REG | Aroclor-1260 | 78 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Dieldrin | 2.9 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.9 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-023 One location near drain exit & one from adjacent s

Northing: 11410.00
Easting: 149784.00
Elevation:

LL3ss-023-0187-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Air Temperature | 84 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Endosulfan Sulfate | 2.9 | UG/KG | U | U | | | |
| REG | Endrin | 2.9 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 4.8 | UG/KG | P | J | M08 | | |
| REG | Endrin Ketone | 2.9 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.5 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.6 | UG/KG | | = | | | |
| REG | Heptachlor Epoxide | 1.5 | UG/KG | U | U | | | |
| REG | Methoxychlor | 15 | UG/KG | U | U | | | |
| REG | Toxaphene | 96 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 380 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 380 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 380 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 380 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 380 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 930 | 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-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 | 930 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 930 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 380 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 380 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 380 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 380 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 380 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 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 | 62 | UG/KG | J | J | | | |
| REG | Bis(2-chloroethoxy)methane | 380 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 380 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 380 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 88 | UG/KG | J | J | | | |
| 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 | 51 | UG/KG | J | J | | | |
| REG | Fluorene | 380 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 380 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-023 One location near drain exit & one from adjacent s

Northing: 11410.00
 Easting: 149784.00
 Elevation:

LL3ss-023-0187-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Air Temperature | 84 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 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 | Pentachlorophenol | 930 | 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 | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REA | 1,1,1-Trichloroethane | 6 | UG/KG | U | UJ | K01 |
| REA | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | UJ | K01 |
| REA | 1,1,2-Trichloroethane | 6 | UG/KG | U | UJ | K01 |
| REA | 1,1-Dichloroethane | 6 | UG/KG | U | UJ | K01 |
| REA | 1,1-Dichloroethene | 6 | UG/KG | U | UJ | K01 |
| REA | 1,2-Dichloroethane | 6 | UG/KG | U | UJ | K01 |
| REA | 1,2-Dichloropropane | 6 | UG/KG | U | UJ | K01 |
| REA | 1,2-cis-Dichloroethene | 6 | UG/KG | U | UJ | K01 |
| REA | 1,2-trans-Dichloroethene | 6 | UG/KG | U | UJ | K01 |
| REA | 1,3-cis-Dichloropropene | 6 | UG/KG | U | UJ | K01 |
| REA | 1,3-trans-Dichloropropene | 6 | UG/KG | U | UJ | K01 |
| REA | 2-Butanone | 6 | UG/KG | U | UJ | K01 |
| REA | 2-Hexanone | 6 | UG/KG | U | UJ | K01 |
| REA | 4-Methyl-2-pentanone | 6 | UG/KG | U | UJ | K01 |
| REA | Acetone | 6 | UG/KG | U | UJ | K01 |
| REA | Benzene | 6 | UG/KG | U | UJ | K01 |
| REA | Bromodichloromethane | 6 | UG/KG | U | UJ | K01 |
| REA | Bromoform | 6 | UG/KG | U | UJ | K01 |
| REA | Bromomethane | 6 | UG/KG | U | UJ | K01 |
| REA | Carbon Disulfide | 6 | UG/KG | U | UJ | K01 |
| REA | Carbon Tetrachloride | 6 | UG/KG | U | UJ | K01 |
| REA | Chlorobenzene | 6 | UG/KG | U | UJ | K01 |
| REA | Chloroethane | 6 | UG/KG | U | UJ | C02,K01 |
| REA | Chloroform | 6 | UG/KG | U | UJ | K01 |
| REA | Chloromethane | 6 | UG/KG | U | UJ | K01 |
| REA | Dibromochloromethane | 6 | UG/KG | U | UJ | K01 |
| REA | Ethylbenzene | 6 | UG/KG | U | UJ | K01 |
| REA | Methylene Chloride | 2 | UG/KG | J | J | C05,K01 |
| REA | Styrene | 6 | UG/KG | U | UJ | K01 |
| REA | Tetrachloroethene | 6 | UG/KG | U | UJ | K01 |
| REA | Toluene | 6 | UG/KG | U | UJ | K01 |
| REA | Trichloroethene | 6 | UG/KG | U | UJ | K01 |
| REA | Vinyl Chloride | 6 | UG/KG | U | UJ | K01 |
| REA | Xylenes, Total | 6 | UG/KG | U | UJ | K01 |
| REA | o-Xylene | 6 | UG/KG | U | UJ | K01 |

Location: Load Line 3
 Station : LL3ss-024 One location near drain exit & one from adjacent s

Northing: 11505.00
 Easting: 149765.00
 Elevation:

LL3ss-024-0188-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Air Temperature | 84 | DEG F | | |
|--------------------|--|-----------------|-----|-------|--|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 5430 | MG/KG | | = | |
| REG | Antimony | 0.33 | MG/KG | U | = | |
| REG | Arsenic | 12 | MG/KG | | = | |
| REG | Barium | 26.8 | MG/KG | | = | |
| REG | Beryllium | 0.31 | MG/KG | | = | |
| REG | Cadmium | 0.14 | MG/KG | B | J | |
| REG | Calcium | 772 | MG/KG | | = | |
| REG | Chromium | 7 | MG/KG | | = | |
| REG | Cobalt | 5.8 | MG/KG | | = | |
| REG | Copper | 18.5 | MG/KG | | = | |
| REG | Iron | 14900 | MG/KG | | = | |
| REG | Lead | 13.9 | MG/KG | | = | |
| REG | Magnesium | 1180 | MG/KG | | = | |
| REG | Manganese | 276 | MG/KG | | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Nickel | 10.7 | MG/KG | | = | |
| REG | Potassium | 486 | MG/KG | B | J | |
| REG | Selenium | 0.46 | MG/KG | B | J | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Sodium | 138 | MG/KG | B | J | |
| REG | Thallium | 1 | MG/KG | | = | |
| REG | Vanadium | 9.9 | MG/KG | | = | |
| REG | Zinc | 52.9 | MG/KG | | = | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 180 | UG/KG | J | J | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-024 One location near drain exit & one from adjacent s

Northing: 11505.00
 Easting: 149765.00
 Elevation:

LL3ss-024-0188-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Head Space | 0.0 | PPM | | | |
|--------------------|-------------------------------|---------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | U | | |
| REG | Toxaphene | 90 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| 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 | 870 | 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 | 870 | 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 | 870 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 360 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 870 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 870 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 360 | 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 | 870 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 870 | 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 | 360 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 360 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 360 | UG/KG | U | U | | |
| 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 | 240 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 360 | UG/KG | U | U | | |
| REG | Carbazole | 360 | UG/KG | U | U | | |
| REG | Chrysene | 360 | UG/KG | U | U | | |
| 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 | 360 | UG/KG | U | U | | |
| 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 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-024 One location near drain exit & one from adjacent s

Northing: 11505.00
 Easting: 149765.00
 Elevation:

LL3ss-024-0188-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Head Space | 0.0 | PPM | | | |
|--------------------|---------------------------|---------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Naphthalene | 360 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 870 | UG/KG | U | U | | |
| REG | Phenanthrene | 360 | UG/KG | U | U | | |
| REG | Phenol | 360 | UG/KG | U | U | | |
| REG | Pyrene | 360 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | U | | |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | |
| REG | Chloroform | 5 | UG/KG | U | U | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 21 | UG/KG | B | U | F01,F07 | |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

Location: Load Line 3
 Station : LL3ss-026 At building drain outfall

Northing: 11539.00
 Easting: 149715.00
 Elevation:

LL3ss-026-0189-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Head Space | 0.0 | PPM | | | |
|--------------------|----------|---------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.12 | MG/KG | B | J | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 6720 | MG/KG | = | = | | |
| REG | Antimony | 5.4 | MG/KG | = | = | | |
| REG | Arsenic | 12.2 | MG/KG | = | = | | |
| REG | Barium | 41.2 | MG/KG | = | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station: LL3ss-025 At building drain outfall

Northing: 11539.00
 Easting: 149715.00
 Elevation:

LL3ss-025-0189-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Head Space | 0.0 | PPM | | | | |
|--------------------|------------------------|---------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Beryllium | 0.5 | MG/KG | = | | | | |
| REG | Cadmium | 1.5 | MG/KG | = | | | | |
| REG | Calcium | 1280 | MG/KG | = | | | | |
| REG | Chromium | 14.4 | MG/KG | = | | | | |
| REG | Cobalt | 5.7 | MG/KG | = | | | | |
| REG | Copper | 43.1 | MG/KG | = | | | | |
| REG | Iron | 17300 | MG/KG | = | | | | |
| REG | Lead | 64.1 | MG/KG | = | | | | |
| REG | Magnesium | 1570 | MG/KG | = | | | | |
| REG | Manganese | 214 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Nickel | 13.6 | MG/KG | = | | | | |
| REG | Potassium | 691 | MG/KG | = | | | | |
| REG | Selenium | 0.43 | MG/KG | B | J | | | |
| REG | Silver | 0.2 | MG/KG | U | = | | | |
| REG | Sodium | 137 | MG/KG | B | J | | | |
| REG | Thallium | 0.78 | MG/KG | = | | | | |
| REG | Vanadium | 12.5 | MG/KG | = | | | | |
| REG | Zinc | 109 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 71 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 71 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-025 At building drain outfall

Northing: 11539.00
Easting: 149715.00
Elevation:

LL3ss-025-0189-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Head Space | 0.0 | PPM | | | |
|--------------------|-------------------------------|---------------|--------|-------|----------------|------|-----------------|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Heptachlor Epoxide | | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | | 14 | UG/KG | U | U | |
| REG | Toxaphene | | 88 | UG/KG | U | U | |
| Sample Type | Semi-Volatile Organics | | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,2,4-Trichlorobenzene | | 350 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | | 350 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | | 350 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | | 350 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | | 350 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | | 850 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | | 350 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | | 350 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | | 350 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | | 850 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | | 350 | UG/KG | U | U | |
| REG | 2-Chlorophenol | | 350 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | | 350 | UG/KG | U | U | |
| REG | 2-Methylphenol | | 350 | UG/KG | U | U | |
| REG | 2-Nitroaniline | | 850 | UG/KG | U | U | |
| REG | 2-Nitrophenol | | 350 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | | 850 | UG/KG | U | U | |
| REG | 3-Nitroaniline | | 850 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | | 350 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | | 350 | UG/KG | U | U | |
| REG | 4-Chloroaniline | | 350 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | | 350 | UG/KG | U | U | |
| REG | 4-Methylphenol | | 350 | UG/KG | U | U | |
| REG | 4-Nitroaniline | | 850 | UG/KG | U | U | |
| REG | 4-Nitrophenol | | 850 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | | 350 | UG/KG | U | U | |
| REG | Acenaphthene | | 350 | UG/KG | U | U | |
| REG | Acenaphthylene | | 350 | UG/KG | U | U | |
| REG | Anthracene | | 350 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | | 350 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | | 350 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | | 350 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | | 350 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | | 350 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | | 350 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | | 350 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | | 350 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | | 350 | UG/KG | U | U | |
| REG | Carbazole | | 350 | UG/KG | U | U | |
| REG | Chrysene | | 350 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | | 110 | UG/KG | J | J | |
| REG | Di-n-octyl Phthalate | | 350 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | | 350 | UG/KG | U | U | |
| REG | Dibenzofuran | | 350 | UG/KG | U | U | |
| REG | Diethyl Phthalate | | 350 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | | 350 | UG/KG | U | U | |
| REG | Fluoranthene | | 350 | UG/KG | U | U | |
| REG | Fluorene | | 350 | UG/KG | U | U | |
| REG | Hexachlorobenzene | | 350 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | | 350 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | | 350 | UG/KG | U | U | |
| REG | Hexachloroethane | | 350 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | | 350 | UG/KG | U | U | |
| REG | Isophorone | | 350 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | | 350 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | | 350 | UG/KG | U | U | |
| REG | Naphthalene | | 350 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-025 At building drain outfall

Northing: 11539.00
Easting: 149715.00
Elevation:

LL3ss-025-0189-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Head Space | 0.0 | PPM | | | |
|--------------------|------------------------|---------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Pentachlorophenol | 850 | UG/KG | U | U | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | |
| REG | Phenol | 350 | UG/KG | U | U | | |
| REG | Pyrene | 350 | UG/KG | U | U | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|--|
| REA | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REA | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REA | 2-Butanone | 5 | UG/KG | U | UJ | K01 | |
| REA | 2-Hexanone | 5 | UG/KG | U | UJ | K01 | |
| REA | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | |
| REA | Acetone | 5 | UG/KG | U | UJ | K01 | |
| REA | Benzene | 5 | UG/KG | U | UJ | K01 | |
| REA | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | |
| REA | Bromoform | 5 | UG/KG | U | UJ | K01 | |
| REA | Bromomethane | 5 | UG/KG | U | UJ | K01 | |
| REA | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 | |
| REA | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | |
| REA | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | |
| REA | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 | |
| REA | Chloroform | 5 | UG/KG | U | UJ | K01 | |
| REA | Chloromethane | 5 | UG/KG | U | UJ | K01 | |
| REA | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | |
| REA | Ethylbenzene | 5 | UG/KG | U | UJ | K01 | |
| REA | Methylene Chloride | 4 | UG/KG | J | J | C05,K01 | |
| REA | Styrene | 5 | UG/KG | U | UJ | K01 | |
| REA | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | |
| REA | Toluene | 5 | UG/KG | U | UJ | K01 | |
| REA | Trichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REA | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 | |
| REA | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | |
| REA | o-Xylene | 5 | UG/KG | U | UJ | K01 | |

Location: Load Line 3
Station : LL3ss-026 Sample from soil below tank effluent line.

Northing: 12186.00
Easting: 149394.00
Elevation:

LL3ss-026-0190-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Head Space | 0.0 | PPM | | | |
|--------------------|-----------|---------------|-------|----------------|------|-----------------|--|
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 5530 | MG/KG | | = | | |
| REG | Arsenic | 12.2 | MG/KG | | = | | |
| REG | Barium | 46 | MG/KG | | = | | |
| REG | Cadmium | 0.32 | MG/KG | B | J | | |
| REG | Chromium | 31.6 | MG/KG | | = | | |
| REG | Lead | 129 | MG/KG | | = | | |
| REG | Manganese | 426 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | | U | | |
| REG | Selenium | 0.45 | MG/KG | B | J | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-026

Sample from soil below tank effluent line.

Northing: 12186.00
Easting: 149394.00
Elevation:

LL3ss-026-0190-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 83.4 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 253 | UG/KG | | = | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 110000 | UG/KG | D | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

LL3ss-026-0191-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 4530 | MG/KG | | = | | | |
| REG | Arsenic | 9.8 | MG/KG | | = | | | |
| REG | Barium | 39.9 | MG/KG | | = | | | |
| REG | Cadmium | 0.53 | MG/KG | | = | | | |
| REG | Chromium | 13.7 | MG/KG | | = | | | |
| REG | Lead | 67.5 | MG/KG | | = | | | |
| REG | Manganese | 574 | MG/KG | | = | | | |
| REG | Mercury | 0.04 | MG/KG | | U | | | |
| REG | Selenium | 1 | MG/KG | | = | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | | |
| REG | Zinc | 86.3 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 200 | UG/KG | J | J | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 8100 | UG/KG | | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 3
Station: LL3ss-027 At tank outfall

Northing: 12349.00
Easting: 149518.00
Elevation:

LL3ss-027-0193-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | | |
|--------------------|--|-----------------|-----|-------|--|--|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

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

Location: Load Line 3
Station : LL3ss-028 Downgradient of tank outfall

Northing: 12208.00
Easting: 149524.00
Elevation:

LL3ss-028-0194-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

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

| Sample Type | Cyanide | Result | Units | Qualifiers | | Validation Code |
|-------------|---------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Cyanide | 0.38 | MG/KG | B | J | F06 |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 10500 | MG/KG | = | = | |
| REG | Antimony | 0.34 | MG/KG | UN | UJ | I02 |
| REG | Arsenic | 14.6 | MG/KG | N | J | I02 |
| REG | Barium | 95.8 | MG/KG | * | = | |
| REG | Beryllium | 1.2 | MG/KG | = | = | |
| REG | Cadmium | 0.41 | MG/KG | B | J | F06 |
| REG | Calcium | 13000 | MG/KG | = | = | |
| REG | Chromium | 13.2 | MG/KG | = | = | |
| REG | Cobalt | 7.6 | MG/KG | = | = | |
| REG | Copper | 17.7 | MG/KG | = | = | |
| REG | Iron | 19000 | MG/KG | = | = | |
| REG | Lead | 29.5 | MG/KG | * | = | |
| REG | Magnesium | 3330 | MG/KG | = | = | |
| REG | Manganese | 919 | MG/KG | N* | J | I02 |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Nickel | 16.9 | MG/KG | = | = | |
| REG | Potassium | 785 | MG/KG | = | = | |
| REG | Selenium | 1.4 | MG/KG | N | J | I02 |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Sodium | 211 | MG/KG | B | J | F06 |
| REG | Thallium | 3.2 | MG/KG | N | J | I02 |
| REG | Vanadium | 15.9 | MG/KG | = | = | |
| REG | Zinc | 72.1 | MG/KG | * | = | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 4,4'-DDD | 2.8 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 3.8 | UG/KG | P | J | M08 |
| REG | 4,4'-DDT | 2.8 | UG/KG | U | UJ | C08 |
| REG | Aldrin | 1.5 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.5 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | |
| REG | Aroclor-1016 | 37 | UG/KG | U | U | |
| REG | Aroclor-1221 | 37 | UG/KG | U | U | |
| REG | Aroclor-1232 | 37 | UG/KG | U | U | |
| REG | Aroclor-1242 | 37 | UG/KG | U | U | |
| REG | Aroclor-1248 | 37 | UG/KG | U | U | |
| REG | Aroclor-1254 | 170 | UG/KG | = | = | |
| REG | Aroclor-1260 | 75 | UG/KG | U | U | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-028 Downgradient of tank outfall

Northing: 12208.00
Easting: 149524.00
Elevation:

LL3ss-028-0194-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 65 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Dieldrin | 2.8 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.8 | UG/KG | U | UJ | C08 | | |
| REG | Endosulfan Sulfate | 2.8 | UG/KG | U | UJ | C08 | | |
| REG | Endrin | 2.8 | UG/KG | U | UJ | C08 | | |
| REG | Endrin Aldehyde | 2.8 | UG/KG | U | UJ | C08 | | |
| REG | Endrin Ketone | 2.8 | UG/KG | U | UJ | C08 | | |
| REG | Gamma Chlordane | 1.5 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.5 | UG/KG | U | UJ | C08 | | |
| REG | Heptachlor Epoxide | 1.5 | UG/KG | U | U | | | |
| REG | Methoxychlor | 15 | UG/KG | U | UJ | C08 | | |
| REG | Toxaphene | 93 | UG/KG | U | U | | | |
| 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 | 900 | 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 | 900 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 370 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 370 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 48 | UG/KG | J | J | C05 | | |
| REG | 2-Methylphenol | 370 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 900 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 370 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 900 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 900 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 370 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 370 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 370 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 370 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 370 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 900 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 900 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 370 | UG/KG | U | U | | | |
| REG | Acenaphthene | 66 | UG/KG | J | J | | | |
| REG | Acenaphthylene | 58 | UG/KG | J | J | | | |
| REG | Anthracene | 160 | UG/KG | J | J | | | |
| REG | Benzo(a)anthracene | 640 | UG/KG | = | = | | | |
| REG | Benzo(a)pyrene | 880 | UG/KG | = | = | | | |
| REG | Benzo(b)fluoranthene | 830 | UG/KG | = | = | | | |
| REG | Benzo(g,h,i)perylene | 610 | UG/KG | = | = | | | |
| REG | Benzo(k)fluoranthene | 610 | UG/KG | = | = | | | |
| 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 | 110 | UG/KG | J | J | | | |
| REG | Chrysene | 670 | UG/KG | = | = | | | |
| 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 | 150 | UG/KG | J | J | | | |
| REG | Dibenzofuran | 370 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 370 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 370 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-028 Downgradient of tank outfall

Northing: 12208.00
 Easting: 149524.00
 Elevation:

LL3ss-028-0194-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 65 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Fluoranthene | 1600 | UG/KG | = | | |
| REG | Fluorene | 58 | UG/KG | J | J | |
| 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 | 590 | UG/KG | = | | |
| 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 | 52 | UG/KG | J | J | |
| REG | Pentachlorophenol | 900 | UG/KG | U | U | |
| REG | Phenanthrene | 640 | UG/KG | = | | |
| REG | Phenol | 370 | UG/KG | U | U | |
| REG | Pyrene | 1100 | UG/KG | = | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Butanone | 6 | UG/KG | U | UJ | C05,G02,K01 |
| REG | 2-Hexanone | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 6 | UG/KG | U | R | C04,C05,G02 |
| REG | Benzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromodichloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromoform | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromomethane | 6 | UG/KG | U | UJ | C05,G02,K01 |
| REG | Carbon Disulfide | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chlorobenzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02,G02,K01 |
| REG | Chloroform | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Dibromochloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Ethylbenzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Methylene Chloride | 15 | UG/KG | B | UJ | F01,F07,G02 |
| REG | Styrene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Tetrachloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Toluene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Trichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Vinyl Chloride | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Xylenes, Total | 6 | UG/KG | U | UJ | G02,K01 |
| REG | o-Xylene | 6 | UG/KG | U | UJ | G02,K01 |

Location: Load Line 3
 Station : LL3ss-029 Adjacent to each vacuum pump house near exhaust ve

Northing: 13413.00
 Easting: 148878.00
 Elevation:

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

LL3ss-029-0195-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 6920 | MG/KG | * | = | |
| REG | Arsenic | 14.5 | MG/KG | * | J | J04 |
| REG | Barium | 86.7 | MG/KG | * | = | |
| REG | Cadmium | 0.54 | MG/KG | * | = | |
| REG | Chromium | 11.9 | MG/KG | N | J | I01 |
| REG | Lead | 53.9 | MG/KG | * | J | I01 |
| REG | Manganese | 827 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 0.73 | MG/KG | * | = | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 86.3 | MG/KG | N* | J | I01 |

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

Location: Load Line 3
 Station: LL3ss-030 Adjacent to each vacuum pump house near exhaust ve

Northing: 13373.00
 Easting: 148901.00
 Elevation:

LL3ss-030-0196-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

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

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
| REG | Cyanide | 0.36 | MG/KG | BN | J | I02 |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 6770 | MG/KG | * | J | F10 |
| REG | Antimony | 0.33 | MG/KG | UN* | J | I02 |
| REG | Arsenic | 12.7 | MG/KG | * | = | |
| REG | Barium | 85.7 | MG/KG | N* | J | I02 |
| REG | Beryllium | 0.68 | MG/KG | * | = | |
| REG | Cadmium | 0.42 | MG/KG | B* | = | |
| REG | Calcium | 2970 | MG/KG | N* | J | I02 |
| REG | Chromium | 10.3 | MG/KG | * | = | |
| REG | Cobalt | 7.3 | MG/KG | * | = | |
| REG | Copper | 22.5 | MG/KG | N* | J | I02 |
| REG | Iron | 19900 | MG/KG | * | = | |
| REG | Lead | 46.7 | MG/KG | * | = | |
| REG | Magnesium | 1140 | MG/KG | N* | J | I02 |
| REG | Manganese | 917 | MG/KG | * | = | |
| REG | Mercury | 0.05 | MG/KG | * | = | |
| REG | Nickel | 13.8 | MG/KG | * | = | |
| REG | Potassium | 468 | MG/KG | BN | J | I02 |
| REG | Selenium | 1.1 | MG/KG | * | = | |
| REG | Silver | 0.21 | MG/KG | U* | = | |
| REG | Sodium | 161 | MG/KG | BN | J | I02 |
| REG | Thallium | 3.5 | MG/KG | * | = | |
| REG | Vanadium | 15.1 | MG/KG | * | = | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-030 Adjacent to each vacuum pump house near exhaust ve

Northing: 13373.00
 Easting: 148901.00
 Elevation:

LL3ss-030-0196-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Zinc | 81.9 | MG/KG | N | J | 102 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 1400 | UG/KG | | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.7 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.7 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.7 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 36 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 74 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 74 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.7 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | U | | |
| REG | Endrin | 2.7 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.7 | UG/KG | U | UJ | C08 | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 91 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| 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) | 56 | UG/KG | J | U | | |
| REG | 2,4,5-Trichlorophenol | 880 | 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 | 880 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-030 Adjacent to each vacuum pump house near exhaust ve

Northing: 13373.00
Easting: 148901.00
Elevation:

LL3ss-030-0196-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 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 | 880 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 360 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 880 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 880 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 360 | 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 | 880 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 880 | 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 | 39 | UG/KG | J | J | | |
| REG | Benzo(a)pyrene | 360 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 42 | UG/KG | J | J | | |
| REG | Benzo(g,h,i)perylene | 360 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 38 | UG/KG | J | J | | |
| 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 | 46 | 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 | Pentachlorophenol | 880 | UG/KG | U | U | | |
| REG | Phenanthrene | 72 | UG/KG | J | J | | |
| REG | Phenol | 360 | UG/KG | U | U | | |
| REG | Pyrene | 57 | UG/KG | J | J | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-030

Adjacent to each vacuum pump house near exhaust ve

Northing: 13373.00
Easting: 148901.00
Elevation:

LL3ss-030-0196-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|---------------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U UJ | K01 | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U UJ | K01 | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U UJ | K01 | |
| REG | 2-Butanone | 5 | UG/KG | U U | | |
| REG | 2-Hexanone | 5 | UG/KG | U UJ | K01 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U UJ | K01 | |
| REG | Acetone | 5 | UG/KG | U U | | |
| REG | Benzene | 5 | UG/KG | U UJ | K01 | |
| REG | Bromodichloromethane | 5 | UG/KG | U U | | |
| REG | Bromoform | 5 | UG/KG | U UJ | K01 | |
| REG | Bromomethane | 5 | UG/KG | U U | | |
| REG | Carbon Disulfide | 5 | UG/KG | U U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U U | | |
| REG | Chlorobenzene | 5 | UG/KG | U UJ | K01 | |
| REG | Chloroethane | 5 | UG/KG | U UJ | C02 | |
| REG | Chloroform | 5 | UG/KG | U U | | |
| REG | Chloromethane | 5 | UG/KG | U U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U UJ | K01 | |
| REG | Ethylbenzene | 5 | UG/KG | U UJ | K01 | |
| REG | Methylene Chloride | 5 | UG/KG | JB U | F01, F06 | |
| REG | Styrene | 5 | UG/KG | U UJ | K01 | |
| REG | Tetrachloroethene | 5 | UG/KG | U UJ | K01 | |
| REG | Toluene | 38 | UG/KG | J | K01 | |
| REG | Trichloroethene | 5 | UG/KG | U UJ | K01 | |
| REG | Vinyl Chloride | 5 | UG/KG | U U | | |
| REG | Xylenes, Total | 5 | UG/KG | U UJ | K01 | |
| REG | o-Xylene | 5 | UG/KG | U UJ | K01 | |

Location: Load Line 3
Station : LL3ss-031

Along east and south sides of building

Northing: 13436.00
Easting: 148823.00
Elevation:

LL3ss-031-0197-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 4960 | MG/KG | = | | |
| REG | Arsenic | 13.3 | MG/KG | * J | J04 | |
| REG | Barium | 49.3 | MG/KG | = | | |
| REG | Cadmium | 1.4 | MG/KG | = | | |
| REG | Chromium | 11.9 | MG/KG | N J | I01 | |
| REG | Lead | 36.9 | MG/KG | * J | I01 | |
| REG | Manganese | 527 | MG/KG | * = | | |
| REG | Mercury | 0.03 | MG/KG | U U | | |
| REG | Selenium | 0.48 | MG/KG | B J | F06 | |
| REG | Silver | 0.2 | MG/KG | U U | | |
| REG | Zinc | 84.6 | MG/KG | N* J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U U | | |
| REG | 2,4,6-Trinitrotoluene | 6500 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-031 Along east and south sides of building

Northing: 13436.00
 Easting: 148823.00
 Elevation:

LL3ss-031-0197-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 68 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 3
 Station : LL3ss-032 Along east and south sides of building

Northing: 13397.00
 Easting: 148844.00
 Elevation:

LL3ss-032-0198-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 68 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 5380 | MG/KG | = | | | | |
| REG | Arsenic | 7 | MG/KG | * | J | J04 | | |
| REG | Barium | 68.4 | MG/KG | = | | | | |
| REG | Cadmium | 0.83 | MG/KG | = | | | | |
| REG | Chromium | 8.6 | MG/KG | N | J | I01 | | |
| REG | Lead | 77.9 | MG/KG | * | J | I01 | | |
| REG | Manganese | 759 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | = | | | |
| REG | Selenium | 0.43 | MG/KG | B | = | | | |
| REG | Silver | 0.2 | MG/KG | U | = | | | |
| REG | Zinc | 187 | MG/KG | N* | J | I01 | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 1500 | UG/KG | | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 3
 Station : LL3ss-033 Along east and south sides of building

Northing: 13354.00
 Easting: 148867.00
 Elevation:

LL3ss-033-0199-SO 0.0 - 0.9 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 7500 | MG/KG | = | | | | |
| REG | Arsenic | 9.3 | MG/KG | * | J | J04 | | |
| REG | Barium | 53.7 | MG/KG | = | | | | |
| REG | Cadmium | 0.25 | MG/KG | B | J | F06 | | |
| REG | Chromium | 9.9 | MG/KG | N | J | I01 | | |
| REG | Lead | 27.9 | MG/KG | * | J | I01 | | |
| REG | Manganese | 425 | MG/KG | * | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-033 Along east and south sides of building

Northing: 13354.00
Easting: 148867.00
Elevation:

LL3ss-033-0199-SO 0.0 - 0.9 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 70 | DEG | F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 0.74 | MG/KG | | = | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 50.3 | MG/KG | N* | J | 101 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 3
Station : LL3ss-034 Along east and south sides of building

Northing: 13313.00
Easting: 148888.00
Elevation:

LL3ss-034-0200-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 70 | DEG | F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 4860 | MG/KG | | = | | |
| REG | Arsenic | 14.2 | MG/KG | * | J | J04 | |
| REG | Barium | 99.3 | MG/KG | | = | | |
| REG | Cadmium | 1.4 | MG/KG | | = | | |
| REG | Chromium | 38.5 | MG/KG | N | J | 101 | |
| REG | Lead | 157 | MG/KG | * | J | 101 | |
| REG | Manganese | 525 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.9 | MG/KG | | = | | |
| REG | Silver | 0.34 | MG/KG | B | J | F06 | |
| REG | Zinc | 204 | MG/KG | N* | J | 101 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 110000 | UG/KG | PJ | J | M07 | |
| REG | 1,3-Dinitrobenzene | 1250000 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 390000000 | UG/KG | D | = | | |
| REG | 2,4-Dinitrotoluene | 1250000 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 1300000 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 1250000 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 1250000 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 1250000 | UG/KG | U | U | | |
| REG | HMX | 10000000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 1300000 | UG/KG | U | U | | |
| REG | RDX | 5000000 | UG/KG | U | U | | |
| REG | Tetryl | 3250000 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station: LL3ss-036 At settling tank outfall

Northing: 13226.00
Easting: 149556.00
Elevation:

LL3ss-036-0203-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7010 | MG/KG | | = | | |
| REG | Arsenic | 21.9 | MG/KG | * | J | J04 | |
| REG | Barium | 53.5 | MG/KG | | = | | |
| REG | Cadmium | 0.35 | MG/KG | B | J | F06 | |
| REG | Chromium | 11.1 | MG/KG | N | J | I01 | |
| REG | Lead | 31.2 | MG/KG | * | J | I01 | |
| REG | Manganese | 807 | MG/KG | * | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 1.2 | MG/KG | | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 64.3 | MG/KG | N* | J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 1400 | UG/KG | | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 3
Station: LL3ss-037 At settling tank outfall

Northing: 12763.00
Easting: 149878.00
Elevation:

LL3ss-037-0204-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8080 | MG/KG | | J | F10 | |
| REG | Arsenic | 18 | MG/KG | | = | | |
| REG | Barium | 50.9 | MG/KG | | = | | |
| REG | Cadmium | 0.35 | MG/KG | B | J | F06 | |
| REG | Chromium | 13 | MG/KG | | = | | |
| REG | Lead | 23 | MG/KG | | = | | |
| REG | Manganese | 494 | MG/KG | | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 1.8 | MG/KG | | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 72.6 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 900 | UG/KG | | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-037 At settling tank outfall
 Northing: 12763.00
 Easting: 149878.00
 Elevation:
 LL3ss-037-0204-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 3
 Station : LL3ss-039(b) East side of operations area inside load line fence
 Northing: 13042.00
 Easting: 149946.00
 Elevation:
 LL3ss-039(b)-0206-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10500 | MG/KG | J | | F10 | |
| REG | Arsenic | 12 | MG/KG | = | | | |
| REG | Barium | 45.5 | MG/KG | = | | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | |
| REG | Chromium | 12 | MG/KG | = | | | |
| REG | Lead | 13.7 | MG/KG | = | | | |
| REG | Manganese | 179 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.4 | MG/KG | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 44.1 | MG/KG | = | | | |

Location: Load Line 3
 Station : LL3ss-040(b) Northwest of operations area outside load line fence
 Northing: 13661.00
 Easting: 147924.00
 Elevation:
 LL3ss-040(b)-0207-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9730 | MG/KG | J | | F10 | |
| REG | Arsenic | 9.4 | MG/KG | = | | | |
| REG | Barium | 58.4 | MG/KG | = | | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | |
| REG | Chromium | 11 | MG/KG | = | | | |
| REG | Lead | 14.7 | MG/KG | = | | | |
| REG | Manganese | 664 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.4 | MG/KG | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 40.5 | MG/KG | = | | | |

Location: Load Line 3
 Station : LL3ss-043 Locations TBD as needed based on field observation
 Northing: 11978.00
 Easting: 150364.00
 Elevation:
 LL3ss-043-0210-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|---------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
Station : LL3ss-043 Locations TBD as needed based on field observation

Northing: 11978.00
Easting: 150364.00
Elevation:

LL3ss-043-0210-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.15 | MG/KG | B | U | F01 | |
| Sample Type | Métals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 12700 | MG/KG | = | | | |
| REG | Antimony | 30 | MG/KG | = | | | |
| REG | Arsenic | 12.6 | MG/KG | = | | | |
| REG | Barium | 52.5 | MG/KG | = | | | |
| REG | Beryllium | 0.55 | MG/KG | = | | | |
| REG | Cadmium | 0.07 | MG/KG | B | U | F01 | |
| REG | Calcium | 1520 | MG/KG | = | | | |
| REG | Chromium | 15.1 | MG/KG | = | | | |
| REG | Cobalt | 7.4 | MG/KG | = | | | |
| REG | Copper | 14.3 | MG/KG | = | | | |
| REG | Iron | 23600 | MG/KG | = | | | |
| REG | Lead | 13.7 | MG/KG | = | | | |
| REG | Magnesium | 2390 | MG/KG | = | | | |
| REG | Manganese | 233 | MG/KG | = | | | |
| REG | Mercury | 0.1 | MG/KG | = | | | |
| REG | Nickel | 16.1 | MG/KG | = | | | |
| REG | Potassium | 967 | MG/KG | = | | | |
| REG | Selenium | 1.6 | MG/KG | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Sodium | 150 | MG/KG | B | J | F06 | |
| REG | Thallium | 2.7 | MG/KG | = | | | |
| REG | Vanadium | 22.5 | MG/KG | = | | | |
| REG | Zinc | 47.4 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.7 | UG/KG | U | UJ | C08,G02 | |
| REG | 4,4'-DDE | 2.7 | UG/KG | U | UJ | G02 | |
| REG | 4,4'-DDT | 2.7 | UG/KG | U | UJ | C08,G02 | |
| REG | Aldrin | 1.4 | UG/KG | U | UJ | G02 | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | UJ | G02 | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | UJ | G02 | |
| REG | Aroclor-1016 | 36 | UG/KG | U | UJ | G02 | |
| REG | Aroclor-1221 | 36 | UG/KG | U | UJ | G02 | |
| REG | Aroclor-1232 | 36 | UG/KG | U | UJ | G02 | |
| REG | Aroclor-1242 | 36 | UG/KG | U | UJ | G02 | |
| REG | Aroclor-1248 | 36 | UG/KG | U | UJ | G02 | |
| REG | Aroclor-1254 | 73 | UG/KG | U | UJ | G02 | |
| REG | Aroclor-1260 | 73 | UG/KG | U | UJ | G02 | |
| REG | Beta-BHC | 1.4 | UG/KG | U | UJ | G02 | |
| REG | Delta-BHC | 1.4 | UG/KG | U | UJ | G02 | |
| REG | Dieldrin | 2.7 | UG/KG | U | UJ | G02 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 3
 Station : LL3ss-043 Locations TBD as needed based on field observation

Northing: 11978.00
 Easting: 150364.00
 Elevation:

LL3ss-043-0210-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Endosulfan I | 1.4 | UG/KG | U | UJ | G02 |
| REG | Endosulfan II | 2.7 | UG/KG | U | UJ | G02 |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | UJ | G02 |
| REG | Endrin | 2.7 | UG/KG | U | UJ | G02 |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | UJ | G02 |
| REG | Endrin Ketone | 2.7 | UG/KG | U | UJ | G02 |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | UJ | G02 |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | UJ | G02 |
| REG | Heptachlor | 1.4 | UG/KG | U | UJ | G02 |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | UJ | G02 |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08,G02 |
| REG | Toxaphene | 90 | UG/KG | U | UJ | G02 |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| 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) | 380 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 870 | 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 | 870 | UG/KG | U | UJ | C05 |
| 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 | 870 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 360 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 870 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 870 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 360 | 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 | 870 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 870 | 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 | 82 | UG/KG | J | J | |
| REG | Benzo(a)pyrene | 54 | UG/KG | J | J | |
| REG | Benzo(b)fluoranthene | 54 | UG/KG | J | J | |
| REG | Benzo(g,h,i)perylene | 360 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 50 | UG/KG | J | J | |
| 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 | 83 | 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 | 130 | UG/KG | J | J | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 3
 Station: LL3ss-043 Locations TBD as needed based on field observation

Northing: 11978.00
 Easting: 150364.00
 Elevation:

LL3ss-043-0210-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 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 | UJ | C05 | |
| 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 | Pentachlorophenol | 870 | UG/KG | U | U | | |
| REG | Phenanthrene | 74 | UG/KG | J | J | | |
| REG | Phenol | 360 | UG/KG | U | U | | |
| REG | Pyrene | 89 | UG/KG | J | J | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-001 Along north side of building and adjacent to wash

Northing: 8914.00
Easting: 143695.00
Elevation:

LL4ss-001-0231-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 6050 | MG/KG | J | F10 | |
| REG | Arsenic | 10.4 | MG/KG | = | | |
| REG | Barium | 72.9 | MG/KG | = | | |
| REG | Cadmium | 0.49 | MG/KG | B J | F06 | |
| REG | Chromium | 11.8 | MG/KG | = | | |
| REG | Lead | 78 | MG/KG | = | | |
| REG | Manganese | 331 | MG/KG | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 1.1 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 109 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | HMX | 2000 | UG/KG | U U | | |
| REG | Nitrobenzene | 260 | UG/KG | U U | | |
| REG | RDX | 1000 | UG/KG | U U | | |
| REG | Tetryl | 650 | UG/KG | U U | | |

Location: Load Line 4
Station : LL4ss-003 Along north side of building and adjacent to wash

Northing: 8977.00
Easting: 143845.00
Elevation:

LL4ss-003-0233-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 8.0 | PPM | | |
| | | Organic Vapor | 0.7 | PPM | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Cyanide | 0.51 | MG/KG | B J | F06 | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 22700 | MG/KG | = | | |
| REG | Antimony | 0.31 | MG/KG | UN UJ | I02 | |
| REG | Arsenic | 8.6 | MG/KG | N J | I02 | |
| REG | Barium | 238 | MG/KG | * = | | |
| REG | Beryllium | 3.6 | MG/KG | = | | |
| REG | Cadmium | 0.27 | MG/KG | B J | F06 | |
| REG | Calcium | 1210 | MG/KG | = | | |
| REG | Chromium | 15.7 | MG/KG | = | | |
| REG | Cobalt | 3.9 | MG/KG | = | | |
| REG | Copper | 13.3 | MG/KG | = | | |
| REG | Iron | 21900 | MG/KG | = | | |
| REG | Lead | 22.1 | MG/KG | * = | | |
| REG | Magnesium | 14300 | MG/KG | = | | |
| REG | Manganese | 54.6 | MG/KG | N* J | I01 | |
| REG | Mercury | 0.03 | MG/KG | U U | | |
| REG | Nickel | 8.9 | MG/KG | = | | |
| REG | Potassium | 1810 | MG/KG | = | | |
| REG | Selenium | 2.3 | MG/KG | N J | I02 | |
| REG | Silver | 0.2 | MG/KG | U U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-003

Along north side of building and adjacent to wash

Northing: 8977.00
Easting: 143845.00
Elevation:

LL4ss-003-0233-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Sodium | 649 | MG/KG | = | | | |
| REG | Thallium | 13.3 | MG/KG | N | J | 102 | |
| REG | Vanadium | 11.2 | MG/KG | = | | | |
| REG | Zinc | 41.5 | MG/KG | * | = | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endrin | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Gamma Chlordane | 1.6 | UG/KG | | = | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | UJ | C08 | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 830 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 830 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 830 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 830 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 830 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-003 Along north side of building and adjacent to wash

Northing: 8977.00
 Easting: 143845.00
 Elevation:

LL4ss-003-0233-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 4-Nitroaniline | 830 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 830 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | |
| REG | Acenaphthene | 340 | UG/KG | U | U | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | |
| REG | Anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 40 | UG/KG | J | J | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 43 | UG/KG | J | J | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | |
| REG | Carbazole | 340 | UG/KG | U | U | |
| REG | Chrysene | 47 | UG/KG | J | J | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Fluoranthene | 62 | UG/KG | J | J | |
| REG | Fluorene | 340 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | |
| REG | Isophorone | 340 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | |
| REG | Naphthalene | 340 | UG/KG | U | U | |
| REG | Pentachlorophenol | 830 | UG/KG | U | U | |
| REG | Phenanthrene | 340 | UG/KG | U | U | |
| REG | Phenol | 340 | UG/KG | U | U | |
| REG | Pyrene | 46 | UG/KG | J | J | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 50 | UG/KG | | J | C02,C05,G02 |
| REG | Benzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02,K01 |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-003 Along north side of building and adjacent to wash

Northing: 8977.00
Easting: 143845.00
Elevation:

LL4ss-003-0233-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,G02,K01 | | |
| REG | Chloroform | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Methylene Chloride | 7 | UG/KG | B | U | F01,F07,G02 | | |
| REG | Styrene | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Toluene | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | G02,K01 | | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | G02,K01 | | |

Location: Load Line 4
Station : LL4ss-005 Along west side of building

Northing: 8942.00
Easting: 143883.00
Elevation:

LL4ss-005-0235-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|--------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |

Location: Load Line 4
Station : LL4ss-006 Along south side of building and adjacent to wash

Northing: 8861.00
Easting: 143710.00
Elevation:

LL4ss-006-0236-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Head Space | 0.0 | PPM | | | | |
|--------------------|-----------------------|---------------|-------|----------------|------|-----------------|--|--|
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 6780 | MG/KG | | J | F10 | | |
| REG | Arsenic | 10.1 | MG/KG | | = | | | |
| REG | Barium | 41.7 | MG/KG | | = | | | |
| REG | Cadmium | 0.21 | MG/KG | B | J | F06 | | |
| REG | Chromium | 10.5 | MG/KG | | = | | | |
| REG | Lead | 25.3 | MG/KG | | = | | | |
| REG | Manganese | 367 | MG/KG | | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 1.3 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 70.6 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-006 Along south side of building and adjacent to wash

Northing: 8861.00
 Easting: 143710.00
 Elevation:

LL4ss-006-0236-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|----------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 4.8 | PPM | | | |
| | | Organic Vapor | 4.5 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 4
 Station : LL4ss-007 Along south side of building and adjacent to wash

Northing: 8827.00
 Easting: 143758.00
 Elevation:

LL4ss-007-0237-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 4.8 | PPM | | | |
| | | Organic Vapor | 4.5 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 270 | UG/KG | | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 270 | UG/KG | JP | J | M08,F06 | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 4
 Station : LL4ss-008 Along south side of building and adjacent to wash

Northing: 8860.00
 Easting: 143838.00
 Elevation:

LL4ss-008-0238-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.2 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4ss-009

Location TBD as needed based on field observations

Northing: 8885.00
Easting: 143897.00
Elevation:

LL4ss-009-0239-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|--|-----------------|-----|-------|--|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
| REG | Cyanide | 0.2 | MG/KG | B | J | F06 |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 6780 | MG/KG | = | | |
| REG | Antimony | 0.35 | MG/KG | UN | UJ | I02 |
| REG | Arsenic | 10.6 | MG/KG | N | J | I02 |
| REG | Barium | 58.1 | MG/KG | * | = | |
| REG | Beryllium | 0.46 | MG/KG | = | | |
| REG | Cadmium | 0.66 | MG/KG | = | | |
| REG | Calcium | 8100 | MG/KG | = | | |
| REG | Chromium | 13.3 | MG/KG | = | | |
| REG | Cobalt | 7.7 | MG/KG | = | | |
| REG | Copper | 21.5 | MG/KG | = | | |
| REG | Iron | 18200 | MG/KG | = | | |
| REG | Lead | 64.3 | MG/KG | * | = | |
| REG | Magnesium | 2950 | MG/KG | = | | |
| REG | Manganese | 358 | MG/KG | N* | J | I02 |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Nickel | 17.7 | MG/KG | = | | |
| REG | Potassium | 803 | MG/KG | = | | |
| REG | Selenium | 1.2 | MG/KG | N | J | I02 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Sodium | 191 | MG/KG | B | J | F06 |
| REG | Thallium | 1.5 | MG/KG | N | J | I02 |
| REG | Vanadium | 12.4 | MG/KG | = | | |
| REG | Zinc | 120 | MG/KG | * | = | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 2.9 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 18 | UG/KG | P | J | M08,G01 |
| REG | 4,4'-DDT | 68 | UG/KG | PE | J | C08,M08,M07 |
| REG | Aldrin | 17 | UG/KG | D | = | |
| REG | Alpha Chlordane | 34 | UG/KG | PE | J | M08,M07,G01 |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | |
| REG | Aroclor-1016 | 38 | UG/KG | U | U | |
| REG | Aroclor-1221 | 38 | UG/KG | U | U | |
| REG | Aroclor-1232 | 38 | UG/KG | U | U | |
| REG | Aroclor-1242 | 38 | UG/KG | U | U | |
| REG | Aroclor-1248 | 38 | UG/KG | U | U | |
| REG | Aroclor-1254 | 460 | UG/KG | DJ | J | M08 |
| REG | Aroclor-1260 | 78 | UG/KG | U | U | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | |
| REG | Dieldrin | 2.9 | UG/KG | U | U | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | |
| REG | Endosulfan II | 37 | UG/KG | P | J | C08,M08,G01 |
| REG | Endosulfan Sulfate | 2.9 | UG/KG | U | UJ | C08 |
| REG | Endrin | 2.9 | UG/KG | U | UJ | C08 |
| REG | Endrin Aldehyde | 2.9 | UG/KG | U | UJ | C08 |
| REG | Endrin Ketone | 2.9 | UG/KG | U | UJ | C08 |
| REG | Gamma Chlordane | 19 | UG/KG | P | J | M08,G01 |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | |
| REG | Heptachlor | 1.5 | UG/KG | U | UJ | C08 |
| REG | Heptachlor Epoxide | 1.5 | UG/KG | U | U | |
| REG | Methoxychlor | 15 | UG/KG | U | UJ | C08 |
| REG | Toxaphene | 96 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 770 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 770 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 770 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 770 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 770 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 1900 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 770 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 770 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 770 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 1900 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 770 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 770 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 770 | UG/KG | U | U | |
| REG | 2-Methylphenol | 770 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 1900 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 770 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 1900 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1900 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 770 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 770 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 770 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 770 | UG/KG | U | U | |
| REG | 4-Methylphenol | 770 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 1900 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 1900 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 770 | UG/KG | U | U | |
| REG | Acenaphthene | 770 | UG/KG | U | U | |
| REG | Acenaphthylene | 560 | UG/KG | J | J | |
| REG | Anthracene | 1200 | UG/KG | = | = | |
| REG | Benzo(a)anthracene | 1600 | UG/KG | = | = | |
| REG | Benzo(a)pyrene | 2700 | UG/KG | = | = | |
| REG | Benzo(b)fluoranthene | 7200 | UG/KG | = | = | |
| REG | Benzo(g,h,i)perylene | 3800 | UG/KG | = | = | |
| REG | Benzo(k)fluoranthene | 5000 | UG/KG | = | = | |
| REG | Bis(2-chloroethoxy)methane | 770 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 770 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 80 | UG/KG | J | J | |
| REG | Butyl Benzyl Phthalate | 770 | UG/KG | U | U | |
| REG | Carbazole | 1400 | UG/KG | = | = | |
| REG | Chrysene | 6400 | UG/KG | = | = | |
| REG | Di-n-butyl Phthalate | 770 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 770 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 1200 | UG/KG | = | = | |
| REG | Dibenzofuran | 770 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 770 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 770 | UG/KG | U | U | |
| REG | Fluoranthene | 8100 | UG/KG | = | = | |
| REG | Fluorene | 120 | UG/KG | J | J | |
| REG | Hexachlorobenzene | 770 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 770 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 770 | UG/KG | U | U | |
| REG | Hexachloroethane | 770 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 3700 | UG/KG | = | = | |
| REG | Isophorone | 770 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 770 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 770 | UG/KG | U | U | |
| REG | Naphthalene | 770 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1900 | UG/KG | U | U | |
| REG | Phenanthrene | 2300 | UG/KG | = | = | |
| REG | Phenol | 770 | UG/KG | U | U | |
| REG | Pyrene | 5400 | UG/KG | = | = | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|---------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-009 Location TBD as needed based on field observations

Northing: 8885.00
 Easting: 143897.00
 Elevation:

LL4ss-009-0239-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Organic Vapor | 0.0 | PPM | | | |
|--------------------|---------------------------|---------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Butanone | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Hexanone | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Acetone | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Benzene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromodichloromethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromoform | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromomethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Disulfide | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Chlorobenzene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02,G02,K01 | |
| REG | Chloroform | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloromethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Dibromochloromethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Ethylbenzene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Methylene Chloride | 8 | UG/KG | B | UJ | F01,F07,G02 | |
| REG | Styrene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Tetrachloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Toluene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Trichloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Vinyl Chloride | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Xylenes, Total | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | o-Xylene | 6 | UG/KG | U | UJ | G02,K01 | |

Location: Load Line 4
 Station : LL4ss-010 South of G-13 in front of vacuum house behind barr

Northing: 8490.00
 Easting: 142970.00
 Elevation:

LL4ss-010-0240-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Organic Vapor | 0.0 | PPM | | | |
|--------------------|-----------------------|---------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7370 | MG/KG | = | | | |
| REG | Arsenic | 9.3 | MG/KG | = | | | |
| REG | Barium | 49.8 | MG/KG | = | | | |
| REG | Cadmium | 0.16 | MG/KG | BN* | J | I02,J04 | |
| REG | Chromium | 10.5 | MG/KG | = | | | |
| REG | Lead | 13 | MG/KG | * | = | | |
| REG | Manganese | 269 | MG/KG | N* | J | I02 | |
| REG | Mercury | 0.04 | MG/KG | = | | | |
| REG | Selenium | 0.49 | MG/KG | BN | J | I01 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 64.6 | MG/KG | E* | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-010 South of G-13 in front of vacuum house behind barr

Northing: 8490.00
 Easting: 142970.00
 Elevation:

LL4ss-010-0240-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 8.8 | PPM | | | |
| | | Organic Vapor | 8.2 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 | |

Location: Load Line 4
 Station : LL4ss-011 Along effluent pipe from G8 to concrete settling t

Northing: 8799.00
 Easting: 143660.00
 Elevation:

LL4ss-011-0241-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 8.8 | PPM | | | |
| | | Organic Vapor | 8.2 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8310 | MG/KG | = | | | |
| REG | Arsenic | 9 | MG/KG | * | J | J04 | |
| REG | Barium | 44.8 | MG/KG | = | | | |
| REG | Cadmium | 0.09 | MG/KG | B | J | F06 | |
| REG | Chromium | 9.9 | MG/KG | N | J | I01 | |
| REG | Lead | 15 | MG/KG | * | J | I01 | |
| REG | Manganese | 232 | MG/KG | * | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 0.68 | MG/KG | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 58.9 | MG/KG | N* | J | I01 | |

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

Location: Load Line 4
 Station : LL4ss-012 Along effluent pipe from G8 to concrete settling t

Northing: 8615.00
 Easting: 143607.00
 Elevation:

LL4ss-012-0242-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 160 | PPM | | | |
| | | Organic Vapor | 5.2 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 6810 | MG/KG | = | | | |
| REG | Arsenic | 8 | MG/KG | * | J | J04 | |
| REG | Barium | 36.6 | MG/KG | = | | | |
| REG | Cadmium | 0.26 | MG/KG | B | J | F06 | |
| REG | Chromium | 9.2 | MG/KG | N | J | I01 | |
| REG | Lead | 14.1 | MG/KG | * | J | I01 | |
| REG | Manganese | 249 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4ss-012

Along effluent pipe from G8 to concrete settling t

Northing: 8615.00
Easting: 143607.00
Elevation:

LL4ss-012-0242-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 4.4 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Selenium | 0.69 | MG/KG | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 62.5 | MG/KG | N* | J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 4
Station: LL4ss-014

Main tanks at settling tank inlet & outfall & adja

Northing: 8609.00
Easting: 143659.00
Elevation:

LL4ss-014-0244-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 4.4 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 15400 | MG/KG | = | | | |
| REG | Arsenic | 4.8 | MG/KG | = | | | |
| REG | Barium | 172 | MG/KG | = | | | |
| REG | Cadmium | 0.13 | MG/KG | B | J | | |
| REG | Chromium | 8 | MG/KG | = | | | |
| REG | Lead | 8.9 | MG/KG | = | | | |
| REG | Manganese | 2830 | MG/KG | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 0.51 | MG/KG | = | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 25.4 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | R | P02,P08 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-015

Main tanks at settling tank inlet & outfall & adja

Northing: 8638.00
Easting: 143665.00
Elevation:

LL4ss-015-0245-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 75.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Cyanide | 0.1 | MG/KG | U | U | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 5460 | MG/KG | | = | |
| REG | Antimony | 0.31 | MG/KG | U | U | |
| REG | Arsenic | 10.8 | MG/KG | | = | |
| REG | Barium | 39.5 | MG/KG | | = | |
| REG | Beryllium | 0.39 | MG/KG | | = | |
| REG | Cadmium | 0.15 | MG/KG | B | J | |
| REG | Calcium | 2620 | MG/KG | | = | |
| REG | Chromium | 6.8 | MG/KG | | = | |
| REG | Cobalt | 5.6 | MG/KG | | = | |
| REG | Copper | 15.1 | MG/KG | | = | |
| REG | Iron | 15000 | MG/KG | | = | |
| REG | Lead | 14.5 | MG/KG | | = | |
| REG | Magnesium | 1330 | MG/KG | | = | |
| REG | Manganese | 381 | MG/KG | | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Nickel | 10 | MG/KG | | = | |
| REG | Potassium | 379 | MG/KG | B | J | |
| REG | Selenium | 0.34 | MG/KG | B | J | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Sodium | 128 | MG/KG | B | J | |
| REG | Thallium | 1.1 | MG/KG | | = | |
| REG | Vanadium | 9.9 | MG/KG | | = | |
| REG | Zinc | 47.6 | MG/KG | | = | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | UJ | A01 |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | A01 |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | UJ | A01,P01 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | A01 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | UJ | A01 |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | UJ | A01 |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | UJ | A01 |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | UJ | A01 |
| REG | HMX | 2000 | UG/KG | U | UJ | A01 |
| REG | Nitrobenzene | 260 | UG/KG | U | UJ | A01 |
| REG | RDX | 1000 | UG/KG | U | UJ | A01 |
| REG | Tetryl | 650 | UG/KG | U | UJ | A01 |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | |
| REG | Aldrin | 1.3 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4ss-015

Main tanks at settling tank inlet & outfall & adja

Northing: 8638.00
Easting: 143665.00
Elevation:

LL4ss-015-0245-SO 0.0 - 0.7 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 07/24/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 13.4 | PPM | | | |
| | | Organic Vapor | 4.5 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 7.5 | UG/KG | P | J | M08 | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Carbazole | 340 | UG/KG | U | U | | |
| REG | Chrysene | 340 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-015 Main tanks at settling tank inlet & outfall & adja

Northing: 8638.00
Easting: 143665.00
Elevation:

LL4ss-015-0245-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 13.4 | PPM | | |
| | | Organic Vapor | 4.5 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Fluoranthene | 47 | UG/KG | J | J | |
| REG | Fluorene | 340 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | |
| REG | Isophorone | 340 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | |
| REG | Naphthalene | 340 | UG/KG | U | U | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | |
| REG | Phenanthrene | 340 | UG/KG | U | U | |
| REG | Phenol | 340 | UG/KG | U | U | |
| REG | Pyrene | 35 | UG/KG | J | J | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02, K01 |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 24 | UG/KG | B | UJ | F01,F07,K01 |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Toluene | 5 | UG/KG | U | UJ | K01 |
| REG | Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 |

Location: Load Line 4
Station : LL4ss-015 Main tanks at settling tank inlet & outfall & adja

Northing: 8666.00
Easting: 143678.00
Elevation:

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

LL4ss-016-0246-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| | | | |
|--------------------|-----------------|-----|-------|
| Field Measurements | Air Temperature | 85 | DEG F |
| | Head Space | 6.8 | PPM |
| | Organic Vapor | 4.5 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 5300 | MG/KG | = | | |
| REG | Arsenic | 9 | MG/KG | = | | |
| REG | Barium | 41.2 | MG/KG | = | | |
| REG | Cadmium | 0.15 | MG/KG | B | J | |
| REG | Chromium | 7.2 | MG/KG | = | | |
| REG | Lead | 15.3 | MG/KG | = | | |
| REG | Manganese | 309 | MG/KG | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 0.33 | MG/KG | B | J | |
| REG | Silver | 0.19 | MG/KG | U | = | |
| REG | Zinc | 47.9 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | UJ | A01 |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | A01 |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | UJ | A01,P01 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | A01 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | UJ | A01 |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | UJ | A01 |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | UJ | A01 |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | UJ | A01 |
| REG | HMX | 2000 | UG/KG | U | UJ | A01 |
| REG | Nitrobenzene | 260 | UG/KG | U | UJ | A01 |
| REG | RDX | 1000 | UG/KG | U | UJ | A01 |
| REG | Tetryl | 650 | UG/KG | U | UJ | A01 |

Location: Load Line 4 Station: LL4ss-017 Main tanks at settling tank inlet & outfall & adja
 Northing: 8647.00 Easting: 143718.00 Elevation:

LL4ss-017-0247-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| | | | |
|--------------------|-----------------|-----|-------|
| Field Measurements | Air Temperature | 85 | DEG F |
| | Head Space | 6.8 | PPM |
| | Organic Vapor | 4.5 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 6230 | MG/KG | = | | |
| REG | Arsenic | 8.5 | MG/KG | = | | |
| REG | Barium | 53.8 | MG/KG | = | | |
| REG | Cadmium | 0.34 | MG/KG | B | J | |
| REG | Chromium | 6.4 | MG/KG | = | | |
| REG | Lead | 14.2 | MG/KG | = | | |
| REG | Manganese | 673 | MG/KG | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 0.5 | MG/KG | B | J | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Zinc | 173 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-018 Main tanks at settling tank inlet & outfall & adja

Northing: 8617.00
 Easting: 143707.00
 Elevation:

LL4ss-018-0248-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 4650 | MG/KG | = | | | | |
| REG | Arsenic | 7.6 | MG/KG | = | | | | |
| REG | Barium | 40.1 | MG/KG | = | | | | |
| REG | Cadmium | 0.4 | MG/KG | B | J | | | |
| REG | Chromium | 6 | MG/KG | = | | | | |
| REG | Lead | 13.7 | MG/KG | = | | | | |
| REG | Manganese | 574 | MG/KG | = | | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.31 | MG/KG | U | U | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 84.9 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | R | P02, P08 | | |

Location: Load Line 4
 Station : LL4ss-019 Main tanks at settling tank inlet & outfall & adja

Northing: 8592.00
 Easting: 143696.00
 Elevation:

LL4ss-019-0249-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 6110 | MG/KG | = | | | | |
| REG | Arsenic | 6.5 | MG/KG | = | | | | |
| REG | Barium | 49.7 | MG/KG | = | | | | |
| REG | Cadmium | 0.19 | MG/KG | B | J | | | |
| REG | Chromium | 7.8 | MG/KG | = | | | | |
| REG | Lead | 13.3 | MG/KG | = | | | | |
| REG | Manganese | 373 | MG/KG | = | | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.61 | MG/KG | = | | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 82.5 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-019 Main tanks at settling tank inlet & outfall & adja
 Northing: 8592.00
 Easting: 143696.00
 Elevation:

LL4ss-019-0249-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|--------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Nitrobenzene | 260 | UG/KG | U U | | |
| REG | RDX | 1000 | UG/KG | U U | | |
| REG | Tetryl | 650 | UG/KG | U R | P02, P04 | |

Location: Load Line 4
 Station: LL4ss-020 Small tanks along effluent pipe from settling tank
 Northing: 8568.00
 Easting: 143667.00
 Elevation:

LL4ss-020-0250-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/24/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 5810 | MG/KG | = | | |
| REG | Arsenic | 5.7 | MG/KG | = | | |
| REG | Barium | 61.5 | MG/KG | = | | |
| REG | Cadmium | 0.16 | MG/KG | B J | | |
| REG | Chromium | 5.2 | MG/KG | = | | |
| REG | Lead | 10.3 | MG/KG | = | | |
| REG | Manganese | 781 | MG/KG | = | | |
| REG | Mercury | 0.03 | MG/KG | U U | | |
| REG | Selenium | 0.6 | MG/KG | = | | |
| REG | Silver | 0.19 | MG/KG | U U | | |
| REG | Zinc | 45.8 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab Data | Validation Code | |
|-------------|-----------------------|--------|-------|---------------------|-----------------|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U UJ | C08 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U U | | |
| REG | HMX | 2000 | UG/KG | U U | | |
| REG | Nitrobenzene | 260 | UG/KG | U U | | |
| REG | RDX | 1000 | UG/KG | U U | | |
| REG | Tetryl | 650 | UG/KG | U R | P02, P08 | |

Location: Load Line 4
 Station: LL4ss-022 Building drain exit
 Northing: 9237.00
 Easting: 144755.00
 Elevation:

LL4ss-022-0252-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 95 | DEG F | | |
|--------------------|---------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Cyanide | 0.11 | MG/KG | B J | F06 | |

| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
|-------------|----------|--------|-------|---------------------|-----------------|--|
| REG | Aluminum | 4210 | MG/KG | = | | |
| REG | Antimony | 0.32 | MG/KG | UN UJ | I02 | |
| REG | Arsenic | 13.2 | MG/KG | N J | I02 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-022 Building drain exit

Northing: 9237.00
 Easting: 144755.00
 Elevation:

LL4ss-022-0252-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Barium | 24.5 | MG/KG | * | = | | | |
| REG | Beryllium | 0.25 | MG/KG | | = | | | |
| REG | Cadmium | 0.16 | MG/KG | B | J | F02 | | |
| REG | Calcium | 5170 | MG/KG | | = | | | |
| REG | Chromium | 6.2 | MG/KG | | = | | | |
| REG | Cobalt | 4.7 | MG/KG | | = | | | |
| REG | Copper | 19.1 | MG/KG | | = | | | |
| REG | Iron | 14700 | MG/KG | | = | | | |
| REG | Lead | 14.8 | MG/KG | * | = | | | |
| REG | Magnesium | 2230 | MG/KG | | = | | | |
| REG | Manganese | 256 | MG/KG | N* | J | I02 | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Nickel | 11.8 | MG/KG | | = | | | |
| REG | Potassium | 643 | MG/KG | | = | | | |
| REG | Selenium | 0.64 | MG/KG | N | J | I02 | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 159 | MG/KG | B | J | F06 | | |
| REG | Thallium | 1.2 | MG/KG | N | J | I02 | | |
| REG | Vanadium | 8.9 | MG/KG | | = | | | |
| REG | Zinc | 65.1 | MG/KG | * | = | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 71 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 71 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | Endrin | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.4 | UG/KG | U | UJ | C08 | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | | |
| REG | Toxaphene | 88 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 850 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-022 Building drain exit

Northing: 9237.00
 Easting: 144755.00
 Elevation:

LL4ss-022-0252-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 850 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 850 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 850 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 850 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 850 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 850 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | | |
| REG | Anthracene | 350 | UG/KG | U | U | | | |
| REG | Benzo(a)anthracene | 350 | UG/KG | U | U | | | |
| REG | Benzo(a)pyrene | 350 | UG/KG | U | U | | | |
| REG | Benzo(b)fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | U | U | | | |
| REG | Benzo(k)fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 61 | UG/KG | J | J | | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Carbazole | 350 | UG/KG | U | U | | | |
| REG | Chrysene | 350 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | | |
| REG | Fluoranthene | 350 | UG/KG | U | U | | | |
| REG | Fluorene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | U | | | |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | | |
| REG | Isophorone | 350 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 850 | UG/KG | U | U | | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | | |
| REG | Phenol | 350 | UG/KG | U | U | | | |
| REG | Pyrene | 350 | UG/KG | U | U | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-022 Building drain exit

Northing: 9237.00
Easting: 144755.00
Elevation:

LL4ss-022-0252-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05 | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05 | | |
| REG | Benzene | 5 | UG/KG | U | U | | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | | |
| REG | Bromoform | 5 | UG/KG | U | U | | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | C05 | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | | |
| REG | Chloroform | 5 | UG/KG | U | U | | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | | |
| REG | Methylene Chloride | 24 | UG/KG | B | U | F01,F07 | | |
| REG | Styrene | 5 | UG/KG | U | U | | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | | |
| REG | Toluene | 5 | UG/KG | U | U | | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | | |

Location: Load Line 4
Station : LL4ss-023 Building drain exit

Northing: 8966.00
Easting: 143953.00
Elevation:

LL4ss-023-0253-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.21 | MG/KG | B | J | F06 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 11000 | MG/KG | = | | | | |
| REG | Antimony | 0.41 | MG/KG | BN | UJ | I02 | | |
| REG | Arsenic | 16.6 | MG/KG | N | J | I02 | | |
| REG | Barium | 82.8 | MG/KG | * | = | | | |
| REG | Beryllium | 0.73 | MG/KG | = | | | | |
| REG | Cadmium | 4.4 | MG/KG | = | | | | |
| REG | Calcium | 5300 | MG/KG | = | | | | |
| REG | Chromium | 18.1 | MG/KG | = | | | | |
| REG | Cobalt | 10.4 | MG/KG | = | | | | |
| REG | Copper | 106 | MG/KG | = | | | | |
| REG | Iron | 28700 | MG/KG | = | | | | |
| REG | Lead | 220 | MG/KG | * | = | | | |
| REG | Magnesium | 4640 | MG/KG | = | | | | |
| REG | Manganese | 330 | MG/KG | N* | J | I02 | | |
| REG | Mercury | 0.05 | MG/KG | = | | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-023 Building drain exit

Northing: 8966.00
 Easting: 143953.00
 Elevation:

LL4ss-023-0253-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

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

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Nickel | 32.1 | MG/KG | = | | |
| REG | Potassium | 1800 | MG/KG | = | | |
| REG | Selenium | 1.2 | MG/KG | N | J | I02 |
| REG | Silver | 0.2 | MG/KG | U | = | |
| REG | Sodium | 186 | MG/KG | B | J | F06 |
| REG | Thallium | 1.9 | MG/KG | N | J | I02 |
| REG | Vanadium | 18.5 | MG/KG | = | | |
| REG | Zinc | 292 | MG/KG | * | = | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 2.7 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 2.7 | UG/KG | U | U | |
| REG | 4,4'-DDT | 230 | UG/KG | D | = | |
| REG | Aldrin | 43 | UG/KG | PE | J | M08,M07,G01 |
| REG | Alpha Chlordane | 25 | UG/KG | D | J | M08 |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 35 | UG/KG | U | U | |
| REG | Aroclor-1221 | 35 | UG/KG | U | U | |
| REG | Aroclor-1232 | 35 | UG/KG | U | U | |
| REG | Aroclor-1242 | 35 | UG/KG | U | U | |
| REG | Aroclor-1248 | 35 | UG/KG | U | U | |
| REG | Aroclor-1254 | 3200 | UG/KG | = | | |
| REG | Aroclor-1260 | 4500 | UG/KG | = | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |
| REG | Dieldrin | 2.7 | UG/KG | U | U | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.7 | UG/KG | U | UJ | C08 |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | UJ | C08 |
| REG | Endrin | 2.7 | UG/KG | U | UJ | C08 |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | UJ | C08 |
| REG | Endrin Ketone | 2.7 | UG/KG | U | UJ | C08 |
| REG | Gamma Chlordane | 11 | UG/KG | P | J | M08,G01 |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | UJ | C08 |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 |
| REG | Toxaphene | 89 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-------------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,2,4-Trichlorobenzene | 350 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 350 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 350 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 350 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 350 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 860 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 350 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 350 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 350 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 860 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 350 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 350 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 350 | UG/KG | U | U | |
| REG | 2-Methylphenol | 350 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 860 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 350 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 860 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 860 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 350 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-023 Building drain exit

Northing: 8966.00
 Easting: 143953.00
 Elevation:

LL4ss-023-0253-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 32 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4-Bromophenyl-phenyl Ether | 350 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 350 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 350 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 350 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 860 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 860 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 350 | UG/KG | U | U | | |
| REG | Acenaphthene | 350 | UG/KG | U | U | | |
| REG | Acenaphthylene | 350 | UG/KG | U | U | | |
| REG | Anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 350 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 40 | UG/KG | J | J | | |
| REG | Benzo(b)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 350 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 350 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 83 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Carbazole | 350 | UG/KG | U | U | | |
| REG | Chrysene | 38 | UG/KG | J | J | | |
| REG | Di-n-butyl Phthalate | 920 | UG/KG | | = | | |
| REG | Di-n-octyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 350 | UG/KG | U | U | | |
| REG | Dibenzofuran | 350 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 350 | UG/KG | U | U | | |
| REG | Fluoranthene | 38 | UG/KG | J | J | | |
| REG | Fluorene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 350 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 350 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 350 | UG/KG | U | U | | |
| REG | Hexachloroethane | 350 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 350 | UG/KG | U | U | | |
| REG | Isophorone | 350 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 350 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 350 | UG/KG | U | U | | |
| REG | Naphthalene | 350 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 860 | UG/KG | U | U | | |
| REG | Phenanthrene | 350 | UG/KG | U | U | | |
| REG | Phenol | 350 | UG/KG | U | U | | |
| REG | Pyrene | 350 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 | |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-023 Building drain exit

Northing: 8966.00
Easting: 143953.00
Elevation:

LL4ss-023-0253-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 32 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 | | |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Methylene Chloride | 9 | UG/KG | B | UJ | F01,F07,K01 | | |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Toluene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 | | |

Location: Load Line 4
Station : LL4ss-026 Along sides of building at washout facilities and

Northing: 8588.00
Easting: 143522.00
Elevation:

LL4ss-026-0257-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 32 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 10700 | MG/KG | * | = | | | |
| REG | Arsenic | 7.4 | MG/KG | * | = | | | |
| REG | Barium | 90.1 | MG/KG | * | = | | | |
| REG | Cadmium | 0.19 | MG/KG | B* | J | F06 | | |
| REG | Chromium | 9.9 | MG/KG | * | = | | | |
| REG | Lead | 14.5 | MG/KG | * | = | | | |
| REG | Manganese | 648 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U* | U | | | |
| REG | Selenium | 0.32 | MG/KG | U | U | | | |
| REG | Silver | 0.2 | MG/KG | U* | U | | | |
| REG | Zinc | 51.2 | MG/KG | * | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-027 Along sides of building at washout facilities and

Northing: 8576.00
 Easting: 143439.00
 Elevation:

LL4ss-027-0258-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8950 | MG/KG | = | | | |
| REG | Arsenic | 10 | MG/KG | * | J | J04 | |
| REG | Barium | 88.2 | MG/KG | = | | | |
| REG | Cadmium | 3.6 | MG/KG | = | | | |
| REG | Chromium | 17.6 | MG/KG | N | J | I01 | |
| REG | Lead | 78.9 | MG/KG | * | J | I01 | |
| REG | Manganese | 596 | MG/KG | * | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 0.95 | MG/KG | = | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 236 | MG/KG | N* | J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 280 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 4
 Station : LL4ss-028 Along sides of building at washout facilities and

Northing: 8484.00
 Easting: 143478.00
 Elevation:

LL4ss-028-0259-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.3 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10800 | MG/KG | = | | | |
| REG | Arsenic | 8.9 | MG/KG | = | | | |
| REG | Barium | 79.9 | MG/KG | = | | | |
| REG | Cadmium | 0.75 | MG/KG | = | | | |
| REG | Chromium | 13 | MG/KG | = | | | |
| REG | Lead | 60.6 | MG/KG | = | | | |
| REG | Manganese | 1140 | MG/KG | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 0.68 | MG/KG | = | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 81.5 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 550 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4ss-028

Along sides of building at washout facilities and

Northing: 8484.00
Easting: 143478.00
Elevation:

LL4ss-028-0259-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/23/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | R | P08, P02 | | |

Location: Load Line 4
Station: LL4ss-029

Along sides of building at washout facilities and

Northing: 8526.00
Easting: 143373.00
Elevation:

LL4ss-029-0260-SO 0.0 - 0.9 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 6270 | MG/KG | * | = | | | |
| REG | Arsenic | 8.6 | MG/KG | | = | | | |
| REG | Barium | 36.6 | MG/KG | * | = | | | |
| REG | Cadmium | 0.2 | MG/KG | B* | J | F06 | | |
| REG | Chromium | 9.6 | MG/KG | * | = | | | |
| REG | Lead | 16.4 | MG/KG | * | = | | | |
| REG | Manganese | 265 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | | |
| REG | Selenium | 0.32 | MG/KG | B | J | F06 | | |
| REG | Silver | 0.2 | MG/KG | U* | U | | | |
| REG | Zinc | 50.8 | MG/KG | * | = | | | |

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

Location: Load Line 4
Station: LL4ss-030

Along sides of building at washout facilities and

Northing: 8744.00
Easting: 143753.00
Elevation:

LL4ss-030-0261-SO 0.0 - 0.4 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 5420 | MG/KG | | = | | | |
| REG | Arsenic | 8.1 | MG/KG | | = | | | |
| REG | Barium | 53.2 | MG/KG | | = | | | |
| REG | Cadmium | 0.2 | MG/KG | BN* | J | I02,J04 | | |
| REG | Chromium | 7.4 | MG/KG | | = | | | |
| REG | Lead | 22 | MG/KG | * | = | | | |
| REG | Manganese | 297 | MG/KG | N* | J | I02 | | |
| REG | Mercury | 0.04 | MG/KG | | = | | | |
| REG | Selenium | 0.45 | MG/KG | BN | J | I01 | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4ss-030

Along sides of building at washout facilities and

Northing: 8744.00
Easting: 143753.00
Elevation:

LL4ss-030-0261-SO 0.0 - 0.4 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 460 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Zinc | 67.8 | MG/KG | E* | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 | |

Location: Load Line 4
Station: LL4ss-031

Along sides of building at washout facilities and

Northing: 8973.00
Easting: 143271.00
Elevation:

LL4ss-031-0262-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 460 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9280 | MG/KG | = | | | |
| REG | Arsenic | 11.7 | MG/KG | = | | | |
| REG | Barium | 116 | MG/KG | = | | | |
| REG | Cadmium | 2.1 | MG/KG | = | | | |
| REG | Chromium | 15.5 | MG/KG | = | | | |
| REG | Lead | 69.2 | MG/KG | = | | | |
| REG | Manganese | 436 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.71 | MG/KG | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 212 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 1800 | UG/KG | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-032 Along sides of building at washout facilities and

Northing: 8876.00
 Easting: 143317.00
 Elevation:

LL4ss-032-0263-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 2.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 9100 | MG/KG | = | | | | |
| REG | Arsenic | 6.2 | MG/KG | = | | | | |
| REG | Barium | 102 | MG/KG | = | | | | |
| REG | Cadmium | 5.2 | MG/KG | = | | | | |
| REG | Chromium | 30.1 | MG/KG | = | | | | |
| REG | Lead | 384 | MG/KG | = | | | | |
| REG | Manganese | 567 | MG/KG | = | | | | |
| REG | Mercury | 0.16 | MG/KG | = | | | | |
| REG | Selenium | 3.2 | MG/KG | = | | | | |
| REG | Silver | 0.71 | MG/KG | U | U | | | |
| REG | Zinc | 1850 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 2200 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

LL4ss-033-0264-FD 0.0 - 0.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.4 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 4790 | MG/KG | = | | | | |
| REG | Arsenic | 8.1 | MG/KG | = | | | | |
| REG | Barium | 36.5 | MG/KG | = | | | | |
| REG | Cadmium | 0.48 | MG/KG | B | J | | | |
| REG | Chromium | 7.2 | MG/KG | = | | | | |
| REG | Lead | 43.9 | MG/KG | = | | | | |
| REG | Manganese | 421 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.55 | MG/KG | = | | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 86.5 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 320 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-033 Along sides of building at washout facilities and

Northing: 8933.00
 Easting: 143381.00
 Elevation:

LL4ss-033-0266-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 2.2 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8190 | MG/KG | = | | | | |
| REG | Arsenic | 7.5 | MG/KG | = | | | | |
| REG | Barium | 62.4 | MG/KG | = | | | | |
| REG | Cadmium | 0.57 | MG/KG | = | | | | |
| REG | Chromium | 9.2 | MG/KG | = | | | | |
| REG | Lead | 47.6 | MG/KG | = | | | | |
| REG | Manganese | 902 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.55 | MG/KG | = | | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 96 | MG/KG | = | | | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 610 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | C08 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 4
 Station: LL4ss-034 Ammunition cooling bldgs. at vacuum pump house exh

Northing: 8691.00
 Easting: 143369.00
 Elevation:

LL4ss-034-0267-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-----------|--------|-------|----------------|------|-----------------|--|--|
| REG | Cyanide | 0.34 | MG/KG | BN | J | I02 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8060 | MG/KG | * | J | F10 | | |
| REG | Antimony | 0.37 | MG/KG | UN* | J | I02 | | |
| REG | Arsenic | 4.2 | MG/KG | = | | | | |
| REG | Barium | 68.5 | MG/KG | N* | J | I02 | | |
| REG | Beryllium | 0.54 | MG/KG | * | = | | | |
| REG | Cadmium | 0.52 | MG/KG | B* | = | | | |
| REG | Calcium | 2400 | MG/KG | N* | J | I02 | | |
| REG | Chromium | 9.4 | MG/KG | * | = | | | |
| REG | Cobalt | 4.9 | MG/KG | * | = | | | |
| REG | Copper | 14.3 | MG/KG | N* | J | I02 | | |
| REG | Iron | 8820 | MG/KG | * | = | | | |
| REG | Lead | 25.6 | MG/KG | = | | | | |
| REG | Magnesium | 864 | MG/KG | N* | J | I02 | | |
| REG | Manganese | 293 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | = | | | |
| REG | Nickel | 7.8 | MG/KG | * | = | | | |
| REG | Potassium | 513 | MG/KG | BN | J | I02 | | |
| REG | Selenium | 0.76 | MG/KG | = | | | | |
| REG | Silver | 0.24 | MG/KG | U* | = | | | |
| REG | Sodium | 194 | MG/KG | BN | J | I02 | | |
| REG | Thallium | 1.2 | MG/KG | * | = | | | |
| REG | Vanadium | 10.3 | MG/KG | * | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-034 Ammunition cooling bldgs. at vacuum pump house exh

Northing: 8691.00
 Easting: 143369.00
 Elevation:

LL4ss-034-0267-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 1.2 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Zinc | 81.3 | MG/KG | N | J | 102 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 3.1 | UG/KG | U | J | C08 | |
| REG | 4,4'-DDE | 3.1 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 8.7 | UG/KG | P | J | C08,M08,G01 | |
| REG | Aldrin | 1.6 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.6 | UG/KG | U | UJ | C08,G01 | |
| REG | Alpha-BHC | 1.6 | UG/KG | U | UJ | C08 | |
| REG | Aroclor-1016 | 41 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 41 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 41 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 41 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 41 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 84 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 84 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.6 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.6 | UG/KG | U | U | | |
| REG | Dieldrin | 3.1 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.6 | UG/KG | U | U | | |
| REG | Endosulfan II | 3.1 | UG/KG | U | UJ | C08 | |
| REG | Endosulfan Sulfate | 3.1 | UG/KG | U | UJ | C08 | |
| REG | Endrin | 3.1 | UG/KG | U | UJ | C08 | |
| REG | Endrin Aldehyde | 4.5 | UG/KG | P | J | C08,M08,G01 | |
| REG | Endrin Ketone | 3.1 | UG/KG | U | UJ | C08 | |
| REG | Gamma Chlordane | 1.6 | UG/KG | U | UJ | C08 | |
| REG | Gamma-BHC (Lindane) | 1.6 | UG/KG | U | U | | |
| REG | Heptachlor | 1.6 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.6 | UG/KG | U | UJ | C08 | |
| REG | Methoxychlor | 16 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 100 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 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 | 1000 | 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 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-034 Ammunition cooling bldgs. at vacuum pump house exh

Northing: 8691.00
 Easting: 143369.00
 Elevation:

LL4ss-034-0267-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 1.2 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| 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 | 1000 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1000 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 410 | 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 | 67 | UG/KG | J | U | |
| REG | Acenaphthylene | 410 | UG/KG | U | J | |
| REG | Anthracene | 190 | UG/KG | J | J | |
| REG | Benzo(a)anthracene | 450 | UG/KG | | = | |
| REG | Benzo(a)pyrene | 450 | UG/KG | | = | |
| REG | Benzo(b)fluoranthene | 440 | UG/KG | | = | |
| REG | Benzo(g,h,i)perylene | 240 | UG/KG | J | J | |
| REG | Benzo(k)fluoranthene | 330 | UG/KG | J | J | |
| 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 | 130 | UG/KG | J | J | |
| REG | Chrysene | 480 | 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 | 140 | UG/KG | J | J | |
| 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 | 1100 | UG/KG | | = | |
| REG | Fluorene | 64 | 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 | 230 | UG/KG | J | J | |
| 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 | Pentachlorophenol | 1000 | UG/KG | U | U | |
| REG | Phenanthrene | 700 | UG/KG | | = | |
| REG | Phenol | 410 | UG/KG | U | U | |
| REG | Pyrene | 820 | UG/KG | | = | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | U | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | U | G02,K01 |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | U | G02,K01 |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | U | G02,K01 |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | U | G02,K01 |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | U | G02,K01 |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-034 Ammunition cooling bldgs. at vacuum pump house exh

Northing: 8691.00
Easting: 143369.00
Elevation:

LL4ss-034-0267-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 1.2 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | U | G02,K01 |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | U | G02,K01 |
| REG | 2-Butanone | 6 | UG/KG | U | U | G02,K01 |
| REG | 2-Hexanone | 6 | UG/KG | U | U | G02,K01 |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | U | G02,K01 |
| REG | Acetone | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Benzene | 6 | UG/KG | U | U | G02,K01 |
| REG | Bromodichloromethane | 6 | UG/KG | U | U | G02,K01 |
| REG | Bromoform | 6 | UG/KG | U | U | G02,K01 |
| REG | Bromomethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Disulfide | 6 | UG/KG | U | U | G02,K01 |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | U | G02,K01 |
| REG | Chlorobenzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02,G02 |
| REG | Chloroform | 6 | UG/KG | U | U | G02,K01 |
| REG | Chloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Dibromochloromethane | 6 | UG/KG | U | U | G02,K01 |
| REG | Ethylbenzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Methylene Chloride | 6 | UG/KG | JB | UJ | F01,F06,G02 |
| REG | Styrene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Tetrachloroethene | 6 | UG/KG | U | U | G02,K01 |
| REG | Toluene | 12 | UG/KG | | J | G02,K01 |
| REG | Trichloroethene | 6 | UG/KG | U | U | G02,K01 |
| REG | Vinyl Chloride | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Xylenes, Total | 6 | UG/KG | U | UJ | G02,K01 |
| REG | o-Xylene | 6 | UG/KG | U | UJ | G02,K01 |

Location: Load Line 4
Station : LL4ss-035 Washout drain

Northing: 9016.00
Easting: 143684.00
Elevation:

LL4ss-035-0268-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 1.2 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 4210 | MG/KG | | J | F10 |
| REG | Arsenic | 11.3 | MG/KG | | = | |
| REG | Barium | 17.3 | MG/KG | | = | |
| REG | Cadmium | 0.05 | MG/KG | B | J | F06 |
| REG | Chromium | 6.3 | MG/KG | | = | |
| REG | Lead | 17.6 | MG/KG | | = | |
| REG | Manganese | 339 | MG/KG | | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 1 | MG/KG | | = | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 67.3 | MG/KG | | = | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-035 Washout drain
 Northing: 9016.00
 Easting: 143684.00
 Elevation:
 LL4ss-035-0268-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 5.2 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 4
 Station : LL4ss-036 Washout drain
 Northing: 8735.00
 Easting: 143001.00
 Elevation:
 LL4ss-036-0269-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 5.2 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

LL4ss-036-0270-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.3 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 4
 Station : LL4ss-037 One location at vacuum & vacuum pump house north s
 Northing: 8656.00
 Easting: 142920.00
 Elevation:
 LL4ss-037-0271-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|---------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.3 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.26 | MG/KG | B | U | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 7400 | MG/KG | = | | |
| REG | Antimony | 0.31 | MG/KG | U | U | |
| REG | Arsenic | 2.4 | MG/KG | = | | |
| REG | Barium | 22.7 | MG/KG | = | | |
| REG | Beryllium | 0.27 | MG/KG | = | | |
| REG | Cadmium | 0.04 | MG/KG | B | J | F06 |
| REG | Calcium | 881 | MG/KG | = | | |
| REG | Chromium | 7.4 | MG/KG | = | | |
| REG | Cobalt | 3.6 | MG/KG | = | | |
| REG | Copper | 9.8 | MG/KG | = | | |
| REG | Iron | 8490 | MG/KG | = | | |
| REG | Lead | 8.6 | MG/KG | = | | |
| REG | Magnesium | 1440 | MG/KG | = | | |
| REG | Manganese | 74.1 | MG/KG | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Nickel | 10.5 | MG/KG | = | | |
| REG | Potassium | 646 | MG/KG | = | | |
| REG | Selenium | 0.31 | MG/KG | U | U | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Sodium | 139 | MG/KG | B | J | F06 |
| REG | Thallium | 0.46 | MG/KG | B | J | F06 |
| REG | Vanadium | 9.6 | MG/KG | = | | |
| REG | Zinc | 35.1 | MG/KG | = | | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 2.6 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | U | |
| REG | Toxaphene | 86 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 690 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 690 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 690 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 690 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 690 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 690 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 690 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 690 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 690 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 690 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-037 One location at vacuum & vacuum pump house north s

Northing: 8656.00
 Easting: 142920.00
 Elevation:

LL4ss-037-0271-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.5 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 2-Methylnaphthalene | 690 | UG/KG | U | U | |
| REG | 2-Methylphenol | 690 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 690 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 690 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 690 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 690 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 690 | UG/KG | U | U | |
| REG | 4-Methylphenol | 690 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 690 | UG/KG | U | U | |
| REG | Acenaphthene | 690 | UG/KG | U | U | |
| REG | Acenaphthylene | 690 | UG/KG | U | U | |
| REG | Anthracene | 690 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 690 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 690 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 690 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 690 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 690 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 690 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 690 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 690 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 690 | UG/KG | U | U | |
| REG | Carbazole | 690 | UG/KG | U | U | |
| REG | Chrysene | 690 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 690 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 690 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 690 | UG/KG | U | U | |
| REG | Dibenzofuran | 690 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 690 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 690 | UG/KG | U | U | |
| REG | Fluoranthene | 75 | UG/KG | J | J | |
| REG | Fluorene | 690 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 690 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 690 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 690 | UG/KG | U | U | |
| REG | Hexachloroethane | 690 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 690 | UG/KG | U | U | |
| REG | Isophorone | 690 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 690 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 690 | UG/KG | U | U | |
| REG | Naphthalene | 690 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | |
| REG | Phenanthrene | 690 | UG/KG | U | U | |
| REG | Phenol | 690 | UG/KG | U | U | |
| REG | Pyrene | 690 | UG/KG | U | U | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-037 One location at vacuum & vacuum pump house north s

Northing: 8656.00
 Easting: 142920.00
 Elevation:

LL4ss-037-0271-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.5 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05 | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05 | |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | C05 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | |
| REG | Chloroform | 5 | UG/KG | U | U | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 17 | UG/KG | B | U | F01,F07 | |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

Location: Load Line 4
 Station : LL4ss-038 One location at vacuum & vacuum pump house north s

Northing: 8668.00
 Easting: 142860.00
 Elevation:

LL4ss-038-0272-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.5 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 4
 Station : LL4ss-039 One location at vacuum & vacuum pump house south s

Northing: 8599.00
 Easting: 142893.00
 Elevation:

LL4ss-039-0273-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.3 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-039 One location at vacuum & vacuum pump house south s

Northing: 8599.00
 Easting: 142893.00
 Elevation:

LL4ss-039-0273-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | D08,C05 | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 4
 Station: LL4ss-040 One location at vacuum & vacuum pump house south s

Northing: 8628.00
 Easting: 142843.00
 Elevation:

LL4ss-040-0274-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/28/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | D08,C05 | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 4
 Station: LL4ss-041(b) Southwest side of load line outside boundary fence

Northing: 8880.00
 Easting: 144962.00
 Elevation:

LL4ss-041(b)-0275-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|-----|--|
| | | Head Space | 1380 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 7890 | MG/KG | = | | 102,J04 | | |
| REG | Arsenic | 4.6 | MG/KG | = | | | | |
| REG | Barium | 53.2 | MG/KG | = | | | | |
| REG | Cadmium | 0.05 | MG/KG | UN* | UJ | | | |
| REG | Chromium | 9.2 | MG/KG | = | | | | |
| REG | Lead | 7.8 | MG/KG | * | = | | | |
| REG | Manganese | 110 | MG/KG | N* | J | | 102 | |
| REG | Mercury | 0.06 | MG/KG | = | | | | |
| REG | Selenium | 0.38 | MG/KG | UN | UJ | | 101 | |
| REG | Silver | 0.24 | MG/KG | U | U | | | |
| REG | Zinc | 27.2 | MG/KG | E* | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-042(b) Northwest side of load line area inside boundary f

Northing: 9932.00
 Easting: 143977.00
 Elevation:

LL4ss-042(b)-0276-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 13100 | MG/KG | = | | | | |
| REG | Arsenic | 11.7 | MG/KG | = | | | | |
| REG | Barium | 59.2 | MG/KG | = | | | | |
| REG | Cadmium | 0.05 | MG/KG | UN* | UJ | 102,J04 | | |
| REG | Chromium | 13.8 | MG/KG | = | | | | |
| REG | Lead | 15.5 | MG/KG | * | = | | | |
| REG | Manganese | 157 | MG/KG | N* | J | 102 | | |
| REG | Mercury | 0.08 | MG/KG | = | | | | |
| REG | Selenium | 0.92 | MG/KG | N | J | 101 | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 43.9 | MG/KG | E* | = | | | |

Location: Load Line 4
 Station : LL4ss-043(b) North side of load line area inside boundary fence

Northing: 9413.00
 Easting: 142516.00
 Elevation:

LL4ss-043(b)-0277-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12000 | MG/KG | = | | | | |
| REG | Arsenic | 12 | MG/KG | = | | | | |
| REG | Barium | 38.3 | MG/KG | = | | | | |
| REG | Cadmium | 0.05 | MG/KG | UN* | UJ | 102,J04 | | |
| REG | Chromium | 14 | MG/KG | = | | | | |
| REG | Lead | 13.5 | MG/KG | * | = | | | |
| REG | Manganese | 163 | MG/KG | N* | J | 102 | | |
| REG | Mercury | 0.05 | MG/KG | = | | | | |
| REG | Selenium | 0.79 | MG/KG | N | J | 101 | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 49.4 | MG/KG | E* | = | | | |

Location: Load Line 4
 Station : LL4ss-045 Locations TBD as needed based on field observation

Northing: 8707.00
 Easting: 143739.00
 Elevation:

LL4ss-045-0280-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.23 | MG/KG | B | J | F06 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 7260 | MG/KG | = | | | | |
| REG | Antimony | 0.31 | MG/KG | UN* | J | 102 | | |
| REG | Arsenic | 10.4 | MG/KG | = | | | | |
| REG | Barium | 57.9 | MG/KG | = | | | | |
| REG | Beryllium | 0.51 | MG/KG | = | | | | |
| REG | Cadmium | 0.21 | MG/KG | BN* | J | 101 | | |
| REG | Calcium | 3060 | MG/KG | N | J | 102 | | |
| REG | Chromium | 10.8 | MG/KG | * | = | | | |
| REG | Cobalt | 7.3 | MG/KG | E | = | | | |
| REG | Copper | 15.9 | MG/KG | = | | | | |
| REG | Iron | 18600 | MG/KG | * | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-045 Locations TBD as needed based on field observation

Northing: 8707.00
 Easting: 143739.00
 Elevation:

LL4ss-045-0280-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 700 | PPM | | | | |
| | | Organic Vapor | 24 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Lead | 27 | MG/KG | = | | | | |
| REG | Magnesium | 2310 | MG/KG | = | | | | |
| REG | Manganese | 303 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | | |
| REG | Nickel | 17.9 | MG/KG | N | J | I02 | | |
| REG | Potassium | 1010 | MG/KG | = | | | | |
| REG | Selenium | 0.64 | MG/KG | * | | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 173 | MG/KG | B | J | F06 | | |
| REG | Thallium | 0.97 | MG/KG | N | J | I02 | | |
| REG | Vanadium | 13 | MG/KG | * | | | | |
| REG | Zinc | 82.6 | MG/KG | * | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Dieldrin | 4.8 | UG/KG | P | J | M08,G01 | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 18 | UG/KG | | J | G01 | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | | |
| REG | Toxaphene | 86 | UG/KG | U | U | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 680 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 680 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 680 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 680 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 680 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 1600 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 680 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 680 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 680 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 1600 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 680 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 680 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 680 | UG/KG | U | U | |
| REG | 2-Methylphenol | 680 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 1600 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 680 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 1600 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1600 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 680 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 680 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 680 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 680 | UG/KG | U | U | |
| REG | 4-Methylphenol | 680 | 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 | 680 | UG/KG | U | U | |
| REG | Acenaphthene | 680 | UG/KG | U | U | |
| REG | Acenaphthylene | 270 | UG/KG | J | J | |
| REG | Anthracene | 750 | UG/KG | | = | |
| REG | Benzo(a)anthracene | 2100 | UG/KG | | = | |
| REG | Benzo(a)pyrene | 2100 | UG/KG | | = | |
| REG | Benzo(b)fluoranthene | 2700 | UG/KG | | = | |
| REG | Benzo(g,h,i)perylene | 1200 | UG/KG | | = | |
| REG | Benzo(k)fluoranthene | 3100 | UG/KG | | = | |
| REG | Bis(2-chloroethoxy)methane | 680 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 680 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 170 | UG/KG | J | J | |
| REG | Butyl Benzyl Phthalate | 680 | UG/KG | U | U | |
| REG | Carbazole | 120 | UG/KG | J | J | |
| REG | Chrysene | 2600 | UG/KG | | = | |
| REG | Di-n-butyl Phthalate | 680 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 680 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 590 | UG/KG | J | J | |
| REG | Dibenzofuran | 680 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 680 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 680 | UG/KG | U | U | |
| REG | Fluoranthene | 2000 | UG/KG | | = | |
| REG | Fluorene | 680 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 680 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 680 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 680 | UG/KG | U | U | |
| REG | Hexachloroethane | 680 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 1500 | UG/KG | | = | |
| REG | Isophorone | 680 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 680 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 680 | UG/KG | U | U | |
| REG | Naphthalene | 680 | UG/KG | U | U | |
| REG | Pentachlorophenol | 1600 | UG/KG | U | U | |
| REG | Phenanthrene | 140 | UG/KG | J | J | |
| REG | Phenol | 680 | UG/KG | U | U | |
| REG | Pyrene | 2500 | UG/KG | | = | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|---------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station : LL4ss-045 Locations TBD as needed based on field observation

Northing: 8707.00
 Easting: 143739.00
 Elevation:

LL4ss-045-0280-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 700 | PPM | | | | |
| | | Organic Vapor | 24 | PPM | | | | |
| Sample Type | Volatle Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 | | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05,K01 | | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | C05,K01 | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 | | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05,K01 | | |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,K01 | | |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 | | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Methylene Chloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Toluene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 | | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 | | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 | | |

Location: Load Line 4
 Station : LL4ss-046 Settling tanks south of G12 berm adjacent to inlet

Northing: 8424.00
 Easting: 143503.00
 Elevation:

LL4ss-046-0281-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 700 | PPM | | | | |
| | | Organic Vapor | 24 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 4
 Station : LL4ss-047 Settling tanks south of G12 berm adjacent to inlet

Northing: 8395.00
 Easting: 143515.00
 Elevation:

LL4ss-047-0282-SO 0.0 - 0.4 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|--|-----------------|-----|-------|--|--|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.6 | PPM | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

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

Location: Load Line 4
Station: LL4ss-062 Load Line 4

Northing: 8496.00
Easting: 143066.00
Elevation:

LL4ss-062-0595-SO 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 4700 | MG/KG | * | = | |
| REG | Arsenic | 9.1 | MG/KG | N | = | |
| REG | Barium | 41.1 | MG/KG | * | = | |
| REG | Cadmium | 0.33 | MG/KG | B | J | F06 |
| REG | Chromium | 6.6 | MG/KG | * | = | |
| REG | Lead | 18.2 | MG/KG | * | = | |
| REG | Manganese | 286 | MG/KG | | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.33 | MG/KG | UN | U | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 59.6 | MG/KG | N | = | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 320 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 4
Station: LL4ss-063 TBD - SW of Building G-8 approx 75 ft

Northing: 8819.00
Easting: 143693.00
Elevation:

LL4ss-063-0208-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Field Measurements | Air Temperature | 65 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 600 | PPM |
| | Organic Vapor | 5 | PPM |

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 8250 | MG/KG | | = | |
| REG | Antimony | 0.31 | MG/KG | U | U | |
| REG | Arsenic | 3.4 | MG/KG | | = | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-063 TBD - SW of Building G-8 approx 75 ft

Northing: 8819.00
 Easting: 143693.00
 Elevation:

LL4ss-063-0208-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Barium | 26 | MG/KG | = | | |
| REG | Beryllium | 0.27 | MG/KG | = | | |
| REG | Cadmium | 0.1 | MG/KG | B | J | F06 |
| REG | Calcium | 731 | MG/KG | = | | |
| REG | Chromium | 7.9 | MG/KG | = | | |
| REG | Cobalt | 3 | MG/KG | = | | |
| REG | Copper | 7.7 | MG/KG | = | | |
| REG | Iron | 7850 | MG/KG | = | | |
| REG | Lead | 9.1 | MG/KG | = | | |
| REG | Magnesium | 1300 | MG/KG | = | | |
| REG | Manganese | 79.2 | MG/KG | = | | |
| REG | Mercury | 0.03 | MG/KG | B | J | F06 |
| REG | Nickel | 8.3 | MG/KG | = | | |
| REG | Potassium | 755 | MG/KG | = | | |
| REG | Selenium | 0.31 | MG/KG | U | U | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Sodium | 136 | MG/KG | B | J | F06 |
| REG | Thallium | 0.96 | MG/KG | J | | F06 |
| REG | Vanadium | 11.5 | MG/KG | = | | |
| REG | Zinc | 34.4 | MG/KG | = | | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 |
| REG | Aldrin | 1.3 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | UJ | C08 |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | |
| REG | Aroclor-1254 | 68 | UG/KG | U | U | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | |
| REG | Endosulfan I | 1.3 | UG/KG | U | UJ | C08 |
| REG | Endosulfan II | 2.6 | UG/KG | U | UJ | C08 |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 2.6 | UG/KG | U | UJ | C08 |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | UJ | C08 |
| REG | Endrin Ketone | 2.6 | UG/KG | U | UJ | C08 |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | UJ | C08 |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | |
| REG | Heptachlor | 1.3 | UG/KG | U | UJ | C08 |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station : LL4ss-063 TBD - SW of Building G-8 approx 75 ft

Northing: 8819.00
Easting: 143693.00
Elevation:

LL4ss-063-0208-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | Methoxychlor | 13 | UG/KG | U | UJ | C08 |
| REG | Toxaphene | 85 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-------------------------------|--------|-------|----------------|------|-----------------|
| 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 | 1600 | 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-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 | 1600 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 1600 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 670 | 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 | 670 | UG/KG | U | U | |
| 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 | 670 | UG/KG | U | U | |
| 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 | UJ | C05 |
| 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 | Pentachlorophenol | 1600 | UG/KG | U | U | |
| REG | Phenanthrene | 670 | UG/KG | U | U | |
| REG | Phenol | 670 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4ss-063 TBD - SW of Building G-8 approx 75 ft

Northing: 8819.00
Easting: 143693.00
Elevation:

LL4ss-063-0208-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/12/96

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | Pyrene | 670 | UG/KG | U | U | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 5 | UG/KG | U | U | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | C05 |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 |
| REG | Bromomethane | 5 | UG/KG | U | U | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 |
| REG | Chloroform | 2 | UG/KG | J | J | |
| REG | Chloromethane | 5 | UG/KG | U | U | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 7 | UG/KG | B | U | F01,F07 |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Toluene | 5 | UG/KG | J | J | K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 |

Location: Load Line 4
Station: LL4ss-064 TBD: South side Deg Settling Tank; South of G-12

Northing: 8416.00
Easting: 143551.00
Elevation:

LL4ss-064-0677-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/14/96

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 13300 | MG/KG | = | | |
| REG | Arsenic | 7.3 | MG/KG | N | J | I01 |
| REG | Barium | 83.7 | MG/KG | = | | |
| REG | Cadmium | 0.24 | MG/KG | B | J | F06 |
| REG | Chromium | 17.4 | MG/KG | E | = | |
| REG | Lead | 15.9 | MG/KG | J | J | I01 |
| REG | Manganese | 315 | MG/KG | N | J | I01 |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.34 | MG/KG | U | U | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 79 | MG/KG | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
Station: LL4ss-065

North side of settling tank south of G-12

Northing: 8438.00
Easting: 143535.00
Elevation:

LL4ss-065-0678-SO 0.0 - 0.9 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/14/96

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 7760 | MG/KG | = | | |
| REG | Arsenic | 11.6 | MG/KG | N | J | I01 |
| REG | Barium | 64.9 | MG/KG | = | | |
| REG | Cadmium | 0.29 | MG/KG | B | J | F06 |
| REG | Chromium | 10.7 | MG/KG | E | = | |
| REG | Lead | 19.8 | MG/KG | J | | I01 |
| REG | Manganese | 585 | MG/KG | N | J | I01 |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.34 | MG/KG | U | U | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 75.4 | MG/KG | = | | |

Location: Load Line 4
Station: LL4ss-066

TBD: NW side of Building G13-VP-1 under outfall

Northing: 8672.00
Easting: 142816.00
Elevation:

LL4ss-066-0679-SO 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 08/14/96

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 13300 | MG/KG | = | | |
| REG | Arsenic | 4.3 | MG/KG | N | J | I01 |
| REG | Barium | 41.3 | MG/KG | = | | |
| REG | Cadmium | 0.15 | MG/KG | B | J | F06 |
| REG | Chromium | 14.1 | MG/KG | E | = | |
| REG | Lead | 15.1 | MG/KG | J | | I01 |
| REG | Manganese | 181 | MG/KG | N | J | I01 |
| REG | Mercury | 0.04 | MG/KG | = | | |
| REG | Selenium | 0.35 | MG/KG | U | U | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 55.2 | MG/KG | = | | |

Location: Load Line 4
Station: LL4ss-067

TBD: Near BLDG G-8 Corridor

Northing: 8633.00
Easting: 143700.00
Elevation:

LL4ss-067-0679-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 8170 | MG/KG | = | | |
| REG | Arsenic | 13.6 | MG/KG | = | | |
| REG | Barium | 69.4 | MG/KG | = | | |
| REG | Cadmium | 0.45 | MG/KG | B | J | F06 |
| REG | Chromium | 10.7 | MG/KG | = | | |
| REG | Lead | 19.8 | MG/KG | * | = | |
| REG | Manganese | 474 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.32 | MG/KG | U | U | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 68.5 | MG/KG | = | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 4
 Station: LL4ss-067 TBD: Near BLDG G-8 Corridor

Northing: 8633.00
 Easting: 143700.00
 Elevation:

LL4ss-067-0679-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------|--------|-------|----------------|------|-----------------|
| REG | Tetryl | 650 | UG/KG | U | UJ | H02.P02 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-001 South side of building

Northing: 11526.00
 Easting: 146619.00
 Elevation:

L12ss-001-0306-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
| REG | Cyanide | 0.3 | MG/KG | B | U | |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 3010 | MG/KG | = | | |
| REG | Antimony | 0.86 | MG/KG | = | | |
| REG | Arsenic | 6.5 | MG/KG | = | | |
| REG | Barium | 155 | MG/KG | = | | |
| REG | Beryllium | 0.34 | MG/KG | = | | |
| REG | Cadmium | 3.1 | MG/KG | = | | |
| REG | Calcium | 171000 | MG/KG | = | | |
| REG | Chromium | 21.4 | MG/KG | = | | |
| REG | Cobalt | 3.8 | MG/KG | = | | |
| REG | Copper | 51 | MG/KG | = | | |
| REG | Iron | 17000 | MG/KG | = | | |
| REG | Lead | 424 | MG/KG | = | | |
| REG | Magnesium | 3610 | MG/KG | = | | |
| REG | Manganese | 542 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | = | | |
| REG | Nickel | 12.5 | MG/KG | = | | |
| REG | Potassium | 566 | MG/KG | = | | |
| REG | Selenium | 0.31 | MG/KG | U | U | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Sodium | 218 | MG/KG | B | J | F06 |
| REG | Thallium | 2.8 | MG/KG | = | | |
| REG | Vanadium | 7.8 | MG/KG | = | | |
| REG | Zinc | 545 | MG/KG | = | | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | |
| REG | Aldrin | 1.3 | UG/KG | U | U | |
| REG | Alpha Chlordane | 38 | UG/KG | D | = | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | |
| REG | Aroclor-1254 | 760 | UG/KG | P | J | M08 |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 93 | UG/KG | PE | J | M08,M07 |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | |
| REG | Gamma Chlordane | 7.2 | UG/KG | P | J | M08 |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | |
| REG | Heptachlor | 8.1 | UG/KG | = | | |
| REG | Heptachlor Epoxide | 2.8 | UG/KG | P | J | M08 |
| REG | Methoxychlor | 13 | UG/KG | U | U | |
| REG | Toxaphene | 86 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,2,4-Trichlorobenzene | 680 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 680 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 680 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12ss-001 South side of building

Northing: 11526.00
 Easting: 146619.00
 Elevation:

L12ss-001-0306-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,4-Dichlorobenzene | 680 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 680 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 1600 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 680 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 680 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 680 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 1600 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 680 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 680 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 680 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 680 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 1600 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 680 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 1600 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 1600 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 680 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 680 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 680 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 680 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 680 | 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 | 680 | UG/KG | U | U | | |
| REG | Acenaphthene | 680 | UG/KG | U | U | | |
| REG | Acenaphthylene | 680 | UG/KG | U | U | | |
| REG | Anthracene | 680 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 680 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 680 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 680 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 680 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 680 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 680 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 680 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 680 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Carbazole | 680 | UG/KG | U | U | | |
| REG | Chrysene | 680 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 680 | UG/KG | U | U | | |
| REG | Dibenzofuran | 680 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 680 | UG/KG | U | U | | |
| REG | Fluoranthene | 73 | UG/KG | J | J | | |
| REG | Fluorene | 680 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 680 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 680 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 680 | UG/KG | U | U | | |
| REG | Hexachloroethane | 680 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 680 | UG/KG | U | U | | |
| REG | Isophorone | 680 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 680 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 680 | UG/KG | U | U | | |
| REG | Naphthalene | 680 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 1600 | UG/KG | U | U | | |
| REG | Phenanthrene | 680 | UG/KG | U | U | | |
| REG | Phenol | 680 | UG/KG | U | U | | |
| REG | Pyrene | 680 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12ss-001 South side of building

Northing: 11526.00
Easting: 146619.00
Elevation:

L12ss-001-0306-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/95

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Acetone | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Benzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromoform | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,G02,K01 | |
| REG | Chloroform | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Methylene Chloride | 6 | UG/KG | B | UJ | F01,F07,G02 | |
| REG | Styrene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Toluene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | G02,K01 | |
| REG | o-Xylene | 5 | UG/KG | U | UJ | G02,K01 | |

Location: Load Line 12
Station : L12ss-002 East side of building

Northing: 11563.00
Easting: 146643.00
Elevation:

L12ss-002-0307-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/95

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 490 | UG/KG | U | J | M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 2800 | UG/KG | P | J | M08 | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-003 East side of building

Northing: 11620.00
 Easting: 146618.00
 Elevation:

L12ss-003-0308-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 990 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 1300 | UG/KG | JP | J | M08 | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 3200 | UG/KG | P | J | M08 | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 12
 Station : L12ss-004 Along east side of building(discolored soil) under

Northing: 11050.00
 Easting: 146367.00
 Elevation:

L12ss-004-0309-SO 0.0 - 0.9 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8510 | MG/KG | | J | F10 | | |
| REG | Arsenic | 9.2 | MG/KG | = | | | | |
| REG | Barium | 274 | MG/KG | = | | | | |
| REG | Cadmium | 3.5 | MG/KG | = | | | | |
| REG | Chromium | 16.3 | MG/KG | = | | | | |
| REG | Lead | 389 | MG/KG | = | | | | |
| REG | Manganese | 532 | MG/KG | = | | | | |
| REG | Mercury | 0.06 | MG/KG | = | | | | |
| REG | Selenium | 1.5 | MG/KG | = | | | | |
| REG | Silver | 0.5 | MG/KG | B | J | F06 | | |
| REG | Zinc | 632 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 12500 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 12500 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 14000000 | UG/KG | DP | J | C08,M07 | | |
| REG | 2,4-Dinitrotoluene | 12500 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 13000 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 12500 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 12500 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 12500 | UG/KG | U | U | | | |
| REG | HMX | 180000 | UG/KG | P | J | M07 | | |
| REG | Nitrobenzene | 13000 | UG/KG | U | U | | | |
| REG | RDX | 6800000 | UG/KG | DP | J | M07 | | |
| REG | Tetryl | 32500 | UG/KG | U | U | | | |

Location: Load Line 12
 Station : L12ss-005 Along east side of building(discolored soil) under

Northing: 11021.00
 Easting: 146379.00
 Elevation:

L12ss-005-0310-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 79 | DEG F | | | | |
|--------------------|--|-----------------|-----|-------|--|--|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 7930 | MG/KG | J | | F10 |
| REG | Arsenic | 8.5 | MG/KG | = | | |
| REG | Barium | 34.2 | MG/KG | = | | |
| REG | Cadmium | 0.31 | MG/KG | B | J | F06 |
| REG | Chromium | 8.8 | MG/KG | = | | |
| REG | Lead | 75 | MG/KG | = | | |
| REG | Manganese | 135 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | = | | |
| REG | Selenium | 1.2 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 111 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 1000 | UG/KG | P | UJ | M07 |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 99000 | UG/KG | DP | J | M07 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 4000 | UG/KG | P | J | M07 |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 39000 | UG/KG | DJ | J | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 12

Station: L12ss-006

Along east side of building(discolored soil) under

Northing: 10991.00

Easting: 146393.00

Elevation:

L12ss-006-0311-SO

0.0 - 1.5 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 07/26/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 4430 | MG/KG | J | | F10 |
| REG | Arsenic | 10.1 | MG/KG | = | | |
| REG | Barium | 36 | MG/KG | = | | |
| REG | Cadmium | 0.2 | MG/KG | B | J | F06 |
| REG | Chromium | 7 | MG/KG | = | | |
| REG | Lead | 44.3 | MG/KG | = | | |
| REG | Manganese | 234 | MG/KG | = | | |
| REG | Mercury | 0.32 | MG/KG | = | | |
| REG | Selenium | 0.69 | MG/KG | = | | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Zinc | 78.8 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 720000 | UG/KG | D | J | C08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 61000 | UG/KG | D | = | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12ss-007 Southeast corner of building at pipe outfall

Northing: 10948.00
 Easting: 146373.00
 Elevation:

L12ss-007-0312-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.36 | MG/KG | BN | J | I02 | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7630 | MG/KG | * | J | F10 | |
| REG | Antimony | 0.3 | MG/KG | UN* | J | I02 | |
| REG | Arsenic | 12.1 | MG/KG | | = | | |
| REG | Barium | 80 | MG/KG | N* | J | I02 | |
| REG | Beryllium | 0.83 | MG/KG | * | = | | |
| REG | Cadmium | 0.32 | MG/KG | B* | = | | |
| REG | Calcium | 73200 | MG/KG | N* | J | I02 | |
| REG | Chromium | 8.8 | MG/KG | * | = | | |
| REG | Cobalt | 5.1 | MG/KG | * | = | | |
| REG | Copper | 18.2 | MG/KG | N* | J | I02 | |
| REG | Iron | 17800 | MG/KG | * | = | | |
| REG | Lead | 45.6 | MG/KG | | = | | |
| REG | Magnesium | 3600 | MG/KG | N* | J | I02 | |
| REG | Manganese | 673 | MG/KG | * | = | | |
| REG | Mercury | 0.03 | MG/KG | U | = | | |
| REG | Nickel | 11.7 | MG/KG | * | = | | |
| REG | Potassium | 595 | MG/KG | N | J | I02 | |
| REG | Selenium | 0.99 | MG/KG | | = | | |
| REG | Silver | 0.19 | MG/KG | U* | = | | |
| REG | Sodium | 253 | MG/KG | N | J | I02 | |
| REG | Thallium | 2.3 | MG/KG | * | = | | |
| REG | Vanadium | 11.1 | MG/KG | * | = | | |
| REG | Zinc | 74.2 | MG/KG | N | J | I02 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 640 | UG/KG | P | J | M07 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.5 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.5 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.5 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 68 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12ss-007 Southeast corner of building at pipe outfall

Northing: 10948.00
 Easting: 146373.00
 Elevation:

L12ss-007-0312-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 83 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Dieldrin | 2.5 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.5 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.5 | UG/KG | U | U | | | |
| REG | Endrin | 6.1 | UG/KG | P | J | M08 | | |
| REG | Endrin Aldehyde | 2.5 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.5 | UG/KG | U | UJ | C08 | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | UJ | C08 | | |
| REG | Toxaphene | 84 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 330 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 810 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 810 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 330 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 330 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 330 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 810 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 330 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 810 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 810 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 330 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 330 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 330 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 330 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 330 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 810 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 810 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 330 | UG/KG | U | U | | | |
| REG | Acenaphthene | 44 | UG/KG | J | J | | | |
| REG | Acenaphthylene | 330 | UG/KG | U | U | | | |
| REG | Anthracene | 120 | UG/KG | J | J | | | |
| REG | Benzo(a)anthracene | 530 | UG/KG | | = | | | |
| REG | Benzo(a)pyrene | 560 | UG/KG | | = | | | |
| REG | Benzo(b)fluoranthene | 330 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 350 | UG/KG | | = | | | |
| REG | Benzo(k)fluoranthene | 790 | UG/KG | | = | | | |
| REG | Bis(2-chloroethoxy)methane | 330 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 330 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 40 | UG/KG | J | J | | | |
| REG | Butyl Benzyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Carbazole | 110 | UG/KG | J | J | | | |
| REG | Chrysene | 550 | UG/KG | | = | | | |
| REG | Di-n-butyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 160 | UG/KG | J | J | | | |
| REG | Dibenzofuran | 330 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 330 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12ss-007 Southeast corner of building at pipe outfall

Northing: 10948.00
Easting: 146373.00
Elevation:

L12ss-007-0312-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 83 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Fluoranthene | 1200 | UG/KG | = | | |
| REG | Fluorene | 42 | UG/KG | J | J | |
| REG | Hexachlorobenzene | 330 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 330 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 330 | UG/KG | U | U | |
| REG | Hexachloroethane | 330 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | = | | |
| REG | Isophorone | 330 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 330 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 330 | UG/KG | U | U | |
| REG | Naphthalene | 330 | UG/KG | U | U | |
| REG | Pentachlorophenol | 810 | UG/KG | U | U | |
| REG | Phenanthrene | 630 | UG/KG | = | | |
| REG | Phenol | 330 | UG/KG | U | U | |
| REG | Pyrene | 930 | UG/KG | = | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | J | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | K01 |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02, K01 |
| REG | Chloroform | 5 | UG/KG | U | UJ | K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 5 | UG/KG | U | UJ | K01 |
| REG | Styrene | 5 | UG/KG | U | UJ | K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Toluene | 16 | UG/KG | J | | K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | K01 |

Location: Load Line 12
Station : L12ss-008 Adjacent to vacuum barricade south of building

Northing: 10960.00
Easting: 146402.00
Elevation:

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

L12ss-008-0313-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 13300 | MG/KG | = | | | | |
| REG | Arsenic | 11.2 | MG/KG | * | J | J04 | | |
| REG | Barium | 149 | MG/KG | = | | | | |
| REG | Cadmium | 0.25 | MG/KG | B | J | F06 | | |
| REG | Chromium | 11.3 | MG/KG | N | J | I01 | | |
| REG | Lead | 63.6 | MG/KG | * | J | I01 | | |
| REG | Manganese | 725 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.74 | MG/KG | = | | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | | |
| REG | Zinc | 59.3 | MG/KG | N* | J | I01 | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 2000 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

L12ss-008-0314-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 9330 | MG/KG | = | | | | |
| REG | Arsenic | 9.5 | MG/KG | * | J | J04 | | |
| REG | Barium | 100 | MG/KG | = | | | | |
| REG | Cadmium | 0.29 | MG/KG | B | J | F06 | | |
| REG | Chromium | 9.4 | MG/KG | N | J | I01 | | |
| REG | Lead | 102 | MG/KG | * | J | I01 | | |
| REG | Manganese | 525 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.93 | MG/KG | = | | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | | |
| REG | Zinc | 55.9 | MG/KG | N* | J | I01 | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 1500 | UG/KG | P | J | M07 | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12ss-009 Adjacent to vacuum pump house near exhaust vent

Northing: 11021.00
 Easting: 146483.00
 Elevation:

L12ss-009-0316-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 72 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 12
 Station: L12ss-012 Adjacent to bldg. WT01

Northing: 11154.00
 Easting: 146443.00
 Elevation:

L12ss-012-0319-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 79 | DEG F | | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.15 | MG/KG | B | J | F06 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8850 | MG/KG | = | = | | | |
| REG | Antimony | 0.34 | MG/KG | UN | UJ | I02 | | |
| REG | Arsenic | 7.5 | MG/KG | N | J | I02 | | |
| REG | Barium | 131 | MG/KG | * | = | | | |
| REG | Beryllium | 0.52 | MG/KG | = | = | | | |
| REG | Cadmium | 0.62 | MG/KG | = | = | | | |
| REG | Calcium | 3400 | MG/KG | = | = | | | |
| REG | Chromium | 11.4 | MG/KG | = | = | | | |
| REG | Cobalt | 3.6 | MG/KG | = | = | | | |
| REG | Copper | 14.8 | MG/KG | = | = | | | |
| REG | Iron | 13700 | MG/KG | = | = | | | |
| REG | Lead | 160 | MG/KG | * | = | | | |
| REG | Magnesium | 1100 | MG/KG | = | = | | | |
| REG | Manganese | 202 | MG/KG | N* | J | I02 | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Nickel | 10.2 | MG/KG | = | = | | | |
| REG | Potassium | 533 | MG/KG | B | J | F06 | | |
| REG | Selenium | 1.3 | MG/KG | N | J | I02 | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Sodium | 221 | MG/KG | B | J | F06 | | |
| REG | Thallium | 1.1 | MG/KG | N | J | I02 | | |
| REG | Vanadium | 15.5 | MG/KG | = | = | | | |
| REG | Zinc | 280 | MG/KG | * | = | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.9 | UG/KG | U | U | | | |
| REG | 4,4'-DDE | 4.9 | UG/KG | P | J | M08,G01 | | |
| REG | 4,4'-DDT | 25 | UG/KG | | J | C08,M08,G01 | | |
| REG | Aldrin | 1.5 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.5 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 38 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station: L12ss-012 Adjacent to bldg. WT01

Northing: 11154.00
Easting: 146443.00
Elevation:

L12ss-012-0319-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 74 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | Aroclor-1221 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 77 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 77 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Dieldrin | 2.9 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.9 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.9 | UG/KG | U | U | | |
| REG | Endrin | 26 | UG/KG | P | J | M08,G01 | |
| REG | Endrin Aldehyde | 2.9 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.9 | UG/KG | U | UJ | C08 | |
| REG | Gamma Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.5 | UG/KG | U | U | | |
| REG | Methoxychlor | 15 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 95 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | 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 | 920 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 380 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 380 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 380 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 920 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 380 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 380 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 240 | UG/KG | J | J | C05 | |
| 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 | 920 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 920 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 380 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 380 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 380 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 380 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 380 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 920 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 920 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 380 | UG/KG | U | U | | |
| REG | Acenaphthene | 2700 | UG/KG | | = | | |
| REG | Acenaphthylene | 81 | UG/KG | J | J | | |
| REG | Anthracene | 7400 | UG/KG | D | = | | |
| REG | Benzo(a)anthracene | 14000 | UG/KG | D | = | | |
| REG | Benzo(a)pyrene | 12000 | UG/KG | D | = | | |
| REG | Benzo(b)fluoranthene | 9200 | UG/KG | D | = | | |
| REG | Benzo(g,h,i)perylene | 5800 | UG/KG | | = | | |
| REG | Benzo(k)fluoranthene | 12000 | UG/KG | D | = | | |
| 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 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-012 Adjacent to bldg. WT01

Northing: 11154.00
 Easting: 146443.00
 Elevation:

L12ss-012-0319-SO 0.0 - 1.2 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 74 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Carbazole | 3800 | UG/KG | = | | |
| REG | Chrysene | 13000 | UG/KG | D | = | |
| 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 | 3400 | UG/KG | = | | |
| REG | Dibenzofuran | 1900 | UG/KG | = | | |
| REG | Diethyl Phthalate | 380 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 380 | UG/KG | U | U | |
| REG | Fluoranthene | 30000 | UG/KG | D | = | |
| REG | Fluorene | 3200 | UG/KG | = | | |
| 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 | 6700 | UG/KG | D | = | |
| REG | Isophorone | 380 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 380 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 380 | UG/KG | U | U | |
| REG | Naphthalene | 380 | UG/KG | U | U | |
| REG | Pentachlorophenol | 920 | UG/KG | U | U | |
| REG | Phenanthrene | 23000 | UG/KG | D | = | |
| REG | Phenol | 380 | UG/KG | U | U | |
| REG | Pyrene | 25000 | UG/KG | D | = | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Butanone | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Hexanone | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 55 | UG/KG | J | | C02,C05,G02 |
| REG | Benzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromodichloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromoform | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromomethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Disulfide | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chlorobenzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02,G02,K01 |
| REG | Chloroform | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Dibromochloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Ethylbenzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Methylene Chloride | 17 | UG/KG | B | UJ | F01,F07,G02 |
| REG | Styrene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Tetrachloroethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Toluene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Trichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Vinyl Chloride | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Xylenes, Total | 6 | UG/KG | U | UJ | G02,K01 |
| REG | o-Xylene | 6 | UG/KG | U | UJ | G02,K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

L12ss-012-0320-FD 0.0 - 1.2 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Organic Vapor | 0.0 | PPM | | | |
|--------------------|------------------------|-----------------|-------|------------|------|-----------------|--|
| | | Air Temperature | 74 | DEG F | | | |
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | Cyanide | 0.11 | MG/KG | U | U | | |
| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | Aluminum | 9800 | MG/KG | = | | | |
| REG | Antimony | 0.34 | MG/KG | UN | UJ | I02 | |
| REG | Arsenic | 6 | MG/KG | N | J | I02 | |
| REG | Barium | 92.2 | MG/KG | * | = | | |
| REG | Beryllium | 0.44 | MG/KG | = | | | |
| REG | Cadmium | 0.23 | MG/KG | B | J | F06 | |
| REG | Calcium | 3070 | MG/KG | = | | | |
| REG | Chromium | 10.8 | MG/KG | = | | | |
| REG | Cobalt | 2.4 | MG/KG | = | | | |
| REG | Copper | 12.8 | MG/KG | = | | | |
| REG | Iron | 11600 | MG/KG | = | | | |
| REG | Lead | 55.1 | MG/KG | * | = | | |
| REG | Magnesium | 891 | MG/KG | = | | | |
| REG | Manganese | 73 | MG/KG | N* | J | I02 | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Nickel | 7.7 | MG/KG | = | | | |
| REG | Potassium | 478 | MG/KG | B | J | F06 | |
| REG | Selenium | 1 | MG/KG | N | J | I02 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Sodium | 228 | MG/KG | B | J | F06 | |
| REG | Thallium | 0.8 | MG/KG | N | J | I02 | |
| REG | Vanadium | 14.5 | MG/KG | = | | | |
| REG | Zinc | 100 | MG/KG | * | = | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code | |
| | | | | Lab | Data | | |
| REG | 4,4'-DDD | 2.8 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.8 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.8 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.5 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 37 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 37 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 37 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 37 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 37 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 75 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 75 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Dieldrin | 2.8 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.8 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.8 | UG/KG | U | U | | |
| REG | Endrin | 20 | UG/KG | P | J | M08 | |
| REG | Endrin Aldehyde | 2.8 | UG/KG | U | U | | |
| REG | Endrin Ketone | 12 | UG/KG | P | J | C08,M08 | |
| REG | Gamma Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.5 | UG/KG | U | U | | |
| REG | Methoxychlor | 15 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 93 | UG/KG | U | U | | |
| 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 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-012 Adjacent to bldg. WT01

Northing: 11154.00
 Easting: 146443.00
 Elevation:

L12ss-012-0320-FD 0.0 - 1.2 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Organic Vapor | 0.0 | PPM | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Air Temperature | 74 | DEG F | | | |
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| 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 | 900 | 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 | 900 | 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 | 900 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 370 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 900 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 900 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 370 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 370 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 370 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 370 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 370 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 900 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 900 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 370 | UG/KG | U | U | | |
| REG | Acenaphthene | 400 | UG/KG | | = | | |
| REG | Acenaphthylene | 370 | UG/KG | U | U | | |
| REG | Anthracene | 980 | UG/KG | | = | | |
| REG | Benzo(a)anthracene | 2200 | UG/KG | | = | | |
| REG | Benzo(a)pyrene | 2200 | UG/KG | | = | | |
| REG | Benzo(b)fluoranthene | 1700 | UG/KG | | = | | |
| REG | Benzo(g,h,i)perylene | 1300 | UG/KG | | = | | |
| REG | Benzo(k)fluoranthene | 2000 | UG/KG | | = | | |
| 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 | 59 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 370 | UG/KG | U | U | | |
| REG | Carbazole | 1000 | UG/KG | | = | | |
| REG | Chrysene | 2100 | UG/KG | | = | | |
| 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 | 490 | UG/KG | | = | | |
| REG | Dibenzofuran | 270 | UG/KG | J | J | | |
| REG | Diethyl Phthalate | 370 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 370 | UG/KG | U | U | | |
| REG | Fluoranthene | 5700 | UG/KG | | = | | |
| REG | Fluorene | 390 | UG/KG | | = | | |
| 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 | 1600 | UG/KG | | = | | |
| 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 | 89 | UG/KG | J | J | | |
| REG | Pentachlorophenol | 900 | UG/KG | U | U | | |
| REG | Phenanthrene | 4000 | UG/KG | | = | | |
| REG | Phenol | 370 | UG/KG | U | U | | |
| REG | Pyrene | 4000 | UG/KG | | = | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 12
Station : L12ss-012 Adjacent to bldg. WT01

Northing: 11154.00
Easting: 146443.00
Elevation:

L12ss-012-0320-FD 0.0 - 1.2 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Organic Vapor | 0.0 | PPM | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|-------------|
| | | Air Temperature | 74 | DEG F | | | |
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | U | | |
| REG | 2-Butanone | 49 | UG/KG | | J | | C05 |
| REG | 2-Hexanone | 6 | UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | U | | |
| REG | Acetone | 100 | UG/KG | | J | | C02,C04,C05 |
| REG | Benzene | 6 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 6 | UG/KG | U | U | | |
| REG | Bromoform | 6 | UG/KG | U | U | | |
| REG | Bromomethane | 6 | UG/KG | U | UJ | | C05 |
| REG | Carbon Disulfide | 6 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | U | | |
| REG | Chlorobenzene | 6 | UG/KG | U | U | | |
| REG | Chloroethane | 6 | UG/KG | U | UJ | | C02 |
| REG | Chloroform | 6 | UG/KG | U | U | | |
| REG | Chloromethane | 6 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 6 | UG/KG | U | U | | |
| REG | Ethylbenzene | 6 | UG/KG | U | U | | |
| REG | Methylene Chloride | 24 | UG/KG | B | U | | F01,F07 |
| REG | Styrene | 6 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 6 | UG/KG | U | U | | |
| REG | Toluene | 6 | UG/KG | U | U | | |
| REG | Trichloroethene | 6 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 6 | UG/KG | U | U | | |
| REG | Xylenes, Total | 6 | UG/KG | U | U | | |
| REG | o-Xylene | 6 | UG/KG | U | U | | |

Location: Load Line 12
Station : L12ss-013 Adjacent to bldg. WT01

Northing: 11197.00
Easting: 146462.00
Elevation:

L12ss-013-0321-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Organic Vapor | 0.0 | PPM | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|-----|
| | | Air Temperature | 74 | DEG F | | | |
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 0.3 | MG/KG | B | J | | F06 |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 14200 | MG/KG | | = | | |
| REG | Antimony | 0.35 | MG/KG | UN | UJ | | I02 |
| REG | Arsenic | 15.5 | MG/KG | N | J | | I02 |
| REG | Barium | 92.5 | MG/KG | * | = | | |
| REG | Beryllium | 0.74 | MG/KG | | = | | |
| REG | Cadmium | 0.15 | MG/KG | B | J | | F06 |
| REG | Calcium | 2390 | MG/KG | | = | | |
| REG | Chromium | 17.2 | MG/KG | | = | | |
| REG | Cobalt | 13.8 | MG/KG | | = | | |
| REG | Copper | 21.1 | MG/KG | | = | | |
| REG | Iron | 26700 | MG/KG | | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12ss-013 Adjacent to bldg. WT01

Northing: 11197.00
 Easting: 146462.00
 Elevation:

L12ss-013-0321-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 74 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Lead | 30.8 | MG/KG | * | = | | |
| REG | Magnesium | 3080 | MG/KG | | = | | |
| REG | Manganese | 663 | MG/KG | N* | J | I02 | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Nickel | 23.1 | MG/KG | | = | | |
| REG | Potassium | 1130 | MG/KG | | = | | |
| REG | Selenium | 1.7 | MG/KG | N | J | I02 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Sodium | 268 | MG/KG | | = | | |
| REG | Thallium | 3.3 | MG/KG | N | J | I02 | |
| REG | Vanadium | 24.7 | MG/KG | | = | | |
| REG | Zinc | 97.8 | MG/KG | * | = | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.9 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.9 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 19 | UG/KG | | J | C08,G01 | |
| REG | Aldrin | 1.5 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 77 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 77 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Dieldrin | 2.9 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.9 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.9 | UG/KG | U | U | | |
| REG | Endrin | 16 | UG/KG | P | J | M08,G01 | |
| REG | Endrin Aldehyde | 2.9 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.9 | UG/KG | U | UJ | C08 | |
| REG | Gamma Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.5 | UG/KG | U | U | | |
| REG | Methoxychlor | 15 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 95 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 380 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 380 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 380 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 380 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 380 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 920 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 380 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 380 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 380 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 920 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 380 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 380 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 81 | UG/KG | J | J | C05 | |
| REG | 2-Methylphenol | 380 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 920 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station: L12ss-013 Adjacent to bldg. WT01

Northing: 11197.00
Easting: 146462.00
Elevation:

L12ss-013-0321-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 74 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 2-Nitrophenol | 380 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 920 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 920 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 380 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 380 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 380 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 380 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 380 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 920 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 920 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 380 | UG/KG | U | U | | |
| REG | Acenaphthene | 430 | UG/KG | | = | | |
| REG | Acenaphthylene | 380 | UG/KG | U | U | | |
| REG | Anthracene | 1000 | UG/KG | | = | | |
| REG | Benzo(a)anthracene | 2500 | UG/KG | | = | | |
| REG | Benzo(a)pyrene | 2600 | UG/KG | | = | | |
| REG | Benzo(b)fluoranthene | 2500 | UG/KG | | = | | |
| REG | Benzo(g,h,i)perylene | 1600 | UG/KG | | = | | |
| REG | Benzo(k)fluoranthene | 1700 | UG/KG | | = | | |
| 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 | 96 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 380 | UG/KG | U | U | | |
| REG | Carbazole | 870 | UG/KG | | = | | |
| REG | Chrysene | 2500 | 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 | 720 | UG/KG | | = | | |
| REG | Dibenzofuran | 280 | UG/KG | J | J | | |
| REG | Diethyl Phthalate | 380 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 380 | UG/KG | U | U | | |
| REG | Fluoranthene | 5200 | UG/KG | | = | | |
| REG | Fluorene | 420 | UG/KG | | = | | |
| 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 | 1900 | UG/KG | | = | | |
| 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 | 130 | UG/KG | J | J | | |
| REG | Pentachlorophenol | 920 | UG/KG | U | U | | |
| REG | Phenanthrene | 3500 | UG/KG | | = | | |
| REG | Phenol | 380 | UG/KG | U | U | | |
| REG | Pyrene | 3800 | UG/KG | | = | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | U | | |
| REG | 2-Butanone | 6 | UG/KG | U | UJ | C05 | |
| REG | 2-Hexanone | 6 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12ss-013 Adjacent to bldg. WT01

Northing: 11197.00
Easting: 146462.00
Elevation:

L12ss-013-0321-SO 0.0 - 1.1 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 74 | DEG F | | | | |
|--------------------|----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | U | | | |
| REG | Acetone | 99 | UG/KG | | J | C02,C04,C05 | | |
| REG | Benzene | 6 | UG/KG | U | U | | | |
| REG | Bromodichloromethane | 6 | UG/KG | U | U | | | |
| REG | Bromoform | 6 | UG/KG | U | U | | | |
| REG | Bromomethane | 6 | UG/KG | U | UJ | C05 | | |
| REG | Carbon Disulfide | 6 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | U | | | |
| REG | Chlorobenzene | 6 | UG/KG | U | U | | | |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02 | | |
| REG | Chloroform | 6 | UG/KG | U | U | | | |
| REG | Chloromethane | 6 | UG/KG | U | U | | | |
| REG | Dibromochloromethane | 6 | UG/KG | U | U | | | |
| REG | Ethylbenzene | 6 | UG/KG | U | U | | | |
| REG | Methylene Chloride | 21 | UG/KG | B | U | F01,F07 | | |
| REG | Styrene | 6 | UG/KG | U | U | | | |
| REG | Tetrachloroethene | 6 | UG/KG | U | U | | | |
| REG | Toluene | 6 | UG/KG | U | U | | | |
| REG | Trichloroethene | 6 | UG/KG | U | U | | | |
| REG | Vinyl Chloride | 6 | UG/KG | U | U | | | |
| REG | Xylenes, Total | 6 | UG/KG | U | U | | | |
| REG | o-Xylene | 6 | UG/KG | U | U | | | |

Location: Load Line 12
Station : L12ss-014 Adjacent to former FJ905 location

Northing: 10689.00
Easting: 146492.00
Elevation:

L12ss-014-0322-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 74 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 10500 | MG/KG | | = | | | |
| REG | Arsenic | 14.6 | MG/KG | * | J | J04 | | |
| REG | Barium | 70.1 | MG/KG | | = | | | |
| REG | Cadmium | 0.11 | MG/KG | B | J | F06 | | |
| REG | Chromium | 13.3 | MG/KG | N | J | I01 | | |
| REG | Lead | 31.4 | MG/KG | * | J | I01 | | |
| REG | Manganese | 645 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 1 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 67.2 | MG/KG | N* | J | I01 | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12ss-015 Adjacent to former FJ905 location

Northing: 10599.00
Easting: 146532.00
Elevation:

L12ss-015-0323-FD 0.0 - 0.8 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 70 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 9880 | MG/KG | = | | |
| REG | Arsenic | 12.2 | MG/KG | * | J | J04 |
| REG | Barium | 147 | MG/KG | = | | |
| REG | Cadmium | 0.76 | MG/KG | = | | |
| REG | Chromium | 12.3 | MG/KG | N | J | I01 |
| REG | Lead | 157 | MG/KG | * | J | I01 |
| REG | Manganese | 936 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 0.68 | MG/KG | = | | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Zinc | 176 | MG/KG | N* | J | I01 |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 820 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

L12ss-015-0324-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 72 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 9.8 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 7840 | MG/KG | = | | |
| REG | Arsenic | 11.9 | MG/KG | * | J | I01 |
| REG | Barium | 122 | MG/KG | = | | |
| REG | Cadmium | 0.76 | MG/KG | = | | |
| REG | Chromium | 11 | MG/KG | N | J | I01 |
| REG | Lead | 181 | MG/KG | * | J | I01 |
| REG | Manganese | 515 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 0.58 | MG/KG | = | | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Zinc | 199 | MG/KG | N* | J | I01 |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 960 | UG/KG | P | J | M07 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | U |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-016 Adjacent to inlet and outfall of settling basin no

Northing: 10673.00
 Easting: 146605.00
 Elevation:

L12ss-016-0325-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

Field Measurements
 Air Temperature 72 DEG F
 Head Space 9.8 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 15700 | MG/KG | * | = | |
| REG | Arsenic | 4 | MG/KG | | = | |
| REG | Barium | 101 | MG/KG | * | = | |
| REG | Cadmium | 0.25 | MG/KG | B* | J | F06 |
| REG | Chromium | 16.2 | MG/KG | * | = | |
| REG | Lead | 14.8 | MG/KG | * | = | |
| REG | Manganese | 44.7 | MG/KG | * | = | |
| REG | Mercury | 0.05 | MG/KG | * | = | |
| REG | Selenium | 0.35 | MG/KG | U | U | |
| REG | Silver | 0.22 | MG/KG | U* | U | |
| REG | Zinc | 33.9 | MG/KG | * | = | |

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

Location: Load Line 12
 Station : L12ss-017 Adjacent to inlet and outfall of settling basin no

Northing: 10602.00
 Easting: 146569.00
 Elevation:

L12ss-017-0326-SO 0.0 - 0.9 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

Field Measurements
 Air Temperature 86 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 7100 | MG/KG | | J | F10 |
| REG | Arsenic | 14.9 | MG/KG | | = | |
| REG | Barium | 62.9 | MG/KG | | = | |
| REG | Cadmium | 0.62 | MG/KG | | = | |
| REG | Chromium | 11.9 | MG/KG | | = | |
| REG | Lead | 63.3 | MG/KG | | = | |
| REG | Manganese | 310 | MG/KG | | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 1.8 | MG/KG | | = | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 105 | MG/KG | | = | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-017 Adjacent to inlet and outfall of settling basin no

Northing: 10602.00
 Easting: 146569.00
 Elevation:

L12ss-017-0326-SO 0.0 - 0.9 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 1.2 | PPM | | | | |
| | | Organic Vapor | 5.2 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Load Line 12
 Station : L12ss-018 Adjacent to sides of filter bed north of FJ905

Northing: 10612.00
 Easting: 146663.00
 Elevation:

L12ss-018-0327-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 1.2 | PPM | | | | |
| | | Organic Vapor | 5.2 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 9180 | MG/KG | * | = | | | |
| REG | Arsenic | 10.5 | MG/KG | | = | | | |
| REG | Barium | 61.7 | MG/KG | * | = | | | |
| REG | Cadmium | 0.17 | MG/KG | B* | J | F06 | | |
| REG | Chromium | 11.5 | MG/KG | * | = | | | |
| REG | Lead | 17.5 | MG/KG | * | = | | | |
| REG | Manganese | 129 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | * | = | | | |
| REG | Selenium | 0.45 | MG/KG | B | J | F06 | | |
| REG | Silver | 0.2 | MG/KG | U* | U | | | |
| REG | Zinc | 41.9 | MG/KG | * | = | | | |

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

Location: Load Line 12
 Station : L12ss-019 Adjacent to sides of filter bed north of FJ905

Northing: 10621.00
 Easting: 146629.00
 Elevation:

L12ss-019-0328-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.25 | MG/KG | BN | J | I02 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8460 | MG/KG | * | J | F10 | | |
| REG | Antimony | 0.34 | MG/KG | UN* | J | I02 | | |
| REG | Arsenic | 10.4 | MG/KG | | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12ss-019 Adjacent to sides of filter bed north of FJ905

Northing: 10621.00
 Easting: 146629.00
 Elevation:

L12ss-019-0328-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Barium | 61.9 | MG/KG | N* | J | I02 | |
| REG | Beryllium | 0.55 | MG/KG | * | = | | |
| REG | Cadmium | 0.25 | MG/KG | B* | = | | |
| REG | Calcium | 3140 | MG/KG | N* | J | I02 | |
| REG | Chromium | 17.1 | MG/KG | * | = | | |
| REG | Cobalt | 5.8 | MG/KG | * | = | | |
| REG | Copper | 15.5 | MG/KG | N* | J | I02 | |
| REG | Iron | 16900 | MG/KG | * | = | | |
| REG | Lead | 29.5 | MG/KG | | = | | |
| REG | Magnesium | 1720 | MG/KG | N* | J | I02 | |
| REG | Manganese | 215 | MG/KG | * | = | | |
| REG | Mercury | 0.06 | MG/KG | | = | | |
| REG | Nickel | 21 | MG/KG | * | = | | |
| REG | Potassium | 853 | MG/KG | N | J | I02 | |
| REG | Selenium | 0.34 | MG/KG | B | = | | |
| REG | Silver | 0.22 | MG/KG | U* | = | | |
| REG | Sodium | 167 | MG/KG | BN | J | I02 | |
| REG | Thallium | 0.91 | MG/KG | * | = | | |
| REG | Vanadium | 13.3 | MG/KG | * | = | | |
| REG | Zinc | 62.2 | MG/KG | N | J | I02 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.8 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.8 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.8 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.5 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.5 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.5 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 38 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 76 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 76 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.5 | UG/KG | U | U | | |
| REG | Dieldrin | 2.8 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.5 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.8 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.8 | UG/KG | U | U | | |
| REG | Endrin | 4.7 | UG/KG | P | J | M08 | |
| REG | Endrin Aldehyde | 2.8 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.8 | UG/KG | U | UJ | C08 | |
| REG | Gamma Chlordane | 1.5 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-019 Adjacent to sides of filter bed north of FJ905

Northing: 10621.00
 Easting: 146629.00
 Elevation:

L12ss-019-0328-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Gamma-BHC (Lindane) | 1.5 | UG/KG | U | U | | |
| REG | Heptachlor | 1.9 | UG/KG | P | J | M08 | |
| REG | Heptachlor Epoxide | 1.5 | UG/KG | U | U | | |
| REG | Methoxychlor | 15 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 94 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 380 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 380 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 380 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 380 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 380 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 910 | 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-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 | | |
| REG | 2-Nitrophenol | 380 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 910 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 910 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 380 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 380 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 380 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 380 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 380 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 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 | 240 | UG/KG | J | J | | |
| REG | Benzo(a)pyrene | 240 | UG/KG | J | J | | |
| REG | Benzo(b)fluoranthene | 290 | UG/KG | J | J | | |
| REG | Benzo(g,h,i)perylene | 160 | UG/KG | J | J | | |
| REG | Benzo(k)fluoranthene | 170 | UG/KG | J | J | | |
| REG | Bis(2-chloroethoxy)methane | 380 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 380 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 380 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 380 | UG/KG | U | U | | |
| REG | Carbazole | 380 | UG/KG | U | U | | |
| REG | Chrysene | 240 | UG/KG | J | J | | |
| REG | Di-n-butyl Phthalate | 380 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 380 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 66 | 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 | 470 | UG/KG | | = | | |
| 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 | 130 | UG/KG | J | J | | |
| REG | Isophorone | 380 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-019 Adjacent to sides of filter bed north of FJ905

Northing: 10621.00
 Easting: 146629.00
 Elevation:

L12ss-019-0328-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | N-Nitroso-di-n-propylamine | 380 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 380 | UG/KG | U | U | | |
| REG | Naphthalene | 380 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 910 | UG/KG | U | U | | |
| REG | Phenanthrene | 140 | UG/KG | J | J | | |
| REG | Phenol | 380 | UG/KG | U | U | | |
| REG | Pyrene | 380 | UG/KG | = | = | | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Butanone | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 2-Hexanone | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Acetone | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Benzene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromodichloromethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromoform | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Bromomethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Disulfide | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Chlorobenzene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02,G02,K01 | |
| REG | Chloroform | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Chloromethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Dibromochloromethane | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Ethylbenzene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Methylene Chloride | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Styrene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Tetrachloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Toluene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Trichloroethene | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Vinyl Chloride | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | Xylenes, Total | 6 | UG/KG | U | UJ | G02,K01 | |
| REG | o-Xylene | 6 | UG/KG | U | UJ | G02,K01 | |

Location: Load Line 12
 Station : L12ss-020 Adjacent to sides of filter bed north of FJ905

Northing: 10639.00
 Easting: 146684.00
 Elevation:

L12ss-020-0329-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7210 | MG/KG | * | = | | |
| REG | Arsenic | 7.8 | MG/KG | | = | | |
| REG | Barium | 51.5 | MG/KG | * | = | | |
| REG | Cadmium | 0.09 | MG/KG | B* | J | F06 | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-020 Adjacent to sides of filter bed north of FJ905

Northing: 10639.00
 Easting: 146684.00
 Elevation:

L12ss-020-0329-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/25/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Chromium | 9.4 | MG/KG | * | = | | |
| REG | Lead | 13.2 | MG/KG | * | = | | |
| REG | Manganese | 42.7 | MG/KG | * | = | | |
| REG | Mercury | 0.03 | MG/KG | U* | U | | |
| REG | Selenium | 0.34 | MG/KG | B | J | F06 | |
| REG | Silver | 0.2 | MG/KG | U* | U | | |
| REG | Zinc | 40.7 | MG/KG | * | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 450 | UG/KG | | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 12
 Station : L12ss-021 Adjacent to sides of filter bed north of FJ905

Northing: 10674.00
 Easting: 146636.00
 Elevation:

L12ss-021-0330-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/26/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7920 | MG/KG | | = | | |
| REG | Arsenic | 8.1 | MG/KG | * | J | J04 | |
| REG | Barium | 63.6 | MG/KG | | = | | |
| REG | Cadmium | 0.08 | MG/KG | B | J | F06 | |
| REG | Chromium | 10.4 | MG/KG | N | J | I01 | |
| REG | Lead | 15.3 | MG/KG | * | J | I01 | |
| REG | Manganese | 97.9 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.59 | MG/KG | | U | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 41.6 | MG/KG | N* | J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 1700 | UG/KG | | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

L12ss-021-0332-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/26/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 10200 | MG/KG | = | | |
| REG | Arsenic | 7.9 | MG/KG | * | J | J04 |
| REG | Barium | 112 | MG/KG | = | | |
| REG | Cadmium | 0.1 | MG/KG | B | J | F06 |
| REG | Chromium | 12.2 | MG/KG | N | J | I01 |
| REG | Lead | 18.3 | MG/KG | * | J | I01 |
| REG | Manganese | 128 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Selenium | 0.73 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 48.6 | MG/KG | N* | J | I01 |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 14000 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Load Line 12
Station: L12ss-040 From pad adjacent to railroad tracks

Northing: 10222.00
Easting: 147132.00
Elevation:

L12ss-040-0351-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

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

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

L12ss-040-0352-FD 0.0 - 0.8 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/27/96

| | | | |
|--------------------|-----------------|-----|-------|
| Field Measurements | Air Temperature | 77 | DEG F |
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-040 From pad adjacent to railroad tracks

Northing: 10222.00
 Easting: 147132.00
 Elevation:

L12ss-040-0352-FD 0.0 - 0.8 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | |
|--------------------|----------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Load Line 12
 Station : L12ss-041 From pad adjacent to railroad tracks

Northing: 10081.00
 Easting: 147194.00
 Elevation:

L12ss-041-0353-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | |
|--------------------|---------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cyanide | 1.6 | MG/KG | = | | | |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-----------|--------|-------|----------------|------|-----------------|--|
| REG | Aluminum | 73900 | MG/KG | = | | | |
| REG | Antimony | 5.9 | MG/KG | = | | | |
| REG | Arsenic | 5.8 | MG/KG | = | | | |
| REG | Barium | 132 | MG/KG | = | | | |
| REG | Beryllium | 1.5 | MG/KG | = | | | |
| REG | Cadmium | 3.5 | MG/KG | = | | | |
| REG | Calcium | 62200 | MG/KG | = | | | |
| REG | Chromium | 163 | MG/KG | = | | | |
| REG | Cobalt | 4.8 | MG/KG | = | | | |
| REG | Copper | 3610 | MG/KG | = | | | |
| REG | Iron | 16200 | MG/KG | = | | | |
| REG | Lead | 178 | MG/KG | = | | | |
| REG | Magnesium | 22500 | MG/KG | = | | | |
| REG | Manganese | 1760 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | |
| REG | Nickel | 199 | MG/KG | = | | | |
| REG | Potassium | 523 | MG/KG | = | | | |
| REG | Selenium | 0.8 | MG/KG | = | | | |
| REG | Silver | 2.1 | MG/KG | = | | | |
| REG | Sodium | 370 | MG/KG | = | | | |
| REG | Thallium | 4.3 | MG/KG | = | | | |
| REG | Vanadium | 26.9 | MG/KG | = | | | |
| REG | Zinc | 1030 | MG/KG | = | | | |

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|------------------------|--------|-------|----------------|------|-----------------|--|
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 39 | UG/KG | P | J | M08,G01 | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 20 | UG/KG | = | | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | UJ | C08 | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 1700 | UG/KG | = | | | |
| REG | Aroclor-1260 | 2600 | UG/KG | P | J | C08,M08 | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12ss-041 From pad adjacent to railroad tracks

Northing: 10081.00
 Easting: 147194.00
 Elevation:

L12ss-041-0353-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 110 | UG/KG | P | J | M08,M07,G01 | | |
| REG | Endrin Aldehyde | 31 | UG/KG | P | J | M08,G01 | | |
| REG | Endrin Ketone | 38 | UG/KG | P | J | M08,G01 | | |
| REG | Gamma Chlordane | 38 | UG/KG | P | J | M08,M07,G01 | | |
| REG | Gamma-BHC (Lindane) | 15 | UG/KG | P | J | M08,G01 | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | | |
| REG | Methoxychlor | 47 | UG/KG | P | J | M08,G01 | | |
| REG | Toxaphene | 86 | UG/KG | U | U | | | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-------------------------------|--------|-------|----------------|------|-----------------|--|--|
| REG | 1,2,4-Trichlorobenzene | 85 | UG/KG | J | J | | | |
| REG | 1,2-Dichlorobenzene | 690 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 690 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 690 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 690 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 690 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 690 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 690 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 690 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 690 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 260 | UG/KG | J | J | | | |
| REG | 2-Methylphenol | 690 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 690 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 690 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 690 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 690 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 690 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 690 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 690 | UG/KG | U | U | | | |
| REG | Acenaphthene | 1900 | UG/KG | = | = | | | |
| REG | Acenaphthylene | 280 | UG/KG | J | J | | | |
| REG | Anthracene | 8700 | UG/KG | = | = | | | |
| REG | Benzo(a)anthracene | 11000 | UG/KG | D | = | | | |
| REG | Benzo(a)pyrene | 9600 | UG/KG | D | = | | | |
| REG | Benzo(b)fluoranthene | 11000 | UG/KG | = | = | | | |
| REG | Benzo(g,h,i)perylene | 8500 | UG/KG | = | = | | | |
| REG | Benzo(k)fluoranthene | 14000 | UG/KG | D | = | | | |
| REG | Bis(2-chloroethoxy)methane | 690 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 690 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 690 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 690 | UG/KG | U | U | | | |
| REG | Carbazole | 1000 | UG/KG | = | = | | | |
| REG | Chrysene | 11000 | UG/KG | D | = | | | |
| REG | Di-n-butyl Phthalate | 690 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 690 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 4400 | UG/KG | = | = | | | |
| REG | Dibenzofuran | 950 | UG/KG | = | = | | | |
| REG | Diethyl Phthalate | 690 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-041 From pad adjacent to railroad tracks

Northing: 10081.00
 Easting: 147194.00
 Elevation:

L12ss-041-0353-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/27/96

Field Measurements
 Air Temperature 77 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------------------------|--------|-------|----------------|------|-----------------|
| REG | Dimethyl Phthalate | 690 | UG/KG | U | U | |
| REG | Fluoranthene | 22000 | UG/KG | D | = | |
| REG | Fluorene | 2700 | UG/KG | | = | |
| REG | Hexachlorobenzene | 690 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 690 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 690 | UG/KG | U | U | |
| REG | Hexachloroethane | 690 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 9200 | UG/KG | | = | |
| REG | Isophorone | 690 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 690 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 690 | UG/KG | U | U | |
| REG | Naphthalene | 220 | UG/KG | J | J | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | |
| REG | Phenanthrene | 13000 | UG/KG | D | = | |
| REG | Phenol | 690 | UG/KG | U | U | |
| REG | Pyrene | 19000 | UG/KG | D | = | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Benzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02,G02 |
| REG | Chloroform | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Methylene Chloride | 8 | UG/KG | B | UJ | F01,F07,G02 |
| REG | Styrene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Toluene | 7 | UG/KG | | J | G02,K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | G02,K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | G02,K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12ss-042

Locations TBD as needed based on field observation

Northing: 10965.00
Easting: 146363.00
Elevation:

L12ss-042-0354-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7740 | MG/KG | = | | | |
| REG | Arsenic | 15.1 | MG/KG | N | J | 102 | |
| REG | Barium | 97.3 | MG/KG | = | | | |
| REG | Cadmium | 0.99 | MG/KG | = | | | |
| REG | Chromium | 23.4 | MG/KG | N* | J | 102 | |
| REG | Lead | 230 | MG/KG | * | = | | |
| REG | Manganese | 361 | MG/KG | = | | | |
| REG | Mercury | 0.05 | MG/KG | N* | J | 101 | |
| REG | Selenium | 0.67 | MG/KG | N | J | 101 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 278 | MG/KG | J | | 102 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 1200 | UG/KG | P | J | M07,M08 | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 230000 | UG/KG | D | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | R | PO3 | |

Location: Load Line 12
Station : L12ss-043

Locations TBD as needed based on field observation

Northing: 11044.00
Easting: 146639.00
Elevation:

L12ss-043-0355-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 81 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 11200 | MG/KG | = | | | |
| REG | Arsenic | 14.3 | MG/KG | N | J | 102 | |
| REG | Barium | 72.7 | MG/KG | = | | | |
| REG | Cadmium | 0.17 | MG/KG | B | J | F06 | |
| REG | Chromium | 14.5 | MG/KG | N* | J | 102 | |
| REG | Lead | 14.5 | MG/KG | * | = | | |
| REG | Manganese | 579 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | UN* | UJ | 101 | |
| REG | Selenium | 0.72 | MG/KG | N | J | 101 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 56 | MG/KG | J | | 102 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 4600 | UG/KG | = | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 230000 | UG/KG | D | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-043 Locations TBD as needed based on field observation

Northing: 11044.00
 Easting: 146539.00
 Elevation:

L12ss-043-0355-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | R | P03 | | |

Location: Load Line 12
 Station : L12ss-044 Locations TBD as needed based on field observation

Northing: 10972.00
 Easting: 146378.00
 Elevation:

L12ss-044-0356-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 77 | DEG F | | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.46 | MG/KG | B | J | F06 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 4060 | MG/KG | = | = | | | |
| REG | Antimony | 0.32 | MG/KG | U | U | | | |
| REG | Arsenic | 6 | MG/KG | = | = | | | |
| REG | Barium | 59.6 | MG/KG | = | = | | | |
| REG | Beryllium | 0.27 | MG/KG | = | = | | | |
| REG | Cadmium | 0.79 | MG/KG | = | = | | | |
| REG | Calcium | 2940 | MG/KG | = | = | | | |
| REG | Chromium | 7.3 | MG/KG | = | = | | | |
| REG | Cobalt | 4.3 | MG/KG | = | = | | | |
| REG | Copper | 28.8 | MG/KG | = | = | | | |
| REG | Iron | 18600 | MG/KG | = | = | | | |
| REG | Lead | 63.9 | MG/KG | = | = | | | |
| REG | Magnesium | 937 | MG/KG | = | = | | | |
| REG | Manganese | 142 | MG/KG | = | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Nickel | 10.3 | MG/KG | = | = | | | |
| REG | Potassium | 404 | MG/KG | B | J | F06 | | |
| REG | Selenium | 0.51 | MG/KG | B | J | F06 | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Sodium | 209 | MG/KG | B | J | F06 | | |
| REG | Thallium | 0.37 | MG/KG | U | U | | | |
| REG | Vanadium | 5.7 | MG/KG | = | = | | | |
| REG | Zinc | 102 | MG/KG | = | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 140000 | UG/KG | D | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 30000 | UG/KG | P | J | M07,M08 | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 140000 | UG/KG | D | = | | | |
| REG | Tetryl | 650 | UG/KG | U | R | P03 | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-044 Locations TBD as needed based on field observation

Northing: 10972.00
 Easting: 146378.00
 Elevation:

L12ss-044-0356-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | | 81 | DEG F | | Qualifiers | | Validation |
|--------------------|-------------------------------|-----------------|-------|-----|-------|---------|------------|--|------------|
| Sample Type | Pesticides and/or PCBs | Result | Units | Lab | Data | Code | | | |
| REG | 4,4'-DDD | 2.7 | UG/KG | U | UJ | G02 | | | |
| REG | 4,4'-DDE | 2.7 | UG/KG | U | UJ | G02 | | | |
| REG | 4,4'-DDT | 2.7 | UG/KG | U | UJ | C08,G02 | | | |
| REG | Aldrin | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Aroclor-1016 | 36 | UG/KG | U | UJ | G02 | | | |
| REG | Aroclor-1221 | 36 | UG/KG | U | UJ | G02 | | | |
| REG | Aroclor-1232 | 36 | UG/KG | U | UJ | G02 | | | |
| REG | Aroclor-1242 | 36 | UG/KG | U | UJ | G02 | | | |
| REG | Aroclor-1248 | 36 | UG/KG | U | UJ | G02 | | | |
| REG | Aroclor-1254 | 73 | UG/KG | U | UJ | G02 | | | |
| REG | Aroclor-1260 | 73 | UG/KG | U | UJ | G02 | | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Dieldrin | 2.7 | UG/KG | U | UJ | G02 | | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Endosulfan II | 3.3 | UG/KG | | J | G02 | | | |
| REG | Endosulfan Sulfate | 2.7 | UG/KG | U | UJ | G02 | | | |
| REG | Endrin | 2.7 | UG/KG | U | UJ | G02 | | | |
| REG | Endrin Aldehyde | 2.7 | UG/KG | U | UJ | G02 | | | |
| REG | Endrin Ketone | 2.7 | UG/KG | U | UJ | G02 | | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Heptachlor | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | UJ | G02 | | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08,G02 | | | |
| REG | Toxaphene | 90 | UG/KG | U | UJ | G02 | | | |
| | | | | | | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Lab | Data | Code | | | |
| REG | 1,2,4-Trichlorobenzene | 720 | UG/KG | U | U | | | | |
| REG | 1,2-Dichlorobenzene | 720 | UG/KG | U | U | | | | |
| REG | 1,3-Dichlorobenzene | 720 | UG/KG | U | U | | | | |
| REG | 1,4-Dichlorobenzene | 720 | UG/KG | U | U | | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 720 | UG/KG | U | U | | | | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | | | | |
| REG | 2,4,6-Trichlorophenol | 720 | UG/KG | U | U | | | | |
| REG | 2,4-Dichlorophenol | 720 | UG/KG | U | U | | | | |
| REG | 2,4-Dimethylphenol | 720 | UG/KG | U | U | | | | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | | | | |
| REG | 2-Chloronaphthalene | 720 | UG/KG | U | U | | | | |
| REG | 2-Chlorophenol | 720 | UG/KG | U | U | | | | |
| REG | 2-Methylnaphthalene | 110 | UG/KG | J | J | | | | |
| REG | 2-Methylphenol | 720 | UG/KG | U | U | | | | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | | | | |
| REG | 2-Nitrophenol | 720 | UG/KG | U | U | | | | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | | | | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | | | | |
| REG | 4,6-Dinitro-o-Cresol | 720 | UG/KG | U | U | | | | |
| REG | 4-Bromophenyl-phenyl Ether | 720 | UG/KG | U | U | | | | |
| REG | 4-Chloroaniline | 720 | UG/KG | U | U | | | | |
| REG | 4-Chlorophenyl-phenylether | 720 | UG/KG | U | U | | | | |
| REG | 4-Methylphenol | 720 | UG/KG | U | U | | | | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | | | | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | | | | |
| REG | 4-chloro-3-methylphenol | 720 | UG/KG | U | U | | | | |
| REG | Acenaphthene | 840 | UG/KG | | = | | | | |
| REG | Acenaphthylene | 720 | UG/KG | U | U | | | | |
| REG | Anthracene | 1800 | UG/KG | | = | | | | |
| REG | Benzo(a)anthracene | 2700 | UG/KG | | = | | | | |
| REG | Benzo(a)pyrene | 3100 | UG/KG | | = | | | | |
| REG | Benzo(b)fluoranthene | 2600 | UG/KG | | = | | | | |
| REG | Benzo(g,h,i)perylene | 1700 | UG/KG | | = | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-044 Locations TBD as needed based on field observation

Northing: 10972.00
 Easting: 146378.00
 Elevation:

L12ss-044-0356-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 81 | DEG F | Qualifiers | | Validation |
|--------------------|----------------------------|-----------------|-------|-------|------------|---------|------------|
| Sample Type | Semi-Volatile Organics | Result | Units | Lab | Data | Code | |
| REG | Benzo(k)fluoranthene | 2700 | UG/KG | | = | | |
| REG | Bis(2-chloroethoxy)methane | 720 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 720 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 220 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Carbazole | 860 | UG/KG | | = | | |
| REG | Chrysene | 3100 | UG/KG | | = | | |
| REG | Di-n-butyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 900 | UG/KG | | = | | |
| REG | Dibenzofuran | 620 | UG/KG | J | J | | |
| REG | Diethyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 720 | UG/KG | U | U | | |
| REG | Fluoranthene | 8000 | UG/KG | | = | | |
| REG | Fluorene | 1000 | UG/KG | | = | | |
| REG | Hexachlorobenzene | 720 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 720 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 720 | UG/KG | U | U | | |
| REG | Hexachloroethane | 720 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 2100 | UG/KG | | = | | |
| REG | Isophorone | 720 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 720 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 720 | UG/KG | U | U | | |
| REG | Naphthalene | 270 | UG/KG | J | J | | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | | |
| REG | Phenanthrene | 6900 | UG/KG | | = | | |
| REG | Phenol | 720 | UG/KG | U | U | | |
| REG | Pyrene | 5400 | UG/KG | | = | | |
| Sample Type | Volatile Organics | Result | Units | Lab | Data | Code | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05 | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | C05 | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05 | |
| REG | Benzene | 5 | UG/KG | U | U | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | |
| REG | Bromoform | 5 | UG/KG | U | U | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | |
| REG | Chloroform | 5 | UG/KG | U | U | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | |
| REG | Methylene Chloride | 5 | UG/KG | U | U | | |
| REG | Styrene | 5 | UG/KG | U | U | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | |
| REG | Toluene | 5 | UG/KG | U | U | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station : L12ss-044 Locations TBD as needed based on field observation

Northing: 10972.00
 Easting: 146378.00
 Elevation:

L12ss-044-0356-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 81 | DEG F | | | |
|--------------------|----------------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Volatiles | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | |

Location: Load Line 12
 Station : L12ss-045 Locations TBD as needed based on field observation

Northing: 11053.00
 Easting: 146348.00
 Elevation:

L12ss-045-0357-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/29/96

| Field Measurements | | Air Temperature | 81 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 4820 | MG/KG | = | | | |
| REG | Arsenic | 8.8 | MG/KG | N | J | I02 | |
| REG | Barium | 31.7 | MG/KG | = | | | |
| REG | Cadmium | 0.42 | MG/KG | B | J | F06 | |
| REG | Chromium | 7.6 | MG/KG | N* | J | I02 | |
| REG | Lead | 25.9 | MG/KG | * | = | | |
| REG | Manganese | 225 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | UN* | UJ | I01 | |
| REG | Selenium | 0.39 | MG/KG | BN | J | I01 | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 67.2 | MG/KG | | J | I02 | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 18000 | UG/KG | D | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 27000 | UG/KG | = | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 300000 | UG/KG | D | = | | |
| REG | Tetryl | 650 | UG/KG | U | R | P04 | |

Location: Load Line 12
 Station : L12ss-047 Near Ejector Station #3

Northing: 11635.00
 Easting: 146540.00
 Elevation:

L12ss-047-0359-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10600 | MG/KG | = | | | |
| REG | Arsenic | 12.1 | MG/KG | * | = | | |
| REG | Barium | 62.2 | MG/KG | = | | | |
| REG | Cadmium | 0.28 | MG/KG | B | U | F01 | |
| REG | Chromium | 11.7 | MG/KG | * | = | | |
| REG | Lead | 22.2 | MG/KG | = | | | |
| REG | Manganese | 947 | MG/KG | N | J | I02 | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.9 | MG/KG | = | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 85.5 | MG/KG | * | = | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
Station : L12ss-049 TBD - Near FE-17 Steam Plant

L12ss-049-0361-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/21/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | UJ | H02,P02 | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | H02,P02 | | |

Location: Load Line 12
Station : L12ss-050 Near drum under deck near Bldg. FJ903

Northing: 11444.00
Easting: 146210.00
Elevation:

L12ss-050-0362-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.45 | MG/KG | B | U | F01 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 11400 | MG/KG | | = | | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | | |
| REG | Arsenic | 14.2 | MG/KG | | = | | | |
| REG | Barium | 89.1 | MG/KG | | = | | | |
| REG | Beryllium | 0.79 | MG/KG | | = | | | |
| REG | Cadmium | 0.13 | MG/KG | B | U | F01 | | |
| REG | Calcium | 9230 | MG/KG | | = | | | |
| REG | Chromium | 13.7 | MG/KG | | = | | | |
| REG | Cobalt | 11.4 | MG/KG | | = | | | |
| REG | Copper | 18.6 | MG/KG | | = | | | |
| REG | Iron | 22900 | MG/KG | | = | | | |
| REG | Lead | 20 | MG/KG | | = | | | |
| REG | Magnesium | 3630 | MG/KG | | = | | | |
| REG | Manganese | 481 | MG/KG | | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Nickel | 22.1 | MG/KG | | = | | | |
| REG | Potassium | 1110 | MG/KG | | = | | | |
| REG | Selenium | 1.4 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 225 | MG/KG | B | J | F06 | | |
| REG | Thallium | 3 | MG/KG | | = | | | |
| REG | Vanadium | 16.1 | MG/KG | | = | | | |
| REG | Zinc | 58.9 | MG/KG | | = | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 3.5 | UG/KG | P | J | C08,M08 | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 R1

Location: Load Line 12
 Station : L12ss-050 Near drum under deck near Bldg. FJ903

Northing: 11444.00
 Easting: 146210.00
 Elevation:

L12ss-050-0362-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | |
| REG | Methoxychlor | 13 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | UJ | C05 | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | |
| REG | Anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 140 | UG/KG | J | J | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Load Line 12
 Station: L12ss-050 Near drum under deck near Bldg. FJ903

Northing: 11444.00
 Easting: 146210.00
 Elevation:

L12ss-050-0362-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/20/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Carbazole | 340 | UG/KG | U | U | | | |
| REG | Chrysene | 340 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Fluoranthene | 340 | UG/KG | U | U | | | |
| REG | Fluorene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | UJ | C05 | | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | | | |
| REG | Isophorone | 340 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | | | |
| REG | Phenanthrene | 340 | UG/KG | U | U | | | |
| REG | Phenol | 340 | UG/KG | U | U | | | |
| REG | Pyrene | 340 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station: WBGSS-032 Pad #37 adjacent to burning pad outside of RCRA ar

Northing: 15871.00
Easting: 137411.00
Elevation:

WBGss-032-0489-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 30400 | MG/KG | * | = | | | |
| REG | Arsenic | 2.5 | MG/KG | N | J | 102 | | |
| REG | Barium | 466 | MG/KG | * | = | | | |
| REG | Cadmium | 26.8 | MG/KG | | = | | | |
| REG | Chromium | 37.6 | MG/KG | * | = | | | |
| REG | Lead | 23.8 | MG/KG | N | J | 102 | | |
| REG | Manganese | 2580 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | | |
| REG | Selenium | 2.4 | MG/KG | | = | | | |
| REG | Silver | 1.5 | MG/KG | | = | | | |
| REG | Zinc | 315 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
Station: WBGSS-033

Northing: 15836.00
Easting: 137470.00
Elevation:

WBGss-033-0490-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 10700 | MG/KG | * | = | | | |
| REG | Arsenic | 14.7 | MG/KG | N | J | 102 | | |
| REG | Barium | 93.3 | MG/KG | N* | J | 102 | | |
| REG | Cadmium | 6.7 | MG/KG | * | J | 101 | | |
| REG | Chromium | 16.9 | MG/KG | N* | J | 102 | | |
| REG | Lead | 436 | MG/KG | * | = | | | |
| REG | Manganese | 637 | MG/KG | * | = | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.91 | MG/KG | N | J | 102 | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 248 | MG/KG | * | J | 101 | | |

Location: Winklepeck Burning Ground
Station: WBGss-001 Pad #1 center of burn area

Northing: 16107.00
Easting: 133117.00
Elevation:

WBGss-001-0456-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 95 | DEG F | | | | |
|--------------------|--------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-001 Pad #1 center of burn area

Northing: 15107.00
 Easting: 133117.00
 Elevation:

WBGss-001-0456-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 95 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 10100 | MG/KG | = | | | | |
| REG | Arsenic | 11 | MG/KG | = | | | | |
| REG | Barium | 48.5 | MG/KG | = | | | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | | |
| REG | Chromium | 13.2 | MG/KG | = | | | | |
| REG | Lead | 11 | MG/KG | = | | | | |
| REG | Manganese | 299 | MG/KG | = | | | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.82 | MG/KG | = | | | | |
| REG | Silver | 0.19 | MG/KG | U | U | | | |
| REG | Zinc | 46.6 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
 Station : WBGss-002 Pad #2 center of burn area

Northing: 15113.00
 Easting: 133512.00
 Elevation:

WBGss-002-0457-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Background | 0.0 | PPM | | | | |
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 10600 | MG/KG | = | | | | |
| REG | Arsenic | 14.2 | MG/KG | = | | | | |
| REG | Barium | 53.4 | MG/KG | = | | | | |
| REG | Cadmium | 0.05 | MG/KG | U | U | | | |
| REG | Chromium | 14.4 | MG/KG | = | | | | |
| REG | Lead | 14.7 | MG/KG | = | | | | |
| REG | Manganese | 275 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 1 | MG/KG | = | | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 57.5 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-002 Pad #2 center of burn area

Northing: 15113.00
 Easting: 133512.00
 Elevation:

WBGss-002-0457-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 78 | DEG F | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|
| | | Background | 0.0 | PPM | | |
| | | Head Space | 0.0 | PPM | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Winklepeck Burning Ground
 Station : WBGss-003 Pad #3 center of burn area

Northing: 15115.00
 Easting: 133925.00
 Elevation:

WBGss-003-0458-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 78 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Background | 0.0 | PPM | | |
| | | Head Space | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 9000 | MG/KG | = | | |
| REG | Arsenic | 16.4 | MG/KG | = | | |
| REG | Barium | 30 | MG/KG | = | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | |
| REG | Chromium | 10.4 | MG/KG | = | | |
| REG | Lead | 12.8 | MG/KG | = | | |
| REG | Manganese | 342 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.79 | MG/KG | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 56.7 | MG/KG | = | | |

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

Location: Winklepeck Burning Ground
 Station : WBGss-004 Pad #4 center of burn area

Northing: 15103.00
 Easting: 134354.00
 Elevation:

WBGss-004-0459-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Background | 0.0 | PPM | | |
| | | Head Space | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 1410 | MG/KG | = | | |
| REG | Arsenic | 21.3 | MG/KG | N* | J | I01 |
| REG | Barium | 11.7 | MG/KG | = | | |
| REG | Cadmium | 0.15 | MG/KG | B | J | F06 |
| REG | Chromium | 5.4 | MG/KG | = | | |
| REG | Lead | 21.1 | MG/KG | * | = | |
| REG | Manganese | 65.4 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-004 Pad #4 center of burn area

Northing: 15103.00
 Easting: 134354.00
 Elevation:

WBGss-004-0459-SO 0.0 - 0.7 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 2.0 | PPM | | |
| | | Organic Vapor | 1.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Selenium | 1 | MG/KG | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 28.6 | MG/KG | N* | = | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 230 | UG/KG | J | J | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 |

WBGss-004-0672-SO 0.0 - 0.6 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 2.0 | PPM | | |
| | | Organic Vapor | 1.0 | PPM | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | UJ | K01 |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 6 | UG/KG | U | UJ | K01 |
| REG | 2-Hexanone | 6 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | UJ | K01 |
| REG | Acetone | 6 | UG/KG | U | UJ | C05,K01 |
| REG | Benzene | 6 | UG/KG | U | UJ | K01 |
| REG | Bromodichloromethane | 6 | UG/KG | U | UJ | K01 |
| REG | Bromoform | 6 | UG/KG | U | UJ | K01 |
| REG | Bromomethane | 6 | UG/KG | U | UJ | K01 |
| REG | Carbon Disulfide | 6 | UG/KG | U | UJ | K01 |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | UJ | K01 |
| REG | Chlorobenzene | 6 | UG/KG | U | UJ | K01 |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02,K01 |
| REG | Chloroform | 3 | UG/KG | J | J | K01 |
| REG | Chloromethane | 6 | UG/KG | U | UJ | K01 |
| REG | Dibromochloromethane | 6 | UG/KG | U | UJ | K01 |
| REG | Ethylbenzene | 6 | UG/KG | U | UJ | K01 |
| REG | Methylene Chloride | 12 | UG/KG | B | UJ | F01,F07,K01 |
| REG | Styrene | 6 | UG/KG | U | UJ | K01 |
| REG | Tetrachloroethene | 6 | UG/KG | U | UJ | K01 |
| REG | Toluene | 6 | UG/KG | U | UJ | K01 |
| REG | Trichloroethene | 6 | UG/KG | U | UJ | K01 |
| REG | Vinyl Chloride | 6 | UG/KG | U | UJ | K01 |
| REG | Xylenes, Total | 6 | UG/KG | U | UJ | K01 |
| REG | o-Xylene | 6 | UG/KG | U | UJ | K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-005 Pad #5 center of burn area

Northing: 15111.00
 Easting: 134751.00
 Elevation:

WBGss-005-0460-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 7570 | MG/KG | = | | |
| REG | Arsenic | 20.4 | MG/KG | N* | J | I01 |
| REG | Barium | 24 | MG/KG | = | | |
| REG | Cadmium | 0.06 | MG/KG | B | J | F06 |
| REG | Chromium | 8.8 | MG/KG | = | | |
| REG | Lead | 12.4 | MG/KG | * | = | |
| REG | Manganese | 269 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 1.6 | MG/KG | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 51.4 | MG/KG | N* | = | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 1100 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 |

Location: Winklepeck Burning Ground
 Station : WBGss-006 Pad #6 center of burn area

Northing: 15105.00
 Easting: 135156.00
 Elevation:

WBGss-006-0461-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Result | Units |
|--------------------|--|--------|-------|
| Air Temperature | | 75 | DEG F |
| Head Space | | 0.0 | PPM |
| Organic Vapor | | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 10400 | MG/KG | = | | |
| REG | Arsenic | 16.5 | MG/KG | N* | J | I01 |
| REG | Barium | 59.6 | MG/KG | = | | |
| REG | Cadmium | 0.43 | MG/KG | B | J | F06 |
| REG | Chromium | 12.4 | MG/KG | = | | |
| REG | Lead | 18.4 | MG/KG | * | = | |
| REG | Manganese | 334 | MG/KG | * | = | |
| REG | Mercury | 0.25 | MG/KG | = | | |
| REG | Selenium | 1.5 | MG/KG | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 56.8 | MG/KG | N* | = | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 2700 | UG/KG | = | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-006 Pad #6 center of burn area

Northing: 15105.00
 Easting: 135156.00
 Elevation:

WBGss-006-0461-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 | | |

Location: Winklepeck Burning Ground
 Station : WBGss-007 Pad #7 center of burn area

Northing: 15110.00
 Easting: 135544.00
 Elevation:

WBGss-007-0462-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8070 | MG/KG | = | | | | |
| REG | Arsenic | 14.3 | MG/KG | N* | J | I01 | | |
| REG | Barium | 32.2 | MG/KG | = | | | | |
| REG | Cadmium | 0.07 | MG/KG | B | J | F06 | | |
| REG | Chromium | 9.5 | MG/KG | = | | | | |
| REG | Lead | 14 | MG/KG | * | = | | | |
| REG | Manganese | 307 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 1.4 | MG/KG | = | | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 48.7 | MG/KG | N* | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 340 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 | | |

Location: Winklepeck Burning Ground
 Station : WBGss-008 Pad #8 center of burn area

Northing: 15115.00
 Easting: 135932.00
 Elevation:

WBGss-008-0463-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.59 | MG/KG | = | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8420 | MG/KG | = | | | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | | |
| REG | Arsenic | 16.7 | MG/KG | = | | | | |
| REG | Barium | 45.2 | MG/KG | = | | | | |
| REG | Beryllium | 0.65 | MG/KG | = | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-008 Pad #8 center of burn area

Northing: 15115.00
 Easting: 135932.00
 Elevation:

WBGss-008-0463-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 550.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Cadmium | 0.13 | MG/KG | B | J | F06 | |
| REG | Calcium | 2330 | MG/KG | | = | | |
| REG | Chromium | 9.8 | MG/KG | | = | | |
| REG | Cobalt | 8.9 | MG/KG | | = | | |
| REG | Copper | 14.4 | MG/KG | | = | | |
| REG | Iron | 22600 | MG/KG | | = | | |
| REG | Lead | 15.7 | MG/KG | | = | | |
| REG | Magnesium | 1480 | MG/KG | | = | | |
| REG | Manganese | 639 | MG/KG | | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Nickel | 13 | MG/KG | | = | | |
| REG | Potassium | 493 | MG/KG | B | J | F06 | |
| REG | Selenium | 2.1 | MG/KG | | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Sodium | 168 | MG/KG | B | J | F06 | |
| REG | Thallium | 3.1 | MG/KG | | = | | |
| REG | Vanadium | 16 | MG/KG | | = | | |
| REG | Zinc | 41.8 | MG/KG | | = | | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|------------------------|--------|-------|----------------|------|-----------------|--|
| REG | 4,4'-DDD | 2.6 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.4 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-008 Pad #8 center of burn area

Northing: 15115.00
 Easting: 135932.00
 Elevation:

WBGss-008-0463-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 550.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | | |
| REG | Methoxychlor | 14 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 86 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 690 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 690 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 690 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 690 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 690 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 1700 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 690 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 690 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 690 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 1700 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 690 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 690 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 80 | UG/KG | J | J | | |
| REG | 2-Methylphenol | 690 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 690 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 1700 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 690 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 690 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 690 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 690 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 690 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 1700 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 1700 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 690 | UG/KG | U | U | | |
| REG | Acenaphthene | 690 | UG/KG | U | U | | |
| REG | Acenaphthylene | 690 | UG/KG | U | U | | |
| REG | Anthracene | 690 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 690 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 690 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 690 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 690 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 690 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 690 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 690 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 690 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 690 | UG/KG | U | U | | |
| REG | Carbazole | 690 | UG/KG | U | U | | |
| REG | Chrysene | 690 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 690 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 690 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 690 | UG/KG | U | U | | |
| REG | Dibenzofuran | 690 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 690 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 690 | UG/KG | U | U | | |
| REG | Fluoranthene | 690 | UG/KG | U | U | | |
| REG | Fluorene | 690 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 690 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 690 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 690 | UG/KG | U | U | | |
| REG | Hexachloroethane | 690 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 690 | UG/KG | U | U | | |
| REG | Isophorone | 690 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 690 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 690 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-008 Pad #8 center of burn area

Northing: 15115.00
Easting: 135932.00
Elevation:

WBGss-008-0463-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/30/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 550.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Naphthalene | 76 | UG/KG | J | J | | |
| REG | Pentachlorophenol | 1700 | UG/KG | U | U | | |
| REG | Phenanthrene | 70 | UG/KG | J | J | | |
| REG | Phenol | 690 | UG/KG | U | U | | |
| REG | Pyrene | 690 | UG/KG | U | U | | |

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

Location: Winklepeck Burning Ground
Station : WBGss-009 Pad #14 center of burn area

Northing: 15459.00
Easting: 133347.00
Elevation:

WBGss-009-0464-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 550.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9880 | MG/KG | = | = | | |
| REG | Arsenic | 12.6 | MG/KG | = | = | | |
| REG | Barium | 52.6 | MG/KG | = | = | | |
| REG | Cadmium | 0.47 | MG/KG | BN | U | F01 | |
| REG | Chromium | 13.9 | MG/KG | = | = | | |
| REG | Lead | 13.4 | MG/KG | * | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station: WBGss-009 Pad #14 center of burn area

Northing: 15459.00
Easting: 133347.00
Elevation:

WBGss-009-0464-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Manganese | 396 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.7 | MG/KG | N | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 54.4 | MG/KG | E | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
Station: WBGss-010 Pad #15 center of burn area

Northing: 15463.00
Easting: 133821.00
Elevation:

WBGss-010-0465-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9030 | MG/KG | = | | | |
| REG | Arsenic | 15.3 | MG/KG | = | | | |
| REG | Barium | 53 | MG/KG | = | | | |
| REG | Cadmium | 0.05 | MG/KG | UN | U | F01 | |
| REG | Chromium | 11.4 | MG/KG | = | | | |
| REG | Lead | 17.7 | MG/KG | * | = | | |
| REG | Manganese | 1120 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.1 | MG/KG | N | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 37.8 | MG/KG | E | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-011 Pad #16 center of burn area

Northing: 15467.00
 Easting: 134251.00
 Elevation:

WBGss-011-0466-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 11400 | MG/KG | = | | | | |
| REG | Arsenic | 14 | MG/KG | = | | | | |
| REG | Barium | 46.9 | MG/KG | = | | | | |
| REG | Cadmium | 0.05 | MG/KG | UN | U | F01 | | |
| REG | Chromium | 13.3 | MG/KG | = | | | | |
| REG | Lead | 17.1 | MG/KG | * | = | | | |
| REG | Manganese | 278 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 1.1 | MG/KG | N | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 51 | MG/KG | E | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
 Station : WBGss-012 Pad #17 center of burn area

Northing: 15470.00
 Easting: 134640.00
 Elevation:

WBGss-012-0467-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 14000 | MG/KG | = | | | | |
| REG | Arsenic | 11.1 | MG/KG | = | | | | |
| REG | Barium | 59.1 | MG/KG | = | | | | |
| REG | Cadmium | 0.05 | MG/KG | UN | U | F01 | | |
| REG | Chromium | 16.1 | MG/KG | = | | | | |
| REG | Lead | 15.9 | MG/KG | * | = | | | |
| REG | Manganese | 201 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.4 | MG/KG | BN | J | F06 | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 54.3 | MG/KG | E | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-012 Pad #17 center of burn area

Northing: 15470.00
 Easting: 134640.00
 Elevation:

WBGss-012-0467-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
 Station : WBGss-013 Pad #18 center of burn area

Northing: 15473.00
 Easting: 135033.00
 Elevation:

WBGss-013-0468-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10400 | MG/KG | = | | | |
| REG | Arsenic | 15 | MG/KG | = | | | |
| REG | Barium | 81 | MG/KG | = | | | |
| REG | Cadmium | 0.1 | MG/KG | BN | U | F01 | |
| REG | Chromium | 12.9 | MG/KG | = | | | |
| REG | Lead | 15.6 | MG/KG | * | = | | |
| REG | Manganese | 613 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.96 | MG/KG | N | = | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 49 | MG/KG | E | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
 Station : WBGss-014 Pad #19 adjacent to igloo

Northing: 15480.00
 Easting: 135430.00
 Elevation:

WBGss-014-0469-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8090 | MG/KG | = | | | |
| REG | Arsenic | 12 | MG/KG | N | = | | |
| REG | Barium | 34.8 | MG/KG | N* | = | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | | |
| REG | Chromium | 8.5 | MG/KG | = | | | |
| REG | Lead | 12.7 | MG/KG | * | = | | |
| REG | Manganese | 453 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.33 | MG/KG | UN | U | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 39 | MG/KG | = | | | |

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

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

Location: Winklepeck Burning Ground
 Station : WBGss-015 Pad #20 center of burn area

Northing: 15485.00
 Easting: 135812.00
 Elevation:

WBGss-015-0470-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | Air Temperature | 90 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 11800 | MG/KG | = | | |
| REG | Arsenic | 14 | MG/KG | = | | |
| REG | Barium | 57.9 | MG/KG | = | | |
| REG | Cadmium | 0.19 | MG/KG | BN | U | F01 |
| REG | Chromium | 14.8 | MG/KG | = | | |
| REG | Lead | 18.9 | MG/KG | * | = | |
| REG | Manganese | 411 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 1.4 | MG/KG | N | = | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 50.5 | MG/KG | E | = | |

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

Location: Winklepeck Burning Ground
 Station : WBGss-016 Pad #23 center of burn area

Northing: 15496.00
 Easting: 137503.00
 Elevation:

WBGss-016-0471-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 10300 | MG/KG | * | = | |
| REG | Arsenic | 11 | MG/KG | N | J | 102 |
| REG | Barium | 74 | MG/KG | N* | J | 102 |
| REG | Cadmium | 0.34 | MG/KG | B* | J | 101 |
| REG | Chromium | 10.8 | MG/KG | N* | J | 102 |
| REG | Lead | 13.7 | MG/KG | * | = | |
| REG | Manganese | 464 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.44 | MG/KG | BN | J | 102 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-016 Pad #23 center of burn area

Northing: 15496.00
Easting: 137503.00
Elevation:

WBGss-016-0471-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 51.5 | MG/KG | * | J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
Station : WBGss-017 Pad #24 center of burn area

Northing: 15499.00
Easting: 137853.00
Elevation:

WBGss-017-0472-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 11500 | MG/KG | * | = | | |
| REG | Arsenic | 13.7 | MG/KG | N | J | I02 | |
| REG | Barium | 54.8 | MG/KG | N* | J | I02 | |
| REG | Cadmium | 0.22 | MG/KG | B* | J | I01 | |
| REG | Chromium | 14.1 | MG/KG | N* | J | I02 | |
| REG | Lead | 11.4 | MG/KG | * | = | | |
| REG | Manganese | 206 | MG/KG | * | = | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | |
| REG | Selenium | 0.69 | MG/KG | N | J | I02 | |
| REG | Silver | 0.19 | MG/KG | U | U | | |
| REG | Zinc | 45.2 | MG/KG | * | J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-018 Pad #25 center of burn area

Northing: 15503.00
Easting: 138195.00
Elevation:

WBGss-018-0473-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 8250 | MG/KG | * | = | | |
| REG | Arsenic | 12.3 | MG/KG | N | J | I02 | |
| REG | Barium | 47.6 | MG/KG | N* | J | I02 | |
| REG | Cadmium | 0.34 | MG/KG | B* | J | I01 | |
| REG | Chromium | 10.2 | MG/KG | N* | J | I02 | |
| REG | Lead | 15.1 | MG/KG | * | = | | |
| REG | Manganese | 301 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.55 | MG/KG | N | J | I02 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 36 | MG/KG | * | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
Station : WBGss-019 Pad #26 center of burn area

Northing: 15505.00
Easting: 138558.00
Elevation:

WBGss-019-0474-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 9490 | MG/KG | * | = | | |
| REG | Arsenic | 12.5 | MG/KG | N | J | I02 | |
| REG | Barium | 31.2 | MG/KG | N* | J | I02 | |
| REG | Cadmium | 0.2 | MG/KG | B* | J | I01 | |
| REG | Chromium | 10.3 | MG/KG | N* | J | I02 | |
| REG | Lead | 12.5 | MG/KG | * | = | | |
| REG | Manganese | 223 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.88 | MG/KG | N | J | I02 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 45.4 | MG/KG | * | J | I01 | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-019 Pad #26 center of burn area

Northing: 15505.00
Easting: 138558.00
Elevation:

WBGss-019-0474-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

WBGss-019-0475-FD 0.0 - 1.5 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 9520 | MG/KG | * | = | | | |
| REG | Arsenic | 11.2 | MG/KG | N | J | I02 | | |
| REG | Barium | 30.6 | MG/KG | N* | J | I02 | | |
| REG | Cadmium | 0.18 | MG/KG | B* | J | I01 | | |
| REG | Chromium | 9.8 | MG/KG | N* | J | I02 | | |
| REG | Lead | 12.6 | MG/KG | * | = | | | |
| REG | Manganese | 233 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.78 | MG/KG | N | J | I02 | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 45.2 | MG/KG | * | J | I01 | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
Station : WBGss-020 Pad #27 center of burn area

Northing: 15785.00
Easting: 133255.00
Elevation:

WBGss-020-0477-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 11400 | MG/KG | | = | | | |
| REG | Arsenic | 12.9 | MG/KG | | = | | | |
| REG | Barium | 75.7 | MG/KG | | = | | | |
| REG | Cadmium | 0.57 | MG/KG | N | J | F01 | | |
| REG | Chromium | 13.7 | MG/KG | | = | | | |
| REG | Lead | 12.9 | MG/KG | * | = | | | |
| REG | Manganese | 723 | MG/KG | | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 2.1 | MG/KG | N | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 47.4 | MG/KG | E | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

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

Location: Winklepeck Burning Ground
 Station: WBGss-021 Pad #28 center of burn area

Northing: 15790.00
 Easting: 133626.00
 Elevation:

WBGss-021-0478-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | Air Temperature | 85 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 12500 | MG/KG | = | = | |
| REG | Antimony | 0.3 | MG/KG | UN | UJ | I02 |
| REG | Arsenic | 15.1 | MG/KG | N* | = | |
| REG | Barium | 42.7 | MG/KG | = | = | |
| REG | Beryllium | 0.58 | MG/KG | = | = | |
| REG | Cadmium | 0.07 | MG/KG | B | U | F01 |
| REG | Calcium | 805 | MG/KG | = | = | |
| REG | Chromium | 15.2 | MG/KG | E | J | E07 |
| REG | Cobalt | 7.2 | MG/KG | = | = | |
| REG | Copper | 18.8 | MG/KG | * | = | |
| REG | Iron | 27300 | MG/KG | * | = | |
| REG | Lead | 13.7 | MG/KG | * | = | |
| REG | Magnesium | 2640 | MG/KG | = | = | |
| REG | Manganese | 116 | MG/KG | = | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Nickel | 18.5 | MG/KG | E | J | E07 |
| REG | Potassium | 824 | MG/KG | = | = | |
| REG | Selenium | 1.8 | MG/KG | = | = | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Sodium | 162 | MG/KG | B | J | F06 |
| REG | Thallium | 1.8 | MG/KG | = | = | |
| REG | Vanadium | 19.6 | MG/KG | = | = | |
| REG | Zinc | 49.6 | MG/KG | * | = | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| DIL | 4,4'-DDD | 25 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-021 Pad #28 center of burn area

Northing: 15790.00
 Easting: 133626.00
 Elevation:

WBGss-021-0478-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| DIL | 4,4'-DDE | 25 | UG/KG | U | UJ | C08 | |
| DIL | 4,4'-DDT | 25 | UG/KG | U | U | | |
| DIL | Aldrin | 13 | UG/KG | U | U | | |
| DIL | Alpha Chlordane | 13 | UG/KG | U | U | | |
| DIL | Alpha-BHC | 13 | UG/KG | U | U | | |
| DIL | Aroclor-1016 | 330 | UG/KG | U | U | | |
| DIL | Aroclor-1221 | 330 | UG/KG | U | U | | |
| DIL | Aroclor-1232 | 330 | UG/KG | U | U | | |
| DIL | Aroclor-1242 | 330 | UG/KG | U | U | | |
| DIL | Aroclor-1248 | 330 | UG/KG | U | U | | |
| DIL | Aroclor-1254 | 680 | UG/KG | U | U | | |
| DIL | Aroclor-1260 | 680 | UG/KG | U | U | | |
| DIL | Beta-BHC | 13 | UG/KG | U | UJ | C08 | |
| DIL | Delta-BHC | 13 | UG/KG | U | UJ | C08 | |
| DIL | Dieldrin | 25 | UG/KG | U | U | | |
| DIL | Endosulfan I | 13 | UG/KG | U | U | | |
| DIL | Endosulfan II | 25 | UG/KG | U | U | | |
| DIL | Endosulfan Sulfate | 25 | UG/KG | U | U | | |
| DIL | Endrin | 25 | UG/KG | U | U | | |
| DIL | Endrin Aldehyde | 25 | UG/KG | U | UJ | C08 | |
| DIL | Endrin Ketone | 25 | UG/KG | U | UJ | C08 | |
| DIL | Gamma Chlordane | 13 | UG/KG | U | U | | |
| DIL | Gamma-BHC (Lindane) | 13 | UG/KG | U | U | | |
| DIL | Heptachlor | 13 | UG/KG | U | U | | |
| DIL | Heptachlor Epoxide | 13 | UG/KG | U | U | | |
| DIL | Methoxychlor | 130 | UG/KG | U | U | | |
| DIL | Toxaphene | 840 | UG/KG | U | U | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.5 | UG/KG | U | UJ | C08 | |
| REG | 4,4'-DDE | 2.5 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.5 | UG/KG | U | UJ | C08 | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 68 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 68 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Dieldrin | 2.5 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.5 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.5 | UG/KG | U | U | | |
| REG | Endrin | 2.5 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.5 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.5 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | |
| REG | Methoxychlor | 13 | UG/KG | U | UJ | C08 | |
| REG | Toxaphene | 84 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 330 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-021 Pad #28 center of burn area

Northing: 15790.00
 Easting: 133626.00
 Elevation:

WBGss-021-0478-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2-Dichlorobenzene | 330 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 330 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 330 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 330 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 810 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 330 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 330 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 330 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 810 | UG/KG | U | U | | |
| REG | 2-Chloronaphthalene | 330 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 330 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 330 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 330 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 810 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 330 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 810 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 810 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 330 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 330 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 330 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 330 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 330 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 810 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 810 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 330 | UG/KG | U | U | | |
| REG | Acenaphthene | 330 | UG/KG | U | U | | |
| REG | Acenaphthylene | 330 | UG/KG | U | U | | |
| REG | Anthracene | 330 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 330 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 330 | UG/KG | U | U | | |
| REG | Benzo(b)fluoranthene | 330 | UG/KG | U | U | | |
| REG | Benzo(g,h,i)perylene | 330 | UG/KG | U | U | | |
| REG | Benzo(k)fluoranthene | 330 | UG/KG | U | U | | |
| REG | Bis(2-chloroethoxy)methane | 330 | UG/KG | U | U | | |
| REG | Bis(2-chloroethyl)ether | 330 | UG/KG | U | U | | |
| REG | Bis(2-ethylhexyl)phthalate | 330 | UG/KG | U | U | | |
| REG | Butyl Benzyl Phthalate | 330 | UG/KG | U | U | | |
| REG | Carbazole | 330 | UG/KG | U | U | | |
| REG | Chrysene | 330 | UG/KG | U | U | | |
| REG | Di-n-butyl Phthalate | 330 | UG/KG | U | U | | |
| REG | Di-n-octyl Phthalate | 330 | UG/KG | U | U | | |
| REG | Dibenzo(a,h)anthracene | 330 | UG/KG | U | U | | |
| REG | Dibenzofuran | 330 | UG/KG | U | U | | |
| REG | Diethyl Phthalate | 330 | UG/KG | U | U | | |
| REG | Dimethyl Phthalate | 330 | UG/KG | U | U | | |
| REG | Fluoranthene | 330 | UG/KG | U | U | | |
| REG | Fluorene | 330 | UG/KG | U | U | | |
| REG | Hexachlorobenzene | 330 | UG/KG | U | U | | |
| REG | Hexachlorobutadiene | 330 | UG/KG | U | U | | |
| REG | Hexachlorocyclopentadiene | 330 | UG/KG | U | U | | |
| REG | Hexachloroethane | 330 | UG/KG | U | U | | |
| REG | Indeno(1,2,3-cd)pyrene | 330 | UG/KG | U | U | | |
| REG | isophorone | 330 | UG/KG | U | U | | |
| REG | N-Nitroso-di-n-propylamine | 330 | UG/KG | U | U | | |
| REG | N-Nitrosodiphenylamine | 330 | UG/KG | U | U | | |
| REG | Naphthalene | 330 | UG/KG | U | U | | |
| REG | Pentachlorophenol | 810 | UG/KG | U | U | | |
| REG | Phenanthrene | 330 | UG/KG | U | U | | |
| REG | Phenol | 330 | UG/KG | U | U | | |
| REG | Pyrene | 330 | UG/KG | U | U | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station: WBGss-021 Pad #28 center of burn area

Northing: 15790.00
Easting: 133626.00
Elevation:

WBGss-021-0478-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|---------------------------|-----------------|----------|----------------|------|-----------------|-----|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,1,1-Trichloroethane | | 5 UG/KG | U | U | | |
| REG | 1,1,2,2-Tetrachloroethane | | 5 UG/KG | U | U | | |
| REG | 1,1,2-Trichloroethane | | 5 UG/KG | U | U | | |
| REG | 1,1-Dichloroethane | | 5 UG/KG | U | U | | |
| REG | 1,1-Dichloroethene | | 5 UG/KG | U | U | | |
| REG | 1,2-Dichloroethane | | 5 UG/KG | U | U | | |
| REG | 1,2-Dichloropropane | | 5 UG/KG | U | U | | |
| REG | 1,2-cis-Dichloroethene | | 5 UG/KG | U | U | | |
| REG | 1,2-trans-Dichloroethene | | 5 UG/KG | U | U | | |
| REG | 1,3-cis-Dichloropropene | | 5 UG/KG | U | U | | |
| REG | 1,3-trans-Dichloropropene | | 5 UG/KG | U | U | | |
| REG | 2-Butanone | | 5 UG/KG | U | U | | |
| REG | 2-Hexanone | | 5 UG/KG | U | U | | |
| REG | 4-Methyl-2-pentanone | | 5 UG/KG | U | U | | |
| REG | Acetone | | 5 UG/KG | U | U | | |
| REG | Benzene | | 5 UG/KG | U | U | | |
| REG | Bromodichloromethane | | 5 UG/KG | U | U | | |
| REG | Bromoform | | 5 UG/KG | U | U | | |
| REG | Bromomethane | | 5 UG/KG | U | UJ | | C05 |
| REG | Carbon Disulfide | | 5 UG/KG | U | U | | |
| REG | Carbon Tetrachloride | | 5 UG/KG | U | U | | |
| REG | Chlorobenzene | | 5 UG/KG | U | U | | |
| REG | Chloroethane | | 5 UG/KG | U | UJ | | C02 |
| REG | Chloroform | | 5 UG/KG | U | U | | |
| REG | Chloromethane | | 5 UG/KG | U | U | | |
| REG | Dibromochloromethane | | 5 UG/KG | U | U | | |
| REG | Ethylbenzene | | 5 UG/KG | U | U | | |
| REG | Methylene Chloride | | 5 UG/KG | U | U | | |
| REG | Styrene | | 5 UG/KG | U | U | | |
| REG | Tetrachloroethene | | 5 UG/KG | U | U | | |
| REG | Toluene | | 40 UG/KG | | = | | |
| REG | Trichloroethene | | 5 UG/KG | U | U | | |
| REG | Vinyl Chloride | | 5 UG/KG | U | U | | |
| REG | Xylenes, Total | | 5 UG/KG | U | U | | |
| REG | o-Xylene | | 5 UG/KG | U | U | | |

Location: Winklepeck Burning Ground
Station: WBGss-022 Pad #29 center of burn area

Northing: 15793.00
Easting: 134072.00
Elevation:

WBGss-022-0479-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|-----|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 17400 | MG/KG | | = | | |
| REG | Arsenic | 7.9 | MG/KG | | = | | |
| REG | Barium | 100 | MG/KG | | = | | |
| REG | Cadmium | 0.07 | MG/KG | BN | U | | F01 |
| REG | Chromium | 18.4 | MG/KG | | = | | |
| REG | Lead | 15.8 | MG/KG | * | = | | |
| REG | Manganese | 147 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.79 | MG/KG | N | = | | |
| REG | Silver | 0.23 | MG/KG | U | U | | |
| REG | Zinc | 57.7 | MG/KG | E | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-022 Pad #29 center of burn area

Northing: 15793.00
Easting: 134072.00
Elevation:

WBGss-022-0479-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | | |
|--------------------|--------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
Station : WBGss-023 Pad #30 center of burn area

Northing: 15797.00
Easting: 134452.00
Elevation:

WBGss-023-0480-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8500 | MG/KG | = | | F01 | | |
| REG | Arsenic | 19.8 | MG/KG | = | | | | |
| REG | Barium | 39.2 | MG/KG | = | | | | |
| REG | Cadmium | 0.05 | MG/KG | UN | U | | | |
| REG | Chromium | 12.4 | MG/KG | = | | | | |
| REG | Lead | 13.2 | MG/KG | * | = | | | |
| REG | Manganese | 320 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.69 | MG/KG | N | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 65.4 | MG/KG | E | = | | | |

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

Location: Winklepeck Burning Ground
Station : WBGss-024 Pad #31 center of burn area

Northing: 15802.00
Easting: 134843.00
Elevation:

WBGss-024-0481-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | | |
|--------------------|----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12300 | MG/KG | = | | F01 | | |
| REG | Arsenic | 16.1 | MG/KG | = | | | | |
| REG | Barium | 55.6 | MG/KG | = | | | | |
| REG | Cadmium | 0.12 | MG/KG | BN | U | | | |
| REG | Chromium | 14.7 | MG/KG | = | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-024 Pad #31 center of burn area

Northing: 15802.00
 Easting: 134843.00
 Elevation:

WBGss-024-0481-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Lead | 17.9 | MG/KG | * | = | | |
| REG | Manganese | 257 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.4 | MG/KG | N | = | | |
| REG | Silver | 0.24 | MG/KG | U | U | | |
| REG | Zinc | 54 | MG/KG | E | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
 Station: WBGss-025 Pad #32 center of burn area

Northing: 15806.00
 Easting: 135288.00
 Elevation:

WBGss-025-0482-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/05/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10600 | MG/KG | | = | | |
| REG | Arsenic | 7.6 | MG/KG | | = | | |
| REG | Barium | 132 | MG/KG | | = | | |
| REG | Cadmium | 8.2 | MG/KG | N | = | | |
| REG | Chromium | 9.1 | MG/KG | | = | | |
| REG | Lead | 56.2 | MG/KG | * | = | | |
| REG | Manganese | 1820 | MG/KG | | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1 | MG/KG | N | = | | |
| REG | Silver | 0.2 | MG/KG | U | U | | |
| REG | Zinc | 329 | MG/KG | E | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-026 Pad #33 center of burn area

Northing: 15805.00
 Easting: 135819.00
 Elevation:

WBGss-026-0483-SO 0.0 - 1.3 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Head Space | 0.0 | PPM | Qualifiers | | Validation |
|--------------------|-----------|------------|--------|-------|------------|------|------------|
| Sample Type | Metals | | Result | Units | Lab | Data | Code |
| REG | Aluminum | | 14900 | MG/KG | * | = | |
| REG | Arsenic | | 16.9 | MG/KG | N | J | I02 |
| REG | Barium | | 64.2 | MG/KG | N* | J | I02 |
| REG | Cadmium | | 0.37 | MG/KG | B* | J | I01 |
| REG | Chromium | | 18 | MG/KG | N* | J | I02 |
| REG | Lead | | 15.5 | MG/KG | * | = | |
| REG | Manganese | | 304 | MG/KG | * | = | |
| REG | Mercury | | 0.04 | MG/KG | U | U | |
| REG | Selenium | | 1.1 | MG/KG | N | J | I02 |
| REG | Silver | | 0.2 | MG/KG | U | U | |
| REG | Zinc | | 69 | MG/KG | * | J | I01 |

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

Location: Winklepeck Burning Ground
 Station: WBGss-027 Pad #34 center of burn area

Northing: 15819.00
 Easting: 136150.00
 Elevation:

WBGss-027-0484-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 80 | DEG F | Qualifiers | | Validation |
|--------------------|-----------|-----------------|-------|-------|------------|------------|------------|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Lab | Data | Validation | |
| REG | Aluminum | 13100 | MG/KG | * | = | | |
| REG | Arsenic | 14.2 | MG/KG | N | J | I02 | |
| REG | Barium | 112 | MG/KG | N* | J | I02 | |
| REG | Cadmium | 0.42 | MG/KG | B* | J | I01 | |
| REG | Chromium | 17.9 | MG/KG | N* | J | I02 | |
| REG | Lead | 18.5 | MG/KG | * | = | | |
| REG | Manganese | 782 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.85 | MG/KG | N | J | I02 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 68.6 | MG/KG | * | J | I01 | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-028 Pad #35 center of burn area

Northing: 15828.00
 Easting: 136554.00
 Elevation:

WBGss-028-0485-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12800 | MG/KG | * | = | | | |
| REG | Arsenic | 12.2 | MG/KG | N | J | I02 | | |
| REG | Barium | 56.4 | MG/KG | * | = | | | |
| REG | Cadmium | 0.16 | MG/KG | B | J | F06 | | |
| REG | Chromium | 15.2 | MG/KG | * | = | | | |
| REG | Lead | 17 | MG/KG | N | J | I02 | | |
| REG | Manganese | 419 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | | |
| REG | Selenium | 0.69 | MG/KG | | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 48.5 | MG/KG | | = | | | |

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

Location: Winklepeck Burning Ground
 Station: WBGss-029 Pad #36 center of burn area

Northing: 15830.00
 Easting: 136993.00
 Elevation:

WBGss-029-0486-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12300 | MG/KG | * | = | | | |
| REG | Arsenic | 11.4 | MG/KG | N | J | I02 | | |
| REG | Barium | 54.5 | MG/KG | * | = | | | |
| REG | Cadmium | 0.16 | MG/KG | B | J | F06 | | |
| REG | Chromium | 14.2 | MG/KG | * | = | | | |
| REG | Lead | 18.6 | MG/KG | N | J | I02 | | |
| REG | Manganese | 327 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | | |
| REG | Selenium | 0.64 | MG/KG | | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 54.6 | MG/KG | | = | | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-029 Pad #36 center of burn area

Northing: 15830.00
Easting: 136993.00
Elevation:

WBGss-029-0486-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
Station : WBGss-030 Pad #37 south of burn area

Northing: 15789.00
Easting: 137411.00
Elevation:

WBGss-030-0487-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12300 | MG/KG | * | = | | | |
| REG | Arsenic | 17.7 | MG/KG | N | J | 102 | | |
| REG | Barium | 65.8 | MG/KG | * | = | | | |
| REG | Cadmium | 0.58 | MG/KG | | = | | | |
| REG | Chromium | 17.8 | MG/KG | * | = | | | |
| REG | Lead | 108 | MG/KG | N | J | 102 | | |
| REG | Manganese | 351 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | | |
| REG | Selenium | 0.62 | MG/KG | | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 133 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

WBGss-030-0673-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 5.7 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,1,1-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,1,2,2-Tetrachloroethane | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,1,2-Trichloroethane | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,1-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,1-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,2-Dichloroethane | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,2-Dichloropropane | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,2-cis-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,2-trans-Dichloroethene | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,3-cis-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 1,3-trans-Dichloropropene | 6 | UG/KG | U | UJ | G02,K01 | | |
| REG | 2-Butanone | 6 | UG/KG | U | UJ | G02,K01 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-030 Pad #37 south of burn area

Northing: 15789.00
 Easting: 137411.00
 Elevation:

WBGss-030-0673-SO 0.0 - 1.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------------------|--------|-------|----------------|------|-----------------|
| REG | 2-Hexanone | 6 | UG/KG | U | UJ | G02,K01 |
| REG | 4-Methyl-2-pentanone | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 6 | UG/KG | U | UJ | C05,G02,K01 |
| REG | Benzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromodichloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromoform | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Bromomethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Disulfide | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Tetrachloride | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chlorobenzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 6 | UG/KG | U | UJ | C02,G02,K01 |
| REG | Chloroform | 3 | UG/KG | J | J | G02,K01 |
| REG | Chloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Dibromochloromethane | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Ethylbenzene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Methylene Chloride | 15 | UG/KG | B | UJ | F01,F07,G02 |
| REG | Styrene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Tetrachloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Toluene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Trichloroethene | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Vinyl Chloride | 6 | UG/KG | U | UJ | G02,K01 |
| REG | Xylenes, Total | 6 | UG/KG | U | UJ | G02,K01 |
| REG | o-Xylene | 6 | UG/KG | U | UJ | G02,K01 |

Location: Winklepeck Burning Ground
 Station : WBGss-031 Pad #37 west of burn area

Northing: 15835.00
 Easting: 137350.00
 Elevation:

WBGss-031-0488-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------|--------|-------|----------------|------|-----------------|
| REG | Cyanide | 0.23 | MG/KG | B | J | F06 |

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 16900 | MG/KG | | = | |
| REG | Antimony | 0.3 | MG/KG | U | U | |
| REG | Arsenic | 8.9 | MG/KG | | = | |
| REG | Barium | 173 | MG/KG | | = | |
| REG | Beryllium | 2.6 | MG/KG | | = | |
| REG | Cadmium | 1.8 | MG/KG | | = | |
| REG | Calcium | 88900 | MG/KG | | = | |
| REG | Chromium | 11.1 | MG/KG | | = | |
| REG | Cobalt | 4.6 | MG/KG | | = | |
| REG | Copper | 13 | MG/KG | | = | |
| REG | Iron | 12800 | MG/KG | | = | |
| REG | Lead | 21.5 | MG/KG | | = | |
| REG | Magnesium | 13100 | MG/KG | | = | |
| REG | Manganese | 1840 | MG/KG | | = | |
| REG | Mercury | 0.03 | MG/KG | B | J | F06 |
| REG | Nickel | 7.4 | MG/KG | | = | |
| REG | Potassium | 1600 | MG/KG | | = | |
| REG | Selenium | 0.58 | MG/KG | | = | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Sodium | 962 | MG/KG | | = | |
| REG | Thallium | 2.7 | MG/KG | | = | |
| REG | Vanadium | 12.7 | MG/KG | | = | |
| REG | Zinc | 41.8 | MG/KG | | = | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-031 Pad #37 west of burn area

Northing: 15835.00
 Easting: 137350.00
 Elevation:

WBGss-031-0488-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.5 | UG/KG | U | U | | | |
| REG | 4,4'-DDE | 2.5 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.5 | UG/KG | U | UJ | C08 | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 33 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 33 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 33 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 33 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 33 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 67 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 67 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.5 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.5 | UG/KG | U | UJ | C08 | | |
| REG | Endosulfan Sulfate | 2.5 | UG/KG | U | UJ | C08 | | |
| REG | Endrin | 2.5 | UG/KG | U | UJ | C08 | | |
| REG | Endrin Aldehyde | 2.5 | UG/KG | U | UJ | C08 | | |
| REG | Endrin Ketone | 2.5 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | UJ | C08 | | |
| REG | Toxaphene | 83 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 330 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 330 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 800 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 330 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 800 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 330 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 330 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 330 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 330 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 800 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 330 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 800 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 800 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-031 Pad #37 west of burn area

Northing: 15835.00
 Easting: 137350.00
 Elevation:

WBGss-031-0488-SO 0.0 - 2.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 08/07/96

| Field Measurements | | Air Temperature | 80 | DEG F |
|--------------------|--|-----------------|-----|-------|
| | | Head Space | 0.0 | PPM |
| | | Organic Vapor | 0.0 | PPM |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------------------------|--------|-------|----------------|------|-----------------|
| REG | 4,6-Dinitro-o-Cresol | 330 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 330 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 330 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 330 | UG/KG | U | U | |
| REG | 4-Methylphenol | 330 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 800 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 800 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 330 | UG/KG | U | U | |
| REG | Acenaphthene | 330 | UG/KG | U | U | |
| REG | Acenaphthylene | 330 | UG/KG | U | U | |
| REG | Anthracene | 330 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 330 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 330 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 330 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 330 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 330 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 330 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 330 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 34 | UG/KG | J | J | |
| REG | Butyl Benzyl Phthalate | 330 | UG/KG | U | U | |
| REG | Carbazole | 330 | UG/KG | U | U | |
| REG | Chrysene | 330 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 53 | UG/KG | J | J | |
| REG | Di-n-octyl Phthalate | 330 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 330 | UG/KG | U | U | |
| REG | Dibenzofuran | 330 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 330 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 330 | UG/KG | U | U | |
| REG | Fluoranthene | 330 | UG/KG | U | U | |
| REG | Fluorene | 330 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 330 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 330 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 330 | UG/KG | U | UJ | C05 |
| REG | Hexachloroethane | 330 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 330 | UG/KG | U | U | |
| REG | Isophorone | 330 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 330 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 330 | UG/KG | U | U | |
| REG | Naphthalene | 330 | UG/KG | U | U | |
| REG | Pentachlorophenol | 800 | UG/KG | U | U | |
| REG | Phenanthrene | 330 | UG/KG | U | U | |
| REG | Phenol | 330 | UG/KG | U | U | |
| REG | Pyrene | 330 | UG/KG | U | U | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REG | Acetone | 5 | UG/KG | U | UJ | C05,K01 |
| REG | Benzene | 5 | UG/KG | U | UJ | K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-031 Pad #37 west of burn area

Northing: 15835.00
Easting: 137350.00
Elevation:

WBGss-031-0488-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|----------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Bromodichloromethane | 5 | UG/KG | U UJ | K01 | |
| REG | Bromoform | 5 | UG/KG | U UJ | K01 | |
| REG | Bromomethane | 5 | UG/KG | U UJ | K01 | |
| REG | Carbon Disulfide | 5 | UG/KG | U UJ | K01 | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U UJ | K01 | |
| REG | Chlorobenzene | 5 | UG/KG | U UJ | K01 | |
| REG | Chloroethane | 5 | UG/KG | U UJ | C02,K01 | |
| REG | Chloroform | 5 | UG/KG | U UJ | K01 | |
| REG | Chloromethane | 5 | UG/KG | U UJ | K01 | |
| REG | Dibromochloromethane | 5 | UG/KG | U UJ | K01 | |
| REG | Ethylbenzene | 5 | UG/KG | U UJ | K01 | |
| REG | Methylene Chloride | 5 | UG/KG | U UJ | K01 | |
| REG | Styrene | 5 | UG/KG | U UJ | K01 | |
| REG | Tetrachloroethene | 5 | UG/KG | U UJ | K01 | |
| REG | Toluene | 17 | UG/KG | J | K01 | |
| REG | Trichloroethene | 5 | UG/KG | U UJ | K01 | |
| REG | Vinyl Chloride | 5 | UG/KG | U UJ | K01 | |
| REG | Xylenes, Total | 5 | UG/KG | U UJ | K01 | |
| REG | o-Xylene | 5 | UG/KG | U UJ | K01 | |

Location: Winklepeck Burning Ground
Station : WBGss-034 Pad #38 center burnng area

Northing: 15838.00
Easting: 137704.00
Elevation:

WBGss-034-0491-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 15300 | MG/KG | * = | | |
| REG | Arsenic | 10.5 | MG/KG | N J | I02 | |
| REG | Barium | 596 | MG/KG | N* J | I02 | |
| REG | Cadmium | 877 | MG/KG | * J | I01 | |
| REG | Chromium | 26.6 | MG/KG | N* J | I02 | |
| REG | Lead | 504 | MG/KG | * = | | |
| REG | Manganese | 1480 | MG/KG | * = | | |
| REG | Mercury | 0.03 | MG/KG | U U | | |
| REG | Selenium | 5 | MG/KG | N J | I02 | |
| REG | Silver | 0.2 | MG/KG | U U | | |
| REG | Zinc | 342 | MG/KG | * J | I01 | |

Location: Winklepeck Burning Ground
Station : WBGss-035 Pad #38 Center Burning Area

Northing: 15838.00
Easting: 137805.00
Elevation:

WBGss-035-0492-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 92 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 22200 | MG/KG | * = | | |
| REG | Arsenic | 7.1 | MG/KG | N J | I02 | |
| REG | Barium | 255 | MG/KG | N* J | I02 | |
| REG | Cadmium | 63.4 | MG/KG | * J | I01 | |
| REG | Chromium | 27.2 | MG/KG | N* J | I02 | |
| REG | Lead | 236 | MG/KG | * = | | |
| REG | Manganese | 2170 | MG/KG | * = | | |
| REG | Mercury | 0.03 | MG/KG | U U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-035 Pad #38 Center Burning Area

Northing: 15838.00
 Easting: 137805.00
 Elevation:

WBGss-035-0492-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

Field Measurements Air Temperature 90 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------|--------|-------|----------------|------|-----------------|
| REG | Selenium | 1.4 | MG/KG | N | J | 102 |
| REG | Silver | 0.19 | MG/KG | U | = | |
| REG | Zinc | 316 | MG/KG | * | J | 101 |

Location: Winklepeck Burning Ground
 Station : WBGss-036 Pad #39 center of burn area

Northing: 15845.00
 Easting: 138162.00
 Elevation:

WBGss-036-0493-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

Field Measurements Air Temperature 90 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 10200 | MG/KG | * | = | |
| REG | Arsenic | 12.3 | MG/KG | N | J | 102 |
| REG | Barium | 41.9 | MG/KG | N* | J | 102 |
| REG | Cadmium | 0.24 | MG/KG | B* | J | 101 |
| REG | Chromium | 11.6 | MG/KG | N* | J | 102 |
| REG | Lead | 18.1 | MG/KG | * | = | |
| REG | Manganese | 275 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.64 | MG/KG | N | J | 102 |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 82.2 | MG/KG | * | J | 101 |

Location: Winklepeck Burning Ground
 Station : WBGss-037 Pad #40 center of burn area

Northing: 15843.00
 Easting: 138487.00
 Elevation:

WBGss-037-0494-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

Field Measurements Air Temperature 90 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 8730 | MG/KG | * | = | |
| REG | Arsenic | 16.1 | MG/KG | N | J | 102 |
| REG | Barium | 67.3 | MG/KG | N* | J | 102 |
| REG | Cadmium | 0.42 | MG/KG | B* | J | 101 |
| REG | Chromium | 10.5 | MG/KG | N* | J | 102 |
| REG | Lead | 189 | MG/KG | * | = | |
| REG | Manganese | 861 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.89 | MG/KG | N | J | 102 |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Zinc | 317 | MG/KG | * | J | 101 |

Location: Winklepeck Burning Ground
 Station : WBGss-038 Pad #41 center of burn area

Northing: 15846.00
 Easting: 138695.00
 Elevation:

WBGss-038-0495-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

Field Measurements Air Temperature 90 DEG F
 Head Space 0.0 PPM
 Organic Vapor 0.0 PPM

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|--------|--------|-------|----------------|------|-----------------|
|-------------|--------|--------|-------|----------------|------|-----------------|

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-038 Pad #41 center of burn area

Northing: 15846.00
 Easting: 138695.00
 Elevation:

WBGss-038-0495-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/06/96

| Field Measurements | | Air Temperature | 90 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8980 | MG/KG | * | = | | | |
| REG | Arsenic | 21.6 | MG/KG | N | J | I02 | | |
| REG | Barium | 55.8 | MG/KG | N* | J | I02 | | |
| REG | Cadmium | 0.36 | MG/KG | B* | J | I01 | | |
| REG | Chromium | 9.2 | MG/KG | N* | J | I02 | | |
| REG | Lead | 18.1 | MG/KG | * | = | | | |
| REG | Manganese | 359 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 1.7 | MG/KG | N | J | I02 | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 45 | MG/KG | * | J | I01 | | |

Location: Winklepeck Burning Ground
 Station : WBGss-039 Pad #43 center of burn area

Northing: 16142.00
 Easting: 134023.00
 Elevation:

WBGss-039-0496-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 13500 | MG/KG | | = | | | |
| REG | Arsenic | 14.1 | MG/KG | | = | | | |
| REG | Barium | 63.7 | MG/KG | | = | | | |
| REG | Cadmium | 0.04 | MG/KG | UN* | UJ | I02,J04 | | |
| REG | Chromium | 16.6 | MG/KG | | = | | | |
| REG | Lead | 13.4 | MG/KG | * | = | | | |
| REG | Manganese | 241 | MG/KG | N* | J | I02 | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.56 | MG/KG | N | J | I01 | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Zinc | 69.4 | MG/KG | E* | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 | | |

Location: Winklepeck Burning Ground
 Station : WBGss-040 Pad #44 center of burn area

Northing: 16163.00
 Easting: 134277.00
 Elevation:

WBGss-040-0497-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|--------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Background | 0.0 | PPM | | | | |
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-040 Pad #44 center of burn area

Northing: 16163.00
 Easting: 134277.00
 Elevation:

WBGss-040-0497-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Background | 0.0 | PPM | | | | |
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12400 | MG/KG | = | | | | |
| REG | Arsenic | 12.4 | MG/KG | = | | | | |
| REG | Barium | 41.8 | MG/KG | = | | | | |
| REG | Cadmium | 0.04 | MG/KG | UN* | J | 102,J04 | | |
| REG | Chromium | 15.4 | MG/KG | = | | | | |
| REG | Lead | 13.7 | MG/KG | * | | | | |
| REG | Manganese | 133 | MG/KG | N* | J | 102 | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Selenium | 0.72 | MG/KG | N | J | 101 | | |
| REG | Silver | 0.19 | MG/KG | U | U | | | |
| REG | Zinc | 55.6 | MG/KG | E* | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | P02 | | |

WBGss-040-0498-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 78 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Background | 0.0 | PPM | | | | |
| | | Head Space | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 13000 | MG/KG | = | | | | |
| REG | Arsenic | 15.6 | MG/KG | = | | | | |
| REG | Barium | 68.1 | MG/KG | = | | | | |
| REG | Cadmium | 0.05 | MG/KG | U | U | | | |
| REG | Chromium | 16.8 | MG/KG | = | | | | |
| REG | Lead | 15.8 | MG/KG | = | | | | |
| REG | Manganese | 318 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | | |
| REG | Selenium | 1.2 | MG/KG | = | | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 65.4 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-041 Pad #45 center of burn area

Northing: 16210.00
 Easting: 134639.00
 Elevation:

WBGss-041-0499-SO 0.0 - 0.5 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 07/31/96

| Field Measurements | | Air Temperature | 78 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Background | 0.0 | PPM | | |
| | | Head Space | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 9910 | MG/KG | = | | |
| REG | Arsenic | 12.1 | MG/KG | = | | |
| REG | Barium | 99.9 | MG/KG | = | | |
| REG | Cadmium | 1.8 | MG/KG | = | | |
| REG | Chromium | 6.8 | MG/KG | = | | |
| REG | Lead | 314 | MG/KG | = | | |
| REG | Manganese | 798 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.82 | MG/KG | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 349 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Winklepeck Burning Ground
 Station: WBGss-042 Pad #46 center of burn area

Northing: 16170.00
 Easting: 135036.00
 Elevation:

WBGss-042-0500-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 78 | DEG F | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 8320 | MG/KG | * | = | |
| REG | Arsenic | 16.5 | MG/KG | N | J | I02 |
| REG | Barium | 36.5 | MG/KG | * | = | |
| REG | Cadmium | 0.37 | MG/KG | B | J | F06 |
| REG | Chromium | 11.4 | MG/KG | * | = | |
| REG | Lead | 12.4 | MG/KG | N | J | I02 |
| REG | Manganese | 230 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | |
| REG | Selenium | 0.7 | MG/KG | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | |
| REG | Zinc | 54.2 | MG/KG | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-042 Pad #46 center of burn area

Northing: 16170.00
Easting: 135036.00
Elevation:

WBGss-042-0500-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
Station : WBGss-043 Pad #47 center of burn area

Northing: 16179.00
Easting: 135580.00
Elevation:

WBGss-043-0501-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10000 | MG/KG | * | = | | |
| REG | Arsenic | 14 | MG/KG | N | J | I02 | |
| REG | Barium | 43.5 | MG/KG | * | = | | |
| REG | Caesium | 5.7 | MG/KG | * | = | | |
| REG | Chromium | 12.1 | MG/KG | * | = | | |
| REG | Lead | 13.7 | MG/KG | N | J | I02 | |
| REG | Manganese | 213 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | |
| REG | Selenium | 0.51 | MG/KG | B | J | F06 | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 79.2 | MG/KG | | = | | |

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

Location: Winklepeck Burning Ground
Station : WBGss-044 Pad #48 center of burn area

Northing: 16184.00
Easting: 135956.00
Elevation:

WBGss-044-0502-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10100 | MG/KG | * | = | | |
| REG | Arsenic | 13.1 | MG/KG | N | J | I02 | |
| REG | Barium | 31.8 | MG/KG | * | = | | |
| REG | Cadmium | 0.14 | MG/KG | B | J | F06 | |
| REG | Chromium | 11.8 | MG/KG | * | = | | |
| REG | Lead | 14.4 | MG/KG | N | J | I02 | |
| REG | Manganese | 194 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-044 Pad #48 center of burn area

Northing: 16184.00
 Easting: 135956.00
 Elevation:

WBGss-044-0502-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Selenium | 0.75 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | |
| REG | Zinc | 50.5 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
 Station: WBGss-045 Pad #49 center of burn area

Northing: 16188.00
 Easting: 136252.00
 Elevation:

WBGss-045-0503-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 12600 | MG/KG | * | = | | |
| REG | Arsenic | 17.6 | MG/KG | N | J | I02 | |
| REG | Barium | 38.8 | MG/KG | * | = | | |
| REG | Cadmium | 0.88 | MG/KG | | = | | |
| REG | Chromium | 15.4 | MG/KG | * | = | | |
| REG | Lead | 17.7 | MG/KG | N | J | I02 | |
| REG | Manganese | 160 | MG/KG | * | = | | |
| REG | Mercury | 0.04 | MG/KG | UN* | U | | |
| REG | Selenium | 0.97 | MG/KG | | = | | |
| REG | Silver | 0.21 | MG/KG | U | U | | |
| REG | Zinc | 60.4 | MG/KG | | = | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-046 Pad #50 center of burn area

Northing: 16193.00
 Easting: 136789.00
 Elevation:

WBGss-046-0504-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 12400 | MG/KG | = | | |
| REG | Arsenic | 16.4 | MG/KG | = | | |
| REG | Barium | 65.7 | MG/KG | = | | |
| REG | Cadmium | 0.28 | MG/KG | B J | F06 | |
| REG | Chromium | 16.6 | MG/KG | = | | |
| REG | Lead | 14.4 | MG/KG | N J | I02 | |
| REG | Manganese | 321 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U U | | |
| REG | Selenium | 0.77 | MG/KG | = | | |
| REG | Silver | 0.22 | MG/KG | U U | | |
| REG | Zinc | 65 | MG/KG | = | | |

Location: Winklepeck Burning Ground
 Station : WBGss-047 Pad #51 center of burn area

Northing: 16194.00
 Easting: 137201.00
 Elevation:

WBGss-047-0505-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 12800 | MG/KG | = | | |
| REG | Arsenic | 15.6 | MG/KG | = | | |
| REG | Barium | 53 | MG/KG | = | | |
| REG | Cadmium | 0.43 | MG/KG | B J | F06 | |
| REG | Chromium | 15.9 | MG/KG | = | | |
| REG | Lead | 14.9 | MG/KG | N J | I02 | |
| REG | Manganese | 273 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | B J | F06 | |
| REG | Selenium | 0.92 | MG/KG | = | | |
| REG | Silver | 0.23 | MG/KG | U U | | |
| REG | Zinc | 57 | MG/KG | = | | |

Location: Winklepeck Burning Ground
 Station : WBGss-048 Pad #52 center of burn area

Northing: 16200.00
 Easting: 137601.00
 Elevation:

WBGss-048-0506-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 90 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 11300 | MG/KG | = | | |
| REG | Arsenic | 13.5 | MG/KG | = | | |
| REG | Barium | 62.9 | MG/KG | = | | |
| REG | Cadmium | 0.2 | MG/KG | B J | F06 | |
| REG | Chromium | 13.4 | MG/KG | = | | |
| REG | Lead | 14.4 | MG/KG | N J | I02 | |
| REG | Manganese | 269 | MG/KG | = | | |
| REG | Mercury | 0.04 | MG/KG | U U | | |
| REG | Selenium | 0.34 | MG/KG | U U | | |
| REG | Silver | 0.21 | MG/KG | U U | | |
| REG | Zinc | 58.2 | MG/KG | = | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-049 Pad #53 center of burn area

Northing: 16205.00
 Easting: 137852.00
 Elevation:

WBGss-049-0507-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 92 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 14600 | MG/KG | = | | | | |
| REG | Arsenic | 14.6 | MG/KG | = | | | | |
| REG | Barium | 57.5 | MG/KG | = | | | | |
| REG | Cadmium | 10 | MG/KG | = | | | | |
| REG | Chromium | 15.9 | MG/KG | = | | | | |
| REG | Lead | 21.5 | MG/KG | N | J | I02 | | |
| REG | Manganese | 194 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | | |
| REG | Selenium | 0.72 | MG/KG | = | | | | |
| REG | Silver | 0.24 | MG/KG | U | U | | | |
| REG | Zinc | 67.7 | MG/KG | = | | | | |

Location: Winklepeck Burning Ground
 Station : WBGss-050 Pad #54 center of burn area

Northing: 16209.00
 Easting: 138323.00
 Elevation:

WBGss-050-0508-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 95 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 11600 | MG/KG | = | | | | |
| REG | Arsenic | 15.2 | MG/KG | = | | | | |
| REG | Barium | 63.3 | MG/KG | = | | | | |
| REG | Cadmium | 0.41 | MG/KG | B | J | F06 | | |
| REG | Chromium | 14 | MG/KG | = | | | | |
| REG | Lead | 32.5 | MG/KG | N | J | I02 | | |
| REG | Manganese | 401 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | | |
| REG | Selenium | 0.96 | MG/KG | = | | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 67.2 | MG/KG | = | | | | |

Location: Winklepeck Burning Ground
 Station : WBGss-051 Pad #55 center of burn area

Northing: 16211.00
 Easting: 138649.00
 Elevation:

WBGss-051-0509-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 95 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.1 | MG/KG | U | U | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 8270 | MG/KG | * | = | | | |
| REG | Antimony | 0.43 | MG/KG | B | U | | | |
| REG | Arsenic | 9.7 | MG/KG | N* | J | I01 | | |
| REG | Barium | 41.5 | MG/KG | * | = | | | |
| REG | Beryllium | 0.43 | MG/KG | | U | | | |
| REG | Cadmium | 0.18 | MG/KG | B | U | | | |
| REG | Calcium | 2100 | MG/KG | * | = | | | |
| REG | Chromium | 10.1 | MG/KG | * | = | | | |
| REG | Cobalt | 5.5 | MG/KG | | J | D10 | | |
| REG | Copper | 13.1 | MG/KG | * | = | | | |
| REG | Iron | 17600 | MG/KG | * | = | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-051 Pad #55 center of burn area

Northing: 16211.00
 Easting: 138649.00
 Elevation:

WBGss-051-0509-SO 0.0 - 2.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 08/08/96

Field Measurements

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Lead | 10.2 | MG/KG | * | = | |
| REG | Magnesium | 1930 | MG/KG | * | = | |
| REG | Manganese | 208 | MG/KG | N* | J | I01 |
| REG | Mercury | 0.04 | MG/KG | | = | |
| REG | Nickel | 12.2 | MG/KG | | = | |
| REG | Potassium | 543 | MG/KG | | = | |
| REG | Selenium | 0.79 | MG/KG | | = | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Sodium | 163 | MG/KG | B | J | F06 |
| REG | Thallium | 1.4 | MG/KG | | = | |
| REG | Vanadium | 13.8 | MG/KG | * | = | |
| REG | Zinc | 39.9 | MG/KG | * | = | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 2.6 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | U | |
| REG | Toxaphene | 86 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 830 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 830 | UG/KG | U | U | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 830 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 830 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 830 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 830 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 830 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | |
| REG | Acenaphthene | 340 | UG/KG | U | U | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | |
| REG | Anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | |
| REG | Carbazole | 340 | UG/KG | U | U | |
| REG | Chrysene | 340 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Fluoranthene | 340 | UG/KG | U | U | |
| REG | Fluorene | 340 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | |
| REG | Isophorone | 340 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | |
| REG | Naphthalene | 340 | UG/KG | U | U | |
| REG | Pentachlorophenol | 830 | UG/KG | U | U | |
| REG | Phenanthrene | 340 | UG/KG | U | U | |
| REG | Phenol | 340 | UG/KG | U | U | |
| REG | Pyrene | 340 | UG/KG | U | U | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-051 Pad #55 center of burn area

Northing: 16211.00
 Easting: 138649.00
 Elevation:

WBGss-051-0509-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 2-Butanone | 5 | UG/KG | U | U | | | |
| REG | 2-Hexanone | 5 | UG/KG | U | U | | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | | |
| REG | Acetone | 5 | UG/KG | U | U | | | |
| REG | Benzene | 5 | UG/KG | U | U | | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | | |
| REG | Bromoform | 5 | UG/KG | U | U | | | |
| REG | Bromomethane | 5 | UG/KG | U | UJ | C05 | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | | |
| REG | Chloroform | 5 | UG/KG | U | U | | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | | |
| REG | Methylene Chloride | 12 | UG/KG | | = | | | |
| REG | Styrene | 5 | UG/KG | U | U | | | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | | | |
| REG | Toluene | 5 | UG/KG | U | U | | | |
| REG | Trichloroethene | 5 | UG/KG | U | U | | | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | | | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | | | |
| REG | o-Xylene | 5 | UG/KG | U | U | | | |

WBGss-051-0510-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.19 | MG/KG | B | J | F06 | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 9380 | MG/KG | * | = | | | |
| REG | Antimony | 0.31 | MG/KG | U | U | | | |
| REG | Arsenic | 11.6 | MG/KG | N* | J | I01 | | |
| REG | Barium | 44.5 | MG/KG | * | = | | | |
| REG | Beryllium | 0.51 | MG/KG | | U | | | |
| REG | Cadmium | 0.22 | MG/KG | B | U | | | |
| REG | Calcium | 2340 | MG/KG | * | = | | | |
| REG | Chromium | 12 | MG/KG | * | = | | | |
| REG | Cobalt | 6.4 | MG/KG | | J | D10 | | |
| REG | Copper | 15.6 | MG/KG | * | = | | | |
| REG | Iron | 21800 | MG/KG | * | = | | | |
| REG | Lead | 11.4 | MG/KG | * | = | | | |
| REG | Magnesium | 2180 | MG/KG | * | = | | | |
| REG | Manganese | 244 | MG/KG | N* | J | I01 | | |
| REG | Mercury | 0.03 | MG/KG | U | U | | | |
| REG | Nickel | 15 | MG/KG | | = | | | |
| REG | Potassium | 559 | MG/KG | | = | | | |
| REG | Selenium | 1.2 | MG/KG | | = | | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 170 | MG/KG | B | J | F06 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-051 Pad #55 center of burn area

Northing: 16211.00
 Easting: 138649.00
 Elevation:

WBGss-051-0510-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Thallium | 2.1 | MG/KG | = | | | | |
| REG | Vanadium | 15.9 | MG/KG | * | = | | | |
| REG | Zinc | 48.1 | MG/KG | * | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | | |
| REG | Toxaphene | 86 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-051 Pad #55 center of burn area

Northing: 16211.00
 Easting: 138649.00
 Elevation:

WBGss-051-0510-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | U | | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | | | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | | |
| REG | Anthracene | 340 | UG/KG | U | U | | | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | | | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | | | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | | | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Carbazole | 340 | UG/KG | U | U | | | |
| REG | Chrysene | 340 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Fluoranthene | 340 | UG/KG | U | U | | | |
| REG | Fluorene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | U | | | |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | | | |
| REG | Isophorone | 340 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | | | |
| REG | Phenanthrene | 340 | UG/KG | U | U | | | |
| REG | Phenol | 340 | UG/KG | U | U | | | |
| REG | Pyrene | 340 | UG/KG | U | U | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | K01 | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-051 Pad #55 center of burn area

Northing: 16211.00
 Easting: 138649.00
 Elevation:

WBGss-051-0510-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|---------------------------|-----------------|----------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2-Dichloropropane | | 5 UG/KG | U | U | | | |
| REG | 1,2-cis-Dichloroethene | | 5 UG/KG | U | U | | | |
| REG | 1,2-trans-Dichloroethene | | 5 UG/KG | U | U | | | |
| REG | 1,3-cis-Dichloropropene | | 5 UG/KG | U | U | | | |
| REG | 1,3-trans-Dichloropropene | | 5 UG/KG | U | U | | | |
| REG | 2-Butanone | | 5 UG/KG | U | U | | | |
| REG | 2-Hexanone | | 5 UG/KG | U | UJ | K01 | | |
| REG | 4-Methyl-2-pentanone | | 5 UG/KG | U | UJ | K01 | | |
| REG | Acetone | | 5 UG/KG | U | U | | | |
| REG | Benzene | | 5 UG/KG | U | U | | | |
| REG | Bromodichloromethane | | 5 UG/KG | U | U | | | |
| REG | Bromoform | | 5 UG/KG | U | U | | | |
| REG | Bromomethane | | 5 UG/KG | U | UJ | C05 | | |
| REG | Carbon Disulfide | | 5 UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | | 5 UG/KG | U | U | | | |
| REG | Chlorobenzene | | 5 UG/KG | U | UJ | K01 | | |
| REG | Chloroethane | | 5 UG/KG | U | UJ | C02 | | |
| REG | Chloroform | | 5 UG/KG | U | U | | | |
| REG | Chloromethane | | 5 UG/KG | U | U | | | |
| REG | Dibromochloromethane | | 5 UG/KG | U | U | | | |
| REG | Ethylbenzene | | 5 UG/KG | U | UJ | K01 | | |
| REG | Methylene Chloride | | 12 UG/KG | | = | | | |
| REG | Styrene | | 5 UG/KG | U | UJ | K01 | | |
| REG | Tetrachloroethene | | 5 UG/KG | U | UJ | K01 | | |
| REG | Toluene | | 65 UG/KG | | J | K01 | | |
| REG | Trichloroethene | | 5 UG/KG | U | U | | | |
| REG | Vinyl Chloride | | 5 UG/KG | U | U | | | |
| REG | Xylenes, Total | | 5 UG/KG | U | UJ | K01 | | |
| REG | o-Xylene | | 5 UG/KG | U | UJ | K01 | | |

Location: Winklepeck Burning Ground
 Station : WBGss-052 Pad #56 center of burn area

Northing: 16218.00
 Easting: 139007.00
 Elevation:

WBGss-052-0512-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 9320 | MG/KG | | = | | | |
| REG | Arsenic | 12 | MG/KG | | = | | | |
| REG | Barium | 86.6 | MG/KG | | = | | | |
| REG | Cadmium | 0.31 | MG/KG | B | J | F06 | | |
| REG | Chromium | 15.5 | MG/KG | E | J | E07 | | |
| REG | Lead | 45.2 | MG/KG | * | J | I01 | | |
| REG | Manganese | 276 | MG/KG | | = | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | | |
| REG | Selenium | 1.2 | MG/KG | | = | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 58.1 | MG/KG | | = | | | |

Location: Winklepeck Burning Ground
 Station : WBGss-053 Pad #43 center of burn area

Northing: 16158.00
 Easting: 133858.00
 Elevation:

WBGss-053-0513-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 92 | DEG F | | | | |
|--------------------|--|-----------------|-----|-------|--|--|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |

Table APPENDIX G1
Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 15200 | MG/KG | * | = | |
| REG | Arsenic | 12.5 | MG/KG | N | = | |
| REG | Barium | 59.2 | MG/KG | * | = | |
| REG | Cadmium | 0.31 | MG/KG | B | J | F06 |
| REG | Chromium | 17.2 | MG/KG | * | = | |
| REG | Lead | 11.4 | MG/KG | * | = | |
| REG | Manganese | 169 | MG/KG | | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.35 | MG/KG | UN | U | |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 58.3 | MG/KG | N | = | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 450 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Winklepeck Burning Ground
Station: WBGss-054 Pad #58 center of burn area

Northing: 16502.00
Easting: 134155.00
Elevation:

WBGss-054-0514-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 12500 | MG/KG | | = | |
| REG | Arsenic | 19 | MG/KG | | = | |
| REG | Barium | 174 | MG/KG | | = | |
| REG | Cadmium | 4.6 | MG/KG | | = | |
| REG | Chromium | 29.3 | MG/KG | | = | |
| REG | Lead | 202 | MG/KG | | = | |
| REG | Manganese | 575 | MG/KG | | = | |
| REG | Mercury | 0.21 | MG/KG | | = | |
| REG | Selenium | 1.3 | MG/KG | | = | |
| REG | Silver | 6.4 | MG/KG | | = | |
| REG | Zinc | 604 | MG/KG | | = | |

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

Table APPENDIX G1

Ravenna Army Annunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-055 Pad #59 center of burn area

Northing: 16511.00
 Easting: 134390.00
 Elevation:

WBGss-055-0515-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 11600 | MG/KG | = | | | |
| REG | Arsenic | 12.1 | MG/KG | = | | | |
| REG | Barium | 96.1 | MG/KG | = | | | |
| REG | Cadmium | 1.3 | MG/KG | = | | | |
| REG | Chromium | 118 | MG/KG | = | | | |
| REG | Lead | 916 | MG/KG | = | | | |
| REG | Manganese | 405 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 1.1 | MG/KG | = | | | |
| REG | Silver | 0.54 | MG/KG | B | J | F06 | |
| REG | Zinc | 1040 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 33000 | UG/KG | DP | J | C08,M07,M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
 Station : WBGss-056 Pad #59 center of burn area

Northing: 16511.00
 Easting: 134484.00
 Elevation:

WBGss-056-0516-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 7070 | MG/KG | = | | | |
| REG | Arsenic | 7.4 | MG/KG | = | | | |
| REG | Barium | 43.1 | MG/KG | = | | | |
| REG | Cadmium | 0.36 | MG/KG | B | J | F06 | |
| REG | Chromium | 11.5 | MG/KG | = | | | |
| REG | Lead | 39 | MG/KG | = | | | |
| REG | Manganese | 177 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | |
| REG | Selenium | 0.34 | MG/KG | U | U | | |
| REG | Silver | 0.22 | MG/KG | B | J | F06 | |
| REG | Zinc | 91.1 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-056 Pad #59 center of burn area

Northing: 16511.00
Easting: 134484.00
Elevation:

WBGss-056-0516-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Winklepeck Burning Ground
Station : WBGss-057 Pad #60 first 1/3 of burn area

Northing: 16511.00
Easting: 134832.00
Elevation:

WBGss-057-0517-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | Aluminum | 9130 | MG/KG | = | | |
| REG | Arsenic | 10.1 | MG/KG | = | | |
| REG | Barium | 207 | MG/KG | = | | |
| REG | Cadmium | 15.1 | MG/KG | = | | |
| REG | Chromium | 27.8 | MG/KG | E | J | E07 |
| REG | Lead | 721 | MG/KG | * | J | I01 |
| REG | Manganese | 428 | MG/KG | = | | |
| REG | Mercury | 0.05 | MG/KG | = | | |
| REG | Selenium | 1.7 | MG/KG | = | | |
| REG | Silver | 5 | MG/KG | = | | |
| REG | Zinc | 1050 | MG/KG | = | | |

WBGss-057-0674-SO 1.5 - 2.0 FT

Field Sample Type: Grab Matrix: Surface Soil

Collected: 08/13/96

| Field Measurements | | Air Temperature | 93 | DEG F | | |
|--------------------|---------------------------|-----------------|-------|----------------|------|-----------------|
| | | Head Space | 11.0 | PPM | | |
| | | Organic Vapor | 16.0 | PPM | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
| REG | 1,1,1-Trichloroethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethene | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloroethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloropropane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-cis-Dichloroethene | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-trans-Dichloroethene | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-cis-Dichloropropene | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-trans-Dichloropropene | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Butanone | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Hexanone | 31 | UG/KG | U | UJ | G02,K01 |
| REG | 4-Methyl-2-pentanone | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 31 | UG/KG | U | UJ | C05,G02,K01 |
| REG | Benzene | 32 | UG/KG | | J | G02,K01 |
| REG | Bromodichloromethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Bromoform | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Bromomethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Disulfide | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Tetrachloride | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Chlorobenzene | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 31 | UG/KG | U | UJ | C02,G02,K01 |
| REG | Chloroform | 23 | UG/KG | J | J | G02,K01 |
| REG | Chloromethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Dibromochloromethane | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Ethylbenzene | 160 | UG/KG | | J | G02,K01 |
| REG | Methylene Chloride | 68 | UG/KG | B | UJ | F01,F07,G02 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-057 Pad #60 first 1/3 of burn area

Northing: 16511.00
 Easting: 134832.00
 Elevation:

WBGss-057-0674-SO 1.5 - 2.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 08/13/96

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-------------------|--------|-------|----------------|------|-----------------|
| REG | Styrene | 36 | UG/KG | J | | G02,K01 |
| REG | Tetrachloroethene | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Toluene | 190 | UG/KG | J | | G02,K01 |
| REG | Trichloroethene | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Vinyl Chloride | 31 | UG/KG | U | UJ | G02,K01 |
| REG | Xylenes, Total | 20 | UG/KG | J | J | G02,K01 |
| REG | o-Xylene | 20 | UG/KG | J | J | G02,K01 |

Location: Winklepeck Burning Ground
 Station : WBGss-058 Pad #60 2nd 1/3 of burn area

Northing: 16511.00
 Easting: 134953.00
 Elevation:

WBGss-058-0520-SO 0.0 - 1.4 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 11300 | MG/KG | = | | |
| REG | Arsenic | 11.6 | MG/KG | = | | |
| REG | Barium | 138 | MG/KG | = | | |
| REG | Cadmium | 11.4 | MG/KG | = | | |
| REG | Chromium | 27.4 | MG/KG | E | J | E07 |
| REG | Lead | 522 | MG/KG | * | J | I01 |
| REG | Manganese | 261 | MG/KG | = | | |
| REG | Mercury | 0.09 | MG/KG | = | | |
| REG | Selenium | 1.3 | MG/KG | = | | |
| REG | Silver | 4.7 | MG/KG | = | | |
| REG | Zinc | 469 | MG/KG | = | | |

Location: Winklepeck Burning Ground
 Station : WBGss-059 Pad #61 center of burn area

Northing: 16515.00
 Easting: 135221.00
 Elevation:

WBGss-059-0518-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/08/96

| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------|--------|-------|----------------|------|-----------------|
| REG | Aluminum | 10600 | MG/KG | = | | |
| REG | Arsenic | 14.5 | MG/KG | = | | |
| REG | Barium | 100 | MG/KG | = | | |
| REG | Cadmium | 27.1 | MG/KG | = | | |
| REG | Chromium | 14.8 | MG/KG | = | | |
| REG | Lead | 89.5 | MG/KG | = | | |
| REG | Manganese | 417 | MG/KG | = | | |
| REG | Mercury | 0.05 | MG/KG | = | | |
| REG | Selenium | 2.6 | MG/KG | = | | |
| REG | Silver | 0.35 | MG/KG | B | J | F06 |
| REG | Zinc | 187 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | |
| REG | 2,4,6-Trinitrotoluene | 760 | UG/KG | P | J | M07,M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

WBGss-059-0521-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 80 | DEG | F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 12100 | MG/KG | = | | | |
| REG | Arsenic | 14.3 | MG/KG | = | | | |
| REG | Barium | 138 | MG/KG | = | | | |
| REG | Cadmium | 52.6 | MG/KG | = | | | |
| REG | Chromium | 18.5 | MG/KG | = | | | |
| REG | Lead | 124 | MG/KG | = | | | |
| REG | Manganese | 435 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | |
| REG | Selenium | 3.7 | MG/KG | = | | | |
| REG | Silver | 0.48 | MG/KG | B | J | F06 | |
| REG | Zinc | 195 | MG/KG | = | | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
|-------------|-----------------------|--------|-------|----------------|------|-----------------|--|
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 380 | UG/KG | P | J | M07,M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
 Station: WBGss-060 Pad #61 center of burn area

Northing: 16515.00
 Easting: 135343.00
 Elevation:

WBGss-060-0522-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 80 | DEG | F | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10300 | MG/KG | = | | | |
| REG | Arsenic | 11.5 | MG/KG | = | | | |
| REG | Barium | 58 | MG/KG | = | | | |
| REG | Cadmium | 1.1 | MG/KG | = | | | |
| REG | Chromium | 13.1 | MG/KG | = | | | |
| REG | Lead | 27.9 | MG/KG | = | | | |
| REG | Manganese | 525 | MG/KG | = | | | |
| REG | Mercury | 0.04 | MG/KG | = | | | |
| REG | Selenium | 0.85 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | J | F06 | |
| REG | Zinc | 108 | MG/KG | = | | | |

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

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-061 Pad #62 center of burn area

Northing: 16527.00
 Easting: 136723.00
 Elevation:

WBGss-061-0523-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 12700 | MG/KG | = | | | |
| REG | Arsenic | 12.1 | MG/KG | = | | | |
| REG | Barium | 130 | MG/KG | = | | | |
| REG | Cadmium | 5.5 | MG/KG | = | | | |
| REG | Chromium | 16.8 | MG/KG | = | | | |
| REG | Lead | 49.9 | MG/KG | = | | | |
| REG | Manganese | 596 | MG/KG | = | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | |
| REG | Selenium | 1 | MG/KG | = | | | |
| REG | Silver | 0.22 | MG/KG | U | J | F06 | |
| REG | Zinc | 229 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | HMX | 2000 | UG/KG | U | U | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | |
| REG | RDX | 1000 | UG/KG | U | U | | |
| REG | Tetryl | 650 | UG/KG | U | U | | |

Location: Winklepeck Burning Ground
 Station: WBGss-062 Pad #62 center of burn area

Northing: 16527.00
 Easting: 135811.00
 Elevation:

WBGss-062-0524-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | Aluminum | 10200 | MG/KG | = | | | |
| REG | Arsenic | 10.4 | MG/KG | = | | | |
| REG | Barium | 140 | MG/KG | = | | | |
| REG | Cadmium | 2.2 | MG/KG | = | | | |
| REG | Chromium | 15.4 | MG/KG | = | | | |
| REG | Lead | 87.2 | MG/KG | = | | | |
| REG | Manganese | 863 | MG/KG | = | | | |
| REG | Mercury | 0.09 | MG/KG | = | | | |
| REG | Selenium | 0.92 | MG/KG | = | | | |
| REG | Silver | 0.23 | MG/KG | B | J | F06 | |
| REG | Zinc | 269 | MG/KG | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,3,5-Trinitrobenzene | 490 | UG/KG | P | J | M07,M08 | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | U | | |
| REG | 2,4,6-Trinitrotoluene | 36000 | UG/KG | DP | J | C08,M07,M08 | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | U | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-062 Pad #62 center of burn area

Northing: 16527.00
Easting: 135811.00
Elevation:

WBGss-062-0524-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/08/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | HMX | 38000 | UG/KG | = | | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 270000 | UG/KG | DP | J | C08,M07,M08 | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
Station : WBGss-063 Pad #63 center of burn area

Northing: 16523.00
Easting: 136095.00
Elevation:

WBGss-063-0525-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 85 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 14300 | MG/KG | = | | | | |
| REG | Arsenic | 14.9 | MG/KG | = | | | | |
| REG | Barium | 79.7 | MG/KG | = | | | | |
| REG | Cadmium | 0.35 | MG/KG | B | J | F06 | | |
| REG | Chromium | 20 | MG/KG | E | J | E07 | | |
| REG | Lead | 40.1 | MG/KG | * | J | I01 | | |
| REG | Manganese | 566 | MG/KG | = | | | | |
| REG | Mercury | 0.05 | MG/KG | = | | | | |
| REG | Selenium | 1.3 | MG/KG | = | | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 79 | MG/KG | = | | | | |

Location: Winklepeck Burning Ground
Station : WBGss-064 Pad #63 center of burn area

Northing: 16523.00
Easting: 136221.00
Elevation:

WBGss-064-0526-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/07/96

| Field Measurements | | Air Temperature | 93 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 13500 | MG/KG | = | | | | |
| REG | Arsenic | 14.3 | MG/KG | = | | | | |
| REG | Barium | 69.2 | MG/KG | = | | | | |
| REG | Cadmium | 0.5 | MG/KG | B | J | F06 | | |
| REG | Chromium | 18.6 | MG/KG | E | J | E07 | | |
| REG | Lead | 57.7 | MG/KG | * | J | I01 | | |
| REG | Manganese | 581 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | | |
| REG | Selenium | 1.8 | MG/KG | = | | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 288 | MG/KG | = | | | | |

Location: Winklepeck Burning Ground
Station : WBGss-065 Pad #64 center of burn area

Northing: 16534.00
Easting: 136416.00
Elevation:

WBGss-065-0527-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 93 | DEG F | | | | |
|--------------------|--|-----------------|-----|-------|--|--|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 11300 | MG/KG | = | | |
| REG | Arsenic | 14.8 | MG/KG | N | = | |
| REG | Barium | 180 | MG/KG | N* | = | |
| REG | Cadmium | 0.23 | MG/KG | B | J | F06 |
| REG | Chromium | 13.3 | MG/KG | = | | |
| REG | Lead | 31.9 | MG/KG | * | = | |
| REG | Manganese | 603 | MG/KG | * | = | |
| REG | Mercury | 0.04 | MG/KG | U | U | |
| REG | Selenium | 0.5 | MG/KG | BN | J | F06 |
| REG | Silver | 0.23 | MG/KG | U | U | |
| REG | Zinc | 68.5 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 420 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 2000 | UG/KG | U | U | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 1000 | UG/KG | U | U | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Winklepeck Burning Ground
 Station : WBGss-066 Pad #64 center of burn area

Northing: 16534.00
 Easting: 136509.00
 Elevation:

WBGss-066-0528-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

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

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 9890 | MG/KG | * | = | |
| REG | Antimony | 0.31 | MG/KG | UN | U | |
| REG | Arsenic | 12.6 | MG/KG | = | | |
| REG | Barium | 83.1 | MG/KG | N* | = | |
| REG | Beryllium | 0.55 | MG/KG | = | | |
| REG | Cadmium | 0.04 | MG/KG | U | U | |
| REG | Calcium | 1310 | MG/KG | N* | J | |
| REG | Chromium | 10.6 | MG/KG | = | | |
| REG | Cobalt | 8.7 | MG/KG | = | | |
| REG | Copper | 9.9 | MG/KG | * | = | |
| REG | Iron | 18500 | MG/KG | = | | |
| REG | Lead | 16 | MG/KG | = | | |
| REG | Magnesium | 1660 | MG/KG | = | | |
| REG | Manganese | 712 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Nickel | 11 | MG/KG | = | | |
| REG | Potassium | 622 | MG/KG | N | = | |
| REG | Selenium | 0.31 | MG/KG | UN | U | |
| REG | Silver | 0.2 | MG/KG | U | U | |
| REG | Sodium | 169 | MG/KG | B | J | F06 |
| REG | Thallium | 1.9 | MG/KG | N* | = | |
| REG | Vanadium | 19.1 | MG/KG | * | = | |
| REG | Zinc | 43.5 | MG/KG | = | | |

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-066 Pad #64 center of burn area

Northing: 16534.00
 Easting: 136509.00
 Elevation:

WBGss-066-0528-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

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

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | |
| REG | Aldrin | 1.4 | UG/KG | U | U | |
| REG | Alpha Chlordane | 1.4 | UG/KG | U | U | |
| REG | Alpha-BHC | 1.4 | UG/KG | U | U | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | |
| REG | Aroclor-1254 | 70 | UG/KG | U | U | |
| REG | Aroclor-1260 | 70 | UG/KG | U | U | |
| REG | Beta-BHC | 1.4 | UG/KG | U | U | |
| REG | Delta-BHC | 1.4 | UG/KG | U | U | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | |
| REG | Endosulfan I | 1.4 | UG/KG | U | U | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | |
| REG | Endrin | 2.6 | UG/KG | U | U | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | |
| REG | Gamma Chlordane | 1.4 | UG/KG | U | U | |
| REG | Gamma-BHC (Lindane) | 1.4 | UG/KG | U | U | |
| REG | Heptachlor | 1.4 | UG/KG | U | U | |
| REG | Heptachlor Epoxide | 1.4 | UG/KG | U | U | |
| REG | Methoxychlor | 14 | UG/KG | U | U | |
| REG | Toxaphene | 86 | UG/KG | U | U | |

| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|-------------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | |
| REG | 2,4,5-Trichlorophenol | 830 | UG/KG | U | U | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | |
| REG | 2,4-Dinitrophenol | 830 | UG/KG | U | UJ | C05 |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | |
| REG | 2-Nitroaniline | 830 | UG/KG | U | U | |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-066 Pad #64 center of burn area

Northing: 16534.00
 Easting: 136509.00
 Elevation:

WBGss-066-0528-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|-----|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 3,3'-Dichlorobenzidine | 830 | UG/KG | U | U | | | |
| REG | 3-Nitroaniline | 830 | UG/KG | U | U | | | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | | | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | | | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | | | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | | | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | | | |
| REG | 4-Nitroaniline | 830 | UG/KG | U | U | | | |
| REG | 4-Nitrophenol | 830 | UG/KG | U | U | | | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | | | |
| REG | Acenaphthene | 340 | UG/KG | U | U | | | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | | | |
| REG | Anthracene | 340 | UG/KG | U | U | | | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | | | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | | | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | | | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Carbazole | 340 | UG/KG | U | U | | | |
| REG | Chrysene | 340 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | | | |
| REG | Fluoranthene | 40 | UG/KG | J | J | | | |
| REG | Fluorene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | JJ | | | C05 |
| REG | Hexachloroethane | 340 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | | | |
| REG | Isophorone | 340 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | | | |
| REG | Naphthalene | 340 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 830 | UG/KG | U | U | | | |
| REG | Phenanthrene | 340 | UG/KG | U | U | | | |
| REG | Phenol | 340 | UG/KG | U | U | | | |
| REG | Pyrene | 36 | UG/KG | J | J | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REA | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | | |
| REA | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | | |
| REA | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | | |
| REA | 1,1-Dichloroethane | 5 | UG/KG | U | U | | | |
| REA | 1,1-Dichloroethene | 5 | UG/KG | U | U | | | |
| REA | 1,2-Dichloroethane | 5 | UG/KG | U | U | | | |
| REA | 1,2-Dichloropropane | 5 | UG/KG | U | U | | | |
| REA | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | | |
| REA | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | | |
| REA | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | | |
| REA | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | | |
| REA | 2-Butanone | 5 | UG/KG | U | U | | | |
| REA | 2-Hexanone | 5 | UG/KG | U | U | | | |
| REA | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-066 Pad #64 center of burn area

Northing: 16534.00
 Easting: 136509.00
 Elevation:

WBGss-066-0528-SO 0.0 - 2.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 08/09/96

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

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REA | Acetone | 5 | UG/KG | U | U | |
| REA | Benzene | 5 | UG/KG | U | U | |
| REA | Bromodichloromethane | 5 | UG/KG | U | U | |
| REA | Bromoform | 5 | UG/KG | U | U | |
| REA | Bromomethane | 5 | UG/KG | U | U | |
| REA | Carbon Disulfide | 5 | UG/KG | U | U | |
| REA | Carbon Tetrachloride | 5 | UG/KG | U | U | |
| REA | Chlorobenzene | 5 | UG/KG | U | U | |
| REA | Chloroethane | 5 | UG/KG | U | UJ | C02 |
| REA | Chloroform | 2 | UG/KG | J | J | |
| REA | Chloromethane | 5 | UG/KG | U | U | |
| REA | Dibromochloromethane | 5 | UG/KG | U | U | |
| REA | Ethylbenzene | 5 | UG/KG | U | U | |
| REA | Methylene Chloride | 7 | UG/KG | B | UJ | C05,F01,F07 |
| REA | Styrene | 5 | UG/KG | U | U | |
| REA | Tetrachloroethene | 5 | UG/KG | U | U | |
| REA | Toluene | 10 | UG/KG | | = | |
| REA | Trichloroethene | 5 | UG/KG | U | U | |
| REA | Vinyl Chloride | 5 | UG/KG | U | U | |
| REA | Xylenes, Total | 5 | UG/KG | U | U | |
| REA | o-Xylene | 5 | UG/KG | U | U | |

| Sample Type | Volatile Organics | Result | Units | Qualifiers | | Validation Code |
|-------------|---------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | C05 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05 |
| REG | Benzene | 5 | UG/KG | U | U | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | |
| REG | Bromoform | 5 | UG/KG | U | U | |
| REG | Bromomethane | 5 | UG/KG | U | U | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 |
| REG | Chloroform | 5 | UG/KG | U | U | |
| REG | Chloromethane | 5 | UG/KG | U | U | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | |
| REG | Methylene Chloride | 9 | UG/KG | B | U | F01,F07 |
| REG | Styrene | 5 | UG/KG | U | U | |
| REG | Tetrachloroethene | 5 | UG/KG | U | U | |
| REG | Toluene | 19 | UG/KG | | = | |
| REG | Trichloroethene | 5 | UG/KG | U | U | |
| REG | Vinyl Chloride | 5 | UG/KG | U | U | |
| REG | Xylenes, Total | 5 | UG/KG | U | U | |
| REG | o-Xylene | 5 | UG/KG | U | U | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-067 Pad #65 center of burn area

Northing: 16533.00
 Easting: 136969.00
 Elevation:

WBGss-067-0529-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 17500 | MG/KG | = | | | | |
| REG | Arsenic | 17.2 | MG/KG | N | = | | | |
| REG | Barium | 170 | MG/KG | N* | = | | | |
| REG | Cadmium | 0.12 | MG/KG | B | J | F06 | | |
| REG | Chromium | 23 | MG/KG | | = | | | |
| REG | Lead | 49.2 | MG/KG | * | = | | | |
| REG | Manganese | 390 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.35 | MG/KG | UN | U | | | |
| REG | Silver | 0.27 | MG/KG | B | J | F06 | | |
| REG | Zinc | 170 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 530 | UG/KG | | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

WBGss-067-0530-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 15900 | MG/KG | | = | | | |
| REG | Arsenic | 13.1 | MG/KG | N | = | | | |
| REG | Barium | 154 | MG/KG | N* | = | | | |
| REG | Cadmium | 0.1 | MG/KG | B | J | F06 | | |
| REG | Chromium | 20.6 | MG/KG | | = | | | |
| REG | Lead | 37 | MG/KG | * | = | | | |
| REG | Manganese | 409 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.35 | MG/KG | UN | U | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 191 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 440 | UG/KG | | = | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-068 Pad #66 center of burn area

Northing: 16542.00
 Easting: 137269.00
 Elevation:

WBGss-068-0532-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 12900 | MG/KG | = | | | | |
| REG | Arsenic | 11.7 | MG/KG | N | = | | | |
| REG | Barium | 176 | MG/KG | N* | = | | | |
| REG | Cadmium | 0.05 | MG/KG | U | U | | | |
| REG | Chromium | 14.9 | MG/KG | = | | | | |
| REG | Lead | 17.5 | MG/KG | * | = | | | |
| REG | Manganese | 358 | MG/KG | * | = | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.36 | MG/KG | UN | U | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 79 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 470 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
 Station: WBGss-069 Pad #66 center of burn area

Northing: 16542.00
 Easting: 137373.00
 Elevation:

WBGss-069-0533-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 14800 | MG/KG | = | | | | |
| REG | Arsenic | 15.6 | MG/KG | N | = | | | |
| REG | Barium | 7780 | MG/KG | N* | = | | | |
| REG | Cadmium | 4.8 | MG/KG | = | | | | |
| REG | Chromium | 16.5 | MG/KG | = | | | | |
| REG | Lead | 289 | MG/KG | * | = | | | |
| REG | Manganese | 784 | MG/KG | * | = | | | |
| REG | Mercury | 0.28 | MG/KG | = | | | | |
| REG | Selenium | 0.37 | MG/KG | UN | U | | | |
| REG | Silver | 0.33 | MG/KG | B | J | F06 | | |
| REG | Zinc | 1050 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 76000 | UG/KG | = | | | | |
| REG | 1,3-Dinitrobenzene | 12500 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 3800000 | UG/KG | E | = | | | |
| REG | 2,4-Dinitrotoluene | 12500 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 13000 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 12500 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 12500 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 12500 | UG/KG | U | U | | | |
| REG | HMX | 100000 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-069 Pad #66 center of burn area

Northing: 16542.00
 Easting: 137373.00
 Elevation:

WBGss-069-0533-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 13000 | UG/KG | U | U | | | |
| REG | RDX | 50000 | UG/KG | U | U | | | |
| REG | Tetryl | 32500 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
 Station : WBGss-070 Pad #67 center of burn area

Northing: 16544.00
 Easting: 137691.00
 Elevation:

WBGss-070-0534-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 70 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 10500 | MG/KG | = | | | | |
| REG | Arsenic | 10.7 | MG/KG | = | | | | |
| REG | Barium | 377 | MG/KG | = | | | | |
| REG | Cadmium | 0.23 | MG/KG | B | J | F06 | | |
| REG | Chromium | 12.5 | MG/KG | = | | | | |
| REG | Lead | 54.7 | MG/KG | = | | | | |
| REG | Manganese | 568 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | | |
| REG | Selenium | 0.42 | MG/KG | B | J | F06 | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 83.3 | MG/KG | = | | | | |

| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
|-------------|-----------------------|---------|-------|----------------|------|-----------------|--|--|
| REG | 1,3,5-Trinitrobenzene | 490000 | UG/KG | = | | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 3400000 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 1700000 | UG/KG | = | | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 9500000 | UG/KG | = | | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
 Station : WBGss-071 Pad #67 center of burn area

Northing: 16576.00
 Easting: 137758.00
 Elevation:

WBGss-071-0535-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 6330 | MG/KG | = | | | | |
| REG | Arsenic | 15.8 | MG/KG | = | | | | |
| REG | Barium | 69.8 | MG/KG | = | | | | |
| REG | Cadmium | 0.07 | MG/KG | B | J | F06 | | |
| REG | Chromium | 7 | MG/KG | = | | | | |
| REG | Lead | 16.1 | MG/KG | = | | | | |
| REG | Manganese | 165 | MG/KG | = | | | | |
| REG | Mercury | 0.13 | MG/KG | = | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station: WBGss-071 Pad #67 center of burn area

Northing: 16576.00
Easting: 137758.00
Elevation:

WBGss-071-0535-SO 0.0 - 1.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Selenium | 0.34 | MG/KG | U | U | | | |
| REG | Silver | 0.22 | MG/KG | U | U | | | |
| REG | Zinc | 36.2 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 2300 | UG/KG | = | | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
Station: WBGss-072 Pad #68 center of burn area

Northing: 16545.00
Easting: 138015.00
Elevation:

WBGss-072-0536-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Cyanide | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Cyanide | 0.76 | MG/KG | U | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 7420 | MG/KG | * | = | | | |
| REG | Antimony | 2.6 | MG/KG | N | = | | | |
| REG | Arsenic | 9.3 | MG/KG | | = | | | |
| REG | Barium | 920 | MG/KG | N* | = | | | |
| REG | Beryllium | 0.47 | MG/KG | | = | | | |
| REG | Cadmium | 1 | MG/KG | | = | | | |
| REG | Calcium | 3600 | MG/KG | N* | J | | | |
| REG | Chromium | 14 | MG/KG | | = | | | |
| REG | Cobalt | 5.8 | MG/KG | | = | | | |
| REG | Copper | 29.3 | MG/KG | * | = | | | |
| REG | Iron | 15100 | MG/KG | | = | | | |
| REG | Lead | 201 | MG/KG | | = | | | |
| REG | Magnesium | 1690 | MG/KG | | = | | | |
| REG | Manganese | 443 | MG/KG | * | = | | | |
| REG | Mercury | 0.16 | MG/KG | | = | | | |
| REG | Nickel | 10.2 | MG/KG | | = | | | |
| REG | Potassium | 400 | MG/KG | BN | J | F06 | | |
| REG | Selenium | 0.37 | MG/KG | BN | J | F06 | | |
| REG | Silver | 0.2 | MG/KG | U | U | | | |
| REG | Sodium | 86.5 | MG/KG | B | J | F06 | | |
| REG | Thallium | 1.9 | MG/KG | N* | = | | | |
| REG | Vanadium | 13.1 | MG/KG | * | = | | | |
| REG | Zinc | 149 | MG/KG | | = | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-072 Pad #68 center of burn area

Northing: 16545.00
 Easting: 138015.00
 Elevation:

WBGss-072-0536-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 4,4'-DDD | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDE | 2.6 | UG/KG | U | U | | | |
| REG | 4,4'-DDT | 2.6 | UG/KG | U | U | | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Aroclor-1016 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1221 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1232 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1242 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1248 | 34 | UG/KG | U | U | | | |
| REG | Aroclor-1254 | 69 | UG/KG | U | U | | | |
| REG | Aroclor-1260 | 69 | UG/KG | U | U | | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | | |
| REG | Dieldrin | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | | |
| REG | Endosulfan II | 2.6 | UG/KG | U | U | | | |
| REG | Endosulfan Sulfate | 2.6 | UG/KG | U | U | | | |
| REG | Endrin | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Aldehyde | 2.6 | UG/KG | U | U | | | |
| REG | Endrin Ketone | 2.6 | UG/KG | U | U | | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | | |
| REG | Toxaphene | 86 | UG/KG | U | U | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,2,4-Trichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,2-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,3-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 1,4-Dichlorobenzene | 340 | UG/KG | U | U | | | |
| REG | 2,2'-oxybis (1-chloropropane) | 340 | UG/KG | U | U | | | |
| REG | 2,4,5-Trichlorophenol | 820 | UG/KG | U | U | | | |
| REG | 2,4,6-Trichlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dichlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dimethylphenol | 340 | UG/KG | U | U | | | |
| REG | 2,4-Dinitrophenol | 820 | UG/KG | U | UJ | C05 | | |
| REG | 2-Chloronaphthalene | 340 | UG/KG | U | U | | | |
| REG | 2-Chlorophenol | 340 | UG/KG | U | U | | | |
| REG | 2-Methylnaphthalene | 340 | UG/KG | U | U | | | |
| REG | 2-Methylphenol | 340 | UG/KG | U | U | | | |
| REG | 2-Nitroaniline | 820 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-072 Pad #68 center of burn area

Northing: 16545.00
 Easting: 138015.00
 Elevation:

WBGss-072-0536-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|----------------------------|-----------------|-------|---------------------|----|-----------------|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab Data | | Validation Code |
| REG | 2-Nitrophenol | 340 | UG/KG | U | U | |
| REG | 3,3'-Dichlorobenzidine | 820 | UG/KG | U | U | |
| REG | 3-Nitroaniline | 820 | UG/KG | U | U | |
| REG | 4,6-Dinitro-o-Cresol | 340 | UG/KG | U | U | |
| REG | 4-Bromophenyl-phenyl Ether | 340 | UG/KG | U | U | |
| REG | 4-Chloroaniline | 340 | UG/KG | U | U | |
| REG | 4-Chlorophenyl-phenylether | 340 | UG/KG | U | U | |
| REG | 4-Methylphenol | 340 | UG/KG | U | U | |
| REG | 4-Nitroaniline | 820 | UG/KG | U | U | |
| REG | 4-Nitrophenol | 820 | UG/KG | U | U | |
| REG | 4-chloro-3-methylphenol | 340 | UG/KG | U | U | |
| REG | Acenaphthene | 340 | UG/KG | U | U | |
| REG | Acenaphthylene | 340 | UG/KG | U | U | |
| REG | Anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)anthracene | 340 | UG/KG | U | U | |
| REG | Benzo(a)pyrene | 340 | UG/KG | U | U | |
| REG | Benzo(b)fluoranthene | 340 | UG/KG | U | U | |
| REG | Benzo(g,h,i)perylene | 340 | UG/KG | U | U | |
| REG | Benzo(k)fluoranthene | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethoxy)methane | 340 | UG/KG | U | U | |
| REG | Bis(2-chloroethyl)ether | 340 | UG/KG | U | U | |
| REG | Bis(2-ethylhexyl)phthalate | 340 | UG/KG | U | U | |
| REG | Butyl Benzyl Phthalate | 340 | UG/KG | U | U | |
| REG | Carbazole | 340 | UG/KG | U | U | |
| REG | Chrysene | 340 | UG/KG | U | U | |
| REG | Di-n-butyl Phthalate | 340 | UG/KG | U | U | |
| REG | Di-n-octyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dibenzo(a,h)anthracene | 340 | UG/KG | U | U | |
| REG | Dibenzofuran | 340 | UG/KG | U | U | |
| REG | Diethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Dimethyl Phthalate | 340 | UG/KG | U | U | |
| REG | Fluoranthene | 340 | UG/KG | U | U | |
| REG | Fluorene | 340 | UG/KG | U | U | |
| REG | Hexachlorobenzene | 340 | UG/KG | U | U | |
| REG | Hexachlorobutadiene | 340 | UG/KG | U | U | |
| REG | Hexachlorocyclopentadiene | 340 | UG/KG | U | UJ | C05 |
| REG | Hexachloroethane | 340 | UG/KG | U | U | |
| REG | Indeno(1,2,3-cd)pyrene | 340 | UG/KG | U | U | |
| REG | Isophorone | 340 | UG/KG | U | U | |
| REG | N-Nitroso-di-n-propylamine | 340 | UG/KG | U | U | |
| REG | N-Nitrosodiphenylamine | 340 | UG/KG | U | U | |
| REG | Naphthalene | 340 | UG/KG | U | U | |
| REG | Pentachlorophenol | 820 | UG/KG | U | U | |
| REG | Phenanthrene | 340 | UG/KG | U | U | |
| REG | Phenol | 340 | UG/KG | U | U | |
| REG | Pyrene | 340 | UG/KG | U | U | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab Data | | Validation Code |
| REA | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | |
| REA | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | |
| REA | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | |
| REA | 1,1-Dichloroethane | 5 | UG/KG | U | U | |
| REA | 1,1-Dichloroethene | 5 | UG/KG | U | U | |
| REA | 1,2-Dichloroethane | 5 | UG/KG | U | U | |
| REA | 1,2-Dichloropropane | 5 | UG/KG | U | U | |
| REA | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | |
| REA | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | |
| REA | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | |
| REA | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | |
| REA | 2-Butanone | 5 | UG/KG | U | U | |
| REA | 2-Hexanone | 5 | UG/KG | U | UJ | K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station: WBGss-072 Pad #68 center of burn area

Northing: 16545.00
 Easting: 138015.00
 Elevation:

WBGss-072-0536-SO 0.0 - 2.0 FT

Field Sample Type: Grab Composite

Matrix: Surface Soil

Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F |
|--------------------|--|-----------------|-----|-------|
| | | Head Space | 0.0 | PPM |
| | | Organic Vapor | 0.0 | PPM |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|----------------------|--------|-------|----------------|------|-----------------|
| REA | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | K01 |
| REA | Acetone | 5 | UG/KG | U | U | |
| REA | Benzene | 5 | UG/KG | U | U | |
| REA | Bromodichloromethane | 5 | UG/KG | U | U | |
| REA | Bromoform | 5 | UG/KG | U | U | |
| REA | Bromomethane | 5 | UG/KG | U | U | |
| REA | Carbon Disulfide | 5 | UG/KG | U | U | |
| REA | Carbon Tetrachloride | 5 | UG/KG | U | U | |
| REA | Chlorobenzene | 5 | UG/KG | U | UJ | K01 |
| REA | Chloroethane | 5 | UG/KG | U | UJ | C02 |
| REA | Chloroform | 2 | UG/KG | J | J | |
| REA | Chloromethane | 5 | UG/KG | U | U | |
| REA | Dibromochloromethane | 5 | UG/KG | U | U | |
| REA | Ethylbenzene | 5 | UG/KG | U | UJ | K01 |
| REA | Methylene Chloride | 10 | UG/KG | B | UJ | C05,F01,F07 |
| REA | Styrene | 5 | UG/KG | U | UJ | K01 |
| REA | Tetrachloroethene | 5 | UG/KG | U | UJ | K01 |
| REA | Toluene | 65 | UG/KG | | J | K01 |
| REA | Trichloroethene | 5 | UG/KG | U | U | |
| REA | Vinyl Chloride | 5 | UG/KG | U | U | |
| REA | Xylenes, Total | 5 | UG/KG | U | UJ | K01 |
| REA | o-Xylene | 5 | UG/KG | U | UJ | K01 |

| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code |
|-------------|---------------------------|--------|-------|----------------|------|-----------------|
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05,G02,K01 |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | C05,G02,K01 |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05,G02 |
| REG | Benzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromodichloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromoform | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Bromomethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Disulfide | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chlorobenzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chloroethane | 5 | UG/KG | U | UJ | CO2,G02,K01 |
| REG | Chloroform | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Chloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Dibromochloromethane | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Ethylbenzene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Methylene Chloride | 20 | UG/KG | B | UJ | F01,F07,G02 |
| REG | Styrene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Tetrachloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Toluene | 81 | UG/KG | | J | G02,K01 |
| REG | Trichloroethene | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Vinyl Chloride | 5 | UG/KG | U | UJ | G02,K01 |
| REG | Xylenes, Total | 5 | UG/KG | U | UJ | G02,K01 |
| REG | o-Xylene | 5 | UG/KG | U | UJ | G02,K01 |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-073 Pad #68 center of burn area

Northing: 16546.00
 Easting: 138121.00
 Elevation:

WBGss-073-0537-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 7700 | MG/KG | = | | | | |
| REG | Arsenic | 7.8 | MG/KG | = | | | | |
| REG | Barium | 581 | MG/KG | = | | | | |
| REG | Cadmium | 0.96 | MG/KG | = | | | | |
| REG | Chromium | 23 | MG/KG | = | | | | |
| REG | Lead | 589 | MG/KG | = | | | | |
| REG | Manganese | 246 | MG/KG | = | | | | |
| REG | Mercury | 0.07 | MG/KG | = | | | | |
| REG | Selenium | 0.36 | MG/KG | U | U | | | |
| REG | Silver | 0.23 | MG/KG | U | U | | | |
| REG | Zinc | 221 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 480 | UG/KG | P | J | M08 | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 2000 | UG/KG | U | U | | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

Location: Winklepeck Burning Ground
 Station : WBGss-074 Pad #69 center of burn area

Northing: 16550.00
 Easting: 138389.00
 Elevation:

WBGss-074-0538-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 7420 | MG/KG | = | | | | |
| REG | Arsenic | 11.7 | MG/KG | = | | | | |
| REG | Barium | 38.1 | MG/KG | = | | | | |
| REG | Cadmium | 0.16 | MG/KG | B | J | F06 | | |
| REG | Chromium | 9.3 | MG/KG | = | | | | |
| REG | Lead | 19.7 | MG/KG | = | | | | |
| REG | Manganese | 309 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | | |
| REG | Selenium | 0.33 | MG/KG | U | U | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 59.3 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | UJ | A03 | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | A03 | | |
| REG | 2,4,6-Trinitrotoluene | 1000 | UG/KG | J | | A03 | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | A03 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | UJ | A03 | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | UJ | A03 | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | UJ | A03 | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | UJ | A03 | | |
| REG | HMX | 4400 | UG/KG | J | | A03 | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-074 Pad #69 center of burn area

Northing: 16550.00
 Easting: 138389.00
 Elevation:

WBGss-074-0538-SO 0.0 - 0.5 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|--------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Nitrobenzene | 260 | UG/KG | U | UJ | A03 | | |
| REG | RDX | 1000 | UG/KG | U | UJ | A03 | | |
| REG | Tetryl | 650 | UG/KG | U | UJ | A03 | | |

Location: Winklepeck Burning Ground
 Station : WBGss-075 Pad #69 center of burn area

Northing: 16550.00
 Easting: 138480.00
 Elevation:

WBGss-075-0539-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 6000 | MG/KG | = | | | | |
| REG | Arsenic | 10.8 | MG/KG | = | | | | |
| REG | Barium | 35.6 | MG/KG | = | | | | |
| REG | Cadmium | 0.16 | MG/KG | B | J | F06 | | |
| REG | Chromium | 10.2 | MG/KG | = | | | | |
| REG | Lead | 11.7 | MG/KG | = | | | | |
| REG | Manganese | 438 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | U | U | | | |
| REG | Selenium | 0.34 | MG/KG | B | J | F06 | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 54 | MG/KG | = | | | | |
| Sample Type | Explosives | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | | | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 | | |
| REG | 2,4,6-Trinitrotoluene | 480 | UG/KG | P | J | M08 | | |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 | | |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | | | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | | | |
| REG | HMX | 1900 | UG/KG | J | J | F06 | | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | | | |
| REG | RDX | 1000 | UG/KG | U | U | | | |
| REG | Tetryl | 650 | UG/KG | U | U | | | |

WBGss-075-0540-FD 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|-----------|-----------------|-------|----------------|------|-----------------|--|--|
| Sample Type | Metals | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Aluminum | 6440 | MG/KG | = | | | | |
| REG | Arsenic | 6.2 | MG/KG | = | | | | |
| REG | Barium | 64.6 | MG/KG | = | | | | |
| REG | Cadmium | 0.14 | MG/KG | B | J | F06 | | |
| REG | Chromium | 6.7 | MG/KG | = | | | | |
| REG | Lead | 11 | MG/KG | = | | | | |
| REG | Manganese | 530 | MG/KG | = | | | | |
| REG | Mercury | 0.04 | MG/KG | B | J | F06 | | |
| REG | Selenium | 0.33 | MG/KG | U | U | | | |
| REG | Silver | 0.21 | MG/KG | U | U | | | |
| REG | Zinc | 41.3 | MG/KG | = | | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Explosives | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | 1,3,5-Trinitrobenzene | 250 | UG/KG | U | U | |
| REG | 1,3-Dinitrobenzene | 250 | UG/KG | U | UJ | H02,P02 |
| REG | 2,4,6-Trinitrotoluene | 730 | UG/KG | P | J | M08 |
| REG | 2,4-Dinitrotoluene | 250 | UG/KG | U | UJ | D08,C05 |
| REG | 2,6-Dinitrotoluene | 260 | UG/KG | U | U | |
| REG | 2-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 3-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | 4-Nitrotoluene | 250 | UG/KG | U | U | |
| REG | HMX | 17000 | UG/KG | = | = | |
| REG | Nitrobenzene | 260 | UG/KG | U | U | |
| REG | RDX | 34000 | UG/KG | = | = | |
| REG | Tetryl | 650 | UG/KG | U | U | |

Location: Winklepeck Burning Ground
 Station: WBGss-076 Pad #70 center of burn area

Northing: 16553.00
 Easting: 138664.00
 Elevation:

WBGss-076-0541-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | Air Temperature | 80 | DEG F |
|--------------------|-----------------|-----|-------|
| | Head Space | 0.0 | PPM |
| | Organic Vapor | 0.0 | PPM |

| Sample Type | Cyanide | Result | Units | Qualifiers | | Validation Code |
|-------------|---------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Cyanide | 0.13 | MG/KG | B | U | |

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 9980 | MG/KG | * | = | |
| REG | Antimony | 0.3 | MG/KG | UN | U | |
| REG | Arsenic | 7.8 | MG/KG | = | = | |
| REG | Barium | 49.9 | MG/KG | N* | = | |
| REG | Beryllium | 0.47 | MG/KG | = | = | |
| REG | Cadmium | 0.1 | MG/KG | B | J | F06 |
| REG | Calcium | 1200 | MG/KG | N* | J | |
| REG | Chromium | 10 | MG/KG | = | = | |
| REG | Cobalt | 7.2 | MG/KG | = | = | |
| REG | Copper | 9.3 | MG/KG | * | = | |
| REG | Iron | 14400 | MG/KG | = | = | |
| REG | Lead | 11 | MG/KG | = | = | |
| REG | Magnesium | 1710 | MG/KG | = | = | |
| REG | Manganese | 464 | MG/KG | * | = | |
| REG | Mercury | 0.03 | MG/KG | U | U | |
| REG | Nickel | 11.1 | MG/KG | = | = | |
| REG | Potassium | 559 | MG/KG | N | = | |
| REG | Selenium | 0.6 | MG/KG | N | = | |
| REG | Silver | 0.19 | MG/KG | U | U | |
| REG | Sodium | 77.8 | MG/KG | B | J | F06 |
| REG | Thallium | 1.9 | MG/KG | N* | = | |
| REG | Vanadium | 16.4 | MG/KG | * | = | |
| REG | Zinc | 47.9 | MG/KG | = | = | |

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

| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers | | Validation Code |
|-------------|------------------------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-076 Pad #70 center of burn area

Northing: 16553.00
 Easting: 138664.00
 Elevation:

WBGss-076-0541-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | |
|--------------------|-------------------------------|-----------------|-------|----------------|------|-----------------|--|
| | | Head Space | 0.0 | PPM | | | |
| | | Organic Vapor | 0.0 | PPM | | | |
| Sample Type | Pesticides and/or PCBs | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 4,4'-DDD | 2.5 | UG/KG | U | U | | |
| REG | 4,4'-DDE | 2.5 | UG/KG | U | U | | |
| REG | 4,4'-DDT | 2.5 | UG/KG | U | U | | |
| REG | Aldrin | 1.3 | UG/KG | U | U | | |
| REG | Alpha Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Alpha-BHC | 1.3 | UG/KG | U | U | | |
| REG | Aroclor-1016 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1221 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1232 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1242 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1248 | 33 | UG/KG | U | U | | |
| REG | Aroclor-1254 | 67 | UG/KG | U | U | | |
| REG | Aroclor-1260 | 67 | UG/KG | U | U | | |
| REG | Beta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Delta-BHC | 1.3 | UG/KG | U | U | | |
| REG | Dieldrin | 2.5 | UG/KG | U | U | | |
| REG | Endosulfan I | 1.3 | UG/KG | U | U | | |
| REG | Endosulfan II | 2.5 | UG/KG | U | U | | |
| REG | Endosulfan Sulfate | 2.5 | UG/KG | U | U | | |
| REG | Endrin | 2.5 | UG/KG | U | U | | |
| REG | Endrin Aldehyde | 2.5 | UG/KG | U | U | | |
| REG | Endrin Ketone | 2.5 | UG/KG | U | U | | |
| REG | Gamma Chlordane | 1.3 | UG/KG | U | U | | |
| REG | Gamma-BHC (Lindane) | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor | 1.3 | UG/KG | U | U | | |
| REG | Heptachlor Epoxide | 1.3 | UG/KG | U | U | | |
| REG | Methoxychlor | 13 | UG/KG | U | U | | |
| REG | Toxaphene | 83 | UG/KG | U | U | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | |
| REG | 1,2,4-Trichlorobenzene | 330 | UG/KG | U | U | | |
| REG | 1,2-Dichlorobenzene | 330 | UG/KG | U | U | | |
| REG | 1,3-Dichlorobenzene | 330 | UG/KG | U | U | | |
| REG | 1,4-Dichlorobenzene | 330 | UG/KG | U | U | | |
| REG | 2,2'-oxybis (1-chloropropane) | 330 | UG/KG | U | U | | |
| REG | 2,4,5-Trichlorophenol | 800 | UG/KG | U | U | | |
| REG | 2,4,6-Trichlorophenol | 330 | UG/KG | U | U | | |
| REG | 2,4-Dichlorophenol | 330 | UG/KG | U | U | | |
| REG | 2,4-Dimethylphenol | 330 | UG/KG | U | U | | |
| REG | 2,4-Dinitrophenol | 800 | UG/KG | U | UJ | C05 | |
| REG | 2-Chloronaphthalene | 330 | UG/KG | U | U | | |
| REG | 2-Chlorophenol | 330 | UG/KG | U | U | | |
| REG | 2-Methylnaphthalene | 330 | UG/KG | U | U | | |
| REG | 2-Methylphenol | 330 | UG/KG | U | U | | |
| REG | 2-Nitroaniline | 800 | UG/KG | U | U | | |
| REG | 2-Nitrophenol | 330 | UG/KG | U | U | | |
| REG | 3,3'-Dichlorobenzidine | 800 | UG/KG | U | U | | |
| REG | 3-Nitroaniline | 800 | UG/KG | U | U | | |
| REG | 4,6-Dinitro-o-Cresol | 330 | UG/KG | U | U | | |
| REG | 4-Bromophenyl-phenyl Ether | 330 | UG/KG | U | U | | |
| REG | 4-Chloroaniline | 330 | UG/KG | U | U | | |
| REG | 4-Chlorophenyl-phenylether | 330 | UG/KG | U | U | | |
| REG | 4-Methylphenol | 330 | UG/KG | U | U | | |
| REG | 4-Nitroaniline | 800 | UG/KG | U | U | | |
| REG | 4-Nitrophenol | 800 | UG/KG | U | U | | |
| REG | 4-chloro-3-methylphenol | 330 | UG/KG | U | U | | |
| REG | Acenaphthene | 330 | UG/KG | U | U | | |
| REG | Acenaphthylene | 330 | UG/KG | U | U | | |
| REG | Anthracene | 330 | UG/KG | U | U | | |
| REG | Benzo(a)anthracene | 330 | UG/KG | U | U | | |
| REG | Benzo(a)pyrene | 330 | UG/KG | U | U | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
 Station : WBGss-076 Pad #70 center of burn area

Northing: 16553.00
 Easting: 138664.00
 Elevation:

WBGss-076-0541-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | | | |
|--------------------|----------------------------|-----------------|-------|----------------|------|-----------------|--|--|
| | | Head Space | 0.0 | PPM | | | | |
| | | Organic Vapor | 0.0 | PPM | | | | |
| Sample Type | Semi-Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | Benzo(b)fluoranthene | 330 | UG/KG | U | U | | | |
| REG | Benzo(g,h,i)perylene | 330 | UG/KG | U | U | | | |
| REG | Benzo(k)fluoranthene | 330 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethoxy)methane | 330 | UG/KG | U | U | | | |
| REG | Bis(2-chloroethyl)ether | 330 | UG/KG | U | U | | | |
| REG | Bis(2-ethylhexyl)phthalate | 330 | UG/KG | U | U | | | |
| REG | Butyl Benzyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Carbazole | 330 | UG/KG | U | U | | | |
| REG | Chrysene | 330 | UG/KG | U | U | | | |
| REG | Di-n-butyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Di-n-octyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Dibenzo(a,h)anthracene | 330 | UG/KG | U | U | | | |
| REG | Dibenzofuran | 330 | UG/KG | U | U | | | |
| REG | Diethyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Dimethyl Phthalate | 330 | UG/KG | U | U | | | |
| REG | Fluoranthene | 330 | UG/KG | U | U | | | |
| REG | Fluorene | 330 | UG/KG | U | U | | | |
| REG | Hexachlorobenzene | 330 | UG/KG | U | U | | | |
| REG | Hexachlorobutadiene | 330 | UG/KG | U | U | | | |
| REG | Hexachlorocyclopentadiene | 330 | UG/KG | U | UJ | C05 | | |
| REG | Hexachloroethane | 330 | UG/KG | U | U | | | |
| REG | Indeno(1,2,3-cd)pyrene | 330 | UG/KG | U | U | | | |
| REG | Isophorone | 330 | UG/KG | U | U | | | |
| REG | N-Nitroso-di-n-propylamine | 330 | UG/KG | U | U | | | |
| REG | N-Nitrosodiphenylamine | 330 | UG/KG | U | U | | | |
| REG | Naphthalene | 330 | UG/KG | U | U | | | |
| REG | Pentachlorophenol | 800 | UG/KG | U | U | | | |
| REG | Phenanthrene | 330 | UG/KG | U | U | | | |
| REG | Phenol | 330 | UG/KG | U | U | | | |
| REG | Pyrene | 330 | UG/KG | U | U | | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab | Data | Validation Code | | |
| REG | 1,1,1-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2,2-Tetrachloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1,2-Trichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,1-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloroethane | 5 | UG/KG | U | U | | | |
| REG | 1,2-Dichloropropane | 5 | UG/KG | U | U | | | |
| REG | 1,2-cis-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,2-trans-Dichloroethene | 5 | UG/KG | U | U | | | |
| REG | 1,3-cis-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 1,3-trans-Dichloropropene | 5 | UG/KG | U | U | | | |
| REG | 2-Butanone | 5 | UG/KG | U | UJ | C05 | | |
| REG | 2-Hexanone | 5 | UG/KG | U | UJ | C05 | | |
| REG | 4-Methyl-2-pentanone | 5 | UG/KG | U | U | | | |
| REG | Acetone | 5 | UG/KG | U | R | C04,C05 | | |
| REG | Benzene | 5 | UG/KG | U | U | | | |
| REG | Bromodichloromethane | 5 | UG/KG | U | U | | | |
| REG | Bromoform | 5 | UG/KG | U | U | | | |
| REG | Bromomethane | 5 | UG/KG | U | U | | | |
| REG | Carbon Disulfide | 5 | UG/KG | U | U | | | |
| REG | Carbon Tetrachloride | 5 | UG/KG | U | U | | | |
| REG | Chlorobenzene | 5 | UG/KG | U | U | | | |
| REG | Chloroethane | 5 | UG/KG | U | UJ | C02 | | |
| REG | Chloroform | 2 | UG/KG | J | J | | | |
| REG | Chloromethane | 5 | UG/KG | U | U | | | |
| REG | Dibromochloromethane | 5 | UG/KG | U | U | | | |
| REG | Ethylbenzene | 5 | UG/KG | U | U | | | |
| REG | Methylene Chloride | 12 | UG/KG | B | U | F01,F07 | | |
| REG | Styrene | 5 | UG/KG | U | U | | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

Location: Winklepeck Burning Ground
Station : WBGss-076 Pad #70 center of burn area

Northing: 16553.00
Easting: 138664.00
Elevation:

WBGss-076-0541-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/09/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|-------------------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Volatile Organics | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Tetrachloroethene | 5 | UG/KG | U U | | |
| REG | Toluene | 170 | UG/KG | = | | |
| REG | Trichloroethene | 5 | UG/KG | U U | | |
| REG | Vinyl Chloride | 5 | UG/KG | U U | | |
| REG | Xylenes, Total | 5 | UG/KG | U U | | |
| REG | o-Xylene | 5 | UG/KG | U U | | |

Location: Winklepeck Burning Ground
Station : WBGss-077 Pad #32 center of burn area.

Northing: 15806.00
Easting: 135213.00
Elevation:

WBGss-077-0542-SO 0.0 - 0.8 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 20500 | MG/KG | = | | |
| REG | Arsenic | 9.7 | MG/KG | N J | I01 | |
| REG | Barium | 263 | MG/KG | = | | |
| REG | Cadmium | 3 | MG/KG | = | | |
| REG | Chromium | 11.2 | MG/KG | E = | | |
| REG | Lead | 28.1 | MG/KG | J | I01 | |
| REG | Manganese | 3910 | MG/KG | N J | I01 | |
| REG | Mercury | 0.04 | MG/KG | = | | |
| REG | Selenium | 0.85 | MG/KG | = | | |
| REG | Silver | 0.21 | MG/KG | U U | | |
| REG | Zinc | 81.7 | MG/KG | = | | |

Location: Winklepeck Burning Ground
Station : WBGss-097 Pad #41

Northing: 15846.00
Easting: 138822.00
Elevation:

WBGss-097-0564-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/13/96

| Field Measurements | | Air Temperature | 75 | DEG F | | |
|--------------------|-----------|-----------------|-------|---------------------|-----------------|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |
| Sample Type | Metals | Result | Units | Qualifiers Lab Data | Validation Code | |
| REG | Aluminum | 8740 | MG/KG | = | | |
| REG | Arsenic | 13.3 | MG/KG | N J | I01 | |
| REG | Barium | 41.4 | MG/KG | = | | |
| REG | Cadmium | 0.19 | MG/KG | B J | F06 | |
| REG | Chromium | 10.3 | MG/KG | E = | | |
| REG | Lead | 17.9 | MG/KG | J | I01 | |
| REG | Manganese | 221 | MG/KG | N J | I01 | |
| REG | Mercury | 0.06 | MG/KG | = | | |
| REG | Selenium | 0.56 | MG/KG | B J | F06 | |
| REG | Silver | 0.22 | MG/KG | U U | | |
| REG | Zinc | 46.7 | MG/KG | = | | |

Location: Winklepeck Burning Ground
Station : WBGss-098 TBD Pad #67

Northing: 16544.00
Easting: 137817.00
Elevation:

WBGss-098-0565-SO 0.0 - 2.0 FT Field Sample Type: Grab Composite Matrix: Surface Soil Collected: 08/14/96

| Field Measurements | | Air Temperature | 80 | DEG F | | |
|--------------------|--|-----------------|-----|-------|--|--|
| | | Head Space | 0.0 | PPM | | |
| | | Organic Vapor | 0.0 | PPM | | |

Table APPENDIX G1

Ravenna Army Ammunition Plant Phase 1 RI

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 11000 | MG/KG | = | | |
| REG | Arsenic | 10.3 | MG/KG | N | J | I01 |
| REG | Barium | 190 | MG/KG | = | | |
| REG | Cadmium | 0.14 | MG/KG | B | J | F06 |
| REG | Chromium | 11.1 | MG/KG | E | = | |
| REG | Lead | 14.5 | MG/KG | | J | I01 |
| REG | Manganese | 389 | MG/KG | N | J | I01 |
| REG | Mercury | 0.04 | MG/KG | = | | |
| REG | Selenium | 0.36 | MG/KG | B | J | F06 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 56.8 | MG/KG | = | | |

WBGss-098-0566-FD 0.0 - 2.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 08/14/96

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

| Sample Type | Metals | Result | Units | Qualifiers | | Validation Code |
|-------------|-----------|--------|-------|------------|------|-----------------|
| | | | | Lab | Data | |
| REG | Aluminum | 9840 | MG/KG | = | | |
| REG | Arsenic | 16.1 | MG/KG | N | J | I01 |
| REG | Barium | 323 | MG/KG | = | | |
| REG | Cadmium | 0.34 | MG/KG | B | J | F06 |
| REG | Chromium | 9.5 | MG/KG | E | = | |
| REG | Lead | 15.9 | MG/KG | | J | I01 |
| REG | Manganese | 290 | MG/KG | N | J | I01 |
| REG | Mercury | 0.04 | MG/KG | = | | |
| REG | Selenium | 0.49 | MG/KG | B | J | F06 |
| REG | Silver | 0.22 | MG/KG | U | U | |
| REG | Zinc | 54.8 | MG/KG | = | | |

This page intentionally left blank.