

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Location **Analysis**

78-QPSD-DU1-SB3 E353.2

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Nitrocellulose	ND	ND	5.00	NA	40	NA	OK

Location **Analysis**

78-QPSD-DU1-SB3 SW6020

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Aluminum	3400	3800	3.00	11.1	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Antimony	0.0970	0.110	0.200	12.6	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Arsenic	4.70	5.10	0.100	8.16	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Barium	30.0	39.0	1.00	26.1	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Beryllium	0.200	0.210	0.100	4.88	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Cadmium	0.100	0.120	0.100	18.2	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Calcium	410	560	10.0	30.9	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Chromium	5.70	6.30	0.200	10.0	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Cobalt	4.00	4.30	0.0500	7.23	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Copper	8.90	10.0	0.200	11.6	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Iron	12000	12000	5.00	0.00	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Lead	9.50	11.0	0.100	14.6	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Magnesium	740	820	10.0	10.3	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Manganese	280	300	0.500	6.90	50	OK	NA

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Location **Analysis**

78-QPSD-DU1-SB3 SW6020

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Nickel	8.10	8.70	0.100	7.14	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Potassium	480	500	10.0	4.08	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Selenium	0.120	0.110	0.500	8.70	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Silver	0.0150	0.0220	0.100	37.8	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Sodium	21.0	23.0	10.0	9.09	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Thallium	0.0740	0.0660	0.100	11.4	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Vanadium	6.80	7.20	0.100	5.71	50	OK	NA
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Zinc	29.0	34.0	0.500	15.9	50	OK	NA

Location **Analysis**

78-QPSD-DU1-SB3 SW7471A

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Mercury	0.0530	0.0630	0.100	17.2	50	NA	OK

Location **Analysis**

78-QPSD-DU1-SB3 SW8082

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	PCB-1016 (Arochlor 1016)	ND	ND	65.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	PCB-1221 (Arochlor 1221)	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	PCB-1232 (Arochlor 1232)	ND	ND	45.0	NA	50	NA	OK

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Location **Analysis**

78-QPSD-DU1-SB3 SW8082

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	PCB-1242 (Arochlor 1242)	ND	ND	40.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	PCB-1248 (Arochlor 1248)	ND	ND	55.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	PCB-1254 (Arochlor 1254)	ND	ND	55.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	PCB-1260 (Arochlor 1260)	ND	ND	55.0	NA	50	NA	OK

Location **Analysis**

78-QPSD-DU1-SB3 SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,1,1-Trichloroethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,1,2,2-Tetrachloroethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,1,2-Trichloroethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,1-Dichloroethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,1-Dichloroethene	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,2-Dibromoethane (EDB)	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,2-Dichloroethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,2-Dichloroethene	ND	ND	11.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,2-Dichloropropane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2-Butanone (MEK)	ND	ND	22.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2-Hexanone	ND	ND	22.0	NA	50	NA	OK

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Analysis

78-QPSD-DU1-SB3

SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	4-Methyl-2-pentanone (MIBK)	ND	ND	22.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Acetone	ND	ND	22.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzene	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Bromochloromethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Bromodichloromethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Bromoform	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Bromomethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Carbon Disulfide	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Carbon Tetrachloride	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Chlorobenzene	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Chloroethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Chloroform	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Chloromethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	cis-1,3-Dichloropropene	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Dibromochloromethane	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Ethylbenzene	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Methylene Chloride	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Styrene	ND	ND	5.50	NA	50	NA	OK

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78-QPSD-DU1-SB3

SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Tetrachloroethene (PCE)	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Toluene	0.300	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	trans-1,3-Dichloropropene	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Trichloroethene (TCE)	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Vinyl Chloride	ND	ND	5.50	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Xylenes, Total	ND	ND	11.0	NA	50	NA	OK

Location**Analysis**

78-QPSD-DU1-SB3

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,2,4-Trichlorobenzene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,2-Dichlorobenzene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,3-Dichlorobenzene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	1,4-Dichlorobenzene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2,4,5-Trichlorophenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2,4,6-Trichlorophenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2,4-Dichlorophenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2,4-Dimethylphenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2,4-Dinitrophenol	ND	ND	330	NA	50	NA	OK

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Analysis

78-QPSD-DU1-SB3

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2,4-Dinitrotoluene	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2,6-Dinitrotoluene	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2-Chloronaphthalene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2-Chlorophenol	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2-Methylnaphthalene	3.70	4.70	6.60	23.8	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2-Methylphenol (o-Cresol)	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2-Nitroaniline	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	2-Nitrophenol	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	3,3'-Dichlorobenzidine	ND	ND	99.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	3-Nitroaniline	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	4,6-Dinitro-2-Methylphenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	4-Bromophenyl phenyl ether	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	4-Chloro-3-Methylphenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	4-Chloroaniline	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	4-Chlorophenyl Phenyl Ether	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	4-Nitroaniline	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	4-Nitrophenol	ND	ND	330	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Acenaphthene	ND	ND	6.60	NA	50	NA	OK

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Location

78-QPSD-DU1-SB3

Analysis

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Acenaphthylene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Anthracene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzo(a)anthracene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzo(a)pyrene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzo(b)fluoranthene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzo(g,h,i)perylene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzo(k)fluoranthene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzoic acid	ND	ND	660	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzyl alcohol	ND	ND	330	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Benzyl butyl phthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	bis(2-Chloroethoxy) Methane	ND	ND	99.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ND	ND	99.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	bis(2-Chloroisopropyl) Ether	ND	ND	99.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	bis(2-Ethylhexyl) Phthalate	54.0	180	50.0	108	50	OUT	126
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Carbazole	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Chrysene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Cresols, m & p	ND	ND	400	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Di-n-Butyl Phthalate	ND	ND	50.0	NA	50	NA	OK

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Ravenna Army Ammunition Plant

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Analysis

78-QPSD-DU1-SB3

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Di-n-Octylphthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Dibenz(a,h)anthracene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Dibenzofuran	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Diethyl Phthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Dimethyl Phthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Fluoranthene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Fluorene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Hexachlorobenzene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Hexachlorobutadiene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Hexachlorocyclopentadiene	ND	ND	330	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Hexachloroethane	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Indeno(1,2,3-c,d)pyrene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Isophorone	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	n-Nitrosodi-n-propylamine	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	n-Nitrosodiphenylamine	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Naphthalene	3.90	5.00	6.60	24.7	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Nitrobenzene	ND	ND	99.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Pentachlorophenol	ND	ND	150	NA	50	NA	OK

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Location **Analysis**

78-QPSD-DU1-SB3 SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Phenanthrene	ND	ND	6.60	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Phenol	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	Pyrene	ND	ND	6.60	NA	50	NA	OK

Location **Analysis**

78-QPSD-DU1-SB3 SW8330B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0008M-0001-SO / 078SB-0009M-0001-SO	240-22559-8 / 240-22559-10	NITROGUANIDINE	ND	ND	0.250	NA	50	NA	OK

Location **Analysis**

78-QPSD-DU2-SB3 E353.2

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Nitrocellulose	ND	ND	5.00	NA	40	NA	OK

Location **Analysis**

78-QPSD-DU2-SB3 SW6020

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Aluminum	720	760	2.90	5.41	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Antimony	0.350	0.210	0.190	50.0	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Arsenic	0.620	0.740	0.0970	17.6	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Barium	16.0	16.0	0.970	0.00	50	OK	NA

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Ravenna Army Ammunition Plant

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Location

78-QPSD-DU2-SB3

Analysis

SW6020

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Beryllium	0.0980	0.110	0.0970	11.5	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Cadmium	0.0560	0.0700	0.0970	22.2	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Calcium	95.0	95.0	9.70	0.00	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Chromium	1.60	2.00	0.190	22.2	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Cobalt	1.70	1.50	0.0490	12.5	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Copper	2.80	2.90	0.190	3.51	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Iron	4600	6000	4.90	26.4	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Lead	6.00	7.40	0.0970	20.9	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Magnesium	140	150	9.70	6.90	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Manganese	130	120	0.490	8.00	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Nickel	2.40	2.50	0.0970	4.08	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Potassium	260	240	9.70	8.00	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Selenium	ND	ND	0.490	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Silver	ND	ND	0.0970	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Sodium	14.0	13.0	9.70	7.41	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Thallium	0.0300	0.0330	0.0970	9.52	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Vanadium	1.70	2.10	0.0970	21.1	50	OK	NA
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Zinc	16.0	18.0	0.490	11.8	50	OK	NA

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Location **Analysis**
78-QPSD-DU2-SB3 SW7471A

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Mercury	0.0380	0.0410	0.100	7.59	50	NA	OK

Location **Analysis**
78-QPSD-DU2-SB3 SW8082

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	PCB-1016 (Arochlor 1016)	ND	ND	66.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	PCB-1221 (Arochlor 1221)	ND	ND	51.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	PCB-1232 (Arochlor 1232)	ND	ND	45.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	PCB-1242 (Arochlor 1242)	ND	ND	40.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	PCB-1248 (Arochlor 1248)	ND	ND	56.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	PCB-1254 (Arochlor 1254)	ND	ND	56.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	PCB-1260 (Arochlor 1260)	ND	ND	56.0	NA	50	NA	OK

Location **Analysis**
78-QPSD-DU2-SB3 SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,1,1-Trichloroethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,1,2,2-Tetrachloroethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,1,2-Trichloroethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,1-Dichloroethane	ND	ND	5.60	NA	50	NA	OK

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78-QPSD-DU2-SB3

SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,1-Dichloroethene	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,2-Dibromoethane (EDB)	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,2-Dichloroethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,2-Dichloroethene	ND	ND	11.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,2-Dichloropropane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2-Butanone (MEK)	ND	ND	22.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2-Hexanone	ND	ND	22.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	4-Methyl-2-pentanone (MIBK)	ND	ND	22.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Acetone	ND	ND	22.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzene	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Bromochloromethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Bromodichloromethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Bromoform	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Bromomethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Carbon Disulfide	3.40	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Carbon Tetrachloride	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Chlorobenzene	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Chloroethane	ND	ND	5.60	NA	50	NA	OK

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Location**Analysis**

78-QPSD-DU2-SB3

SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Chloroform	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Chloromethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	cis-1,3-Dichloropropene	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Dibromochloromethane	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Ethylbenzene	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Methylene Chloride	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Styrene	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Tetrachloroethene (PCE)	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Toluene	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	trans-1,3-Dichloropropene	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Trichloroethene (TCE)	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Vinyl Chloride	ND	ND	5.60	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Xylenes, Total	ND	ND	11.0	NA	50	NA	OK

Location**Analysis**

78-QPSD-DU2-SB3

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,2,4-Trichlorobenzene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,2-Dichlorobenzene	ND	ND	50.0	NA	50	NA	OK

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Analysis

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,3-Dichlorobenzene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	1,4-Dichlorobenzene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2,4,5-Trichlorophenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2,4,6-Trichlorophenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2,4-Dichlorophenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2,4-Dimethylphenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2,4-Dinitrophenol	ND	ND	330	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2,4-Dinitrotoluene	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2,6-Dinitrotoluene	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2-Chloronaphthalene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2-Chlorophenol	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2-Methylnaphthalene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2-Methylphenol (o-Cresol)	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2-Nitroaniline	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	2-Nitrophenol	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	3,3'-Dichlorobenzidine	ND	ND	100	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	3-Nitroaniline	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	4,6-Dinitro-2-Methylphenol	ND	ND	150	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

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Analysis

78-QPSD-DU2-SB3

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	4-Bromophenyl phenyl ether	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	4-Chloro-3-Methylphenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	4-Chloroaniline	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	4-Chlorophenyl Phenyl Ether	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	4-Nitroaniline	ND	ND	200	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	4-Nitrophenol	ND	ND	330	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Acenaphthene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Acenaphthylene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Anthracene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzo(a)anthracene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzo(a)pyrene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzo(b)fluoranthene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzo(g,h,i)perylene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzo(k)fluoranthene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzoic acid	ND	ND	660	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzyl alcohol	ND	ND	330	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Benzyl butyl phthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	bis(2-Chloroethoxy) Methane	ND	ND	100	NA	50	NA	OK

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SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ND	ND	100	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	bis(2-Chloroisopropyl) Ether	ND	ND	100	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	bis(2-Ethylhexyl) Phthalate	35.0	41.0	50.0	15.8	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Carbazole	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Chrysene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Cresols, m & p	ND	ND	400	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Di-n-Butyl Phthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Di-n-Octylphthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Dibenz(a,h)anthracene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Dibenzofuran	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Diethyl Phthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Dimethyl Phthalate	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Fluoranthene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Fluorene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Hexachlorobenzene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Hexachlorobutadiene	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Hexachlorocyclopentadiene	ND	ND	330	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Hexachloroethane	ND	ND	50.0	NA	50	NA	OK

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Location **Analysis**

78-QPSD-DU2-SB3 SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Indeno(1,2,3-c,d)pyrene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Isophorone	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	n-Nitrosodi-n-propylamine	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	n-Nitrosodiphenylamine	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Naphthalene	ND	ND	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Nitrobenzene	ND	ND	100	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Pentachlorophenol	ND	ND	150	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Phenanthrene	ND	5.50	6.70	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Phenol	ND	ND	50.0	NA	50	NA	OK
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	Pyrene	ND	ND	6.70	NA	50	NA	OK

Location **Analysis**

78-QPSD-DU2-SB3 SW8330B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0017M-0001-SO / 078SB-0018M-0001-SO	240-22559-15 / 240-22559-16	NITROGUANIDINE	ND	ND	0.240	NA	50	NA	OK

Location **Analysis**

78-QPSD-DU3-SB1 E353.2

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Nitrocellulose	0.890	ND	4.70	NA	40	NA	OK

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78-QPSD-DU3-SB1

Analysis

SW6020

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Aluminum	1800	3300	2.90	58.8	50	Out	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Antimony	ND	0.0470	0.190	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Arsenic	0.940	1.80	0.0950	62.8	50	Out	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Barium	13.0	19.0	0.950	37.5	50	OK	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Beryllium	0.220	0.450	0.0950	68.7	50	Out	0.23
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Cadmium	0.0950	0.160	0.0950	51.0	50	Out	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Calcium	100	180	9.50	57.1	50	Out	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Chromium	4.00	7.30	0.190	58.4	50	Out	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Cobalt	2.60	5.50	0.0480	71.6	50	Out	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Copper	4.10	11.0	0.190	91.4	50	Out	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Iron	12000	17000	4.80	34.5	50	OK	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Lead	6.00	9.20	0.0950	42.1	50	OK	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Magnesium	930	1700	9.50	58.6	50	Out	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Manganese	290	390	0.480	29.4	50	OK	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Nickel	6.70	11.0	0.0950	48.6	50	OK	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Potassium	400	580	9.50	36.7	50	OK	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Selenium	0.0800	0.130	0.480	47.6	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Silver	ND	0.0190	0.0950	NA	50	NA	OK

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Location Analysis

78-QPSD-DU3-SB1 SW6020

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Sodium	16.0	18.0	9.50	11.8	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Thallium	0.0260	0.0690	0.0950	90.5	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Vanadium	4.50	7.60	0.0950	51.2	50	Out	NA
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Zinc	40.0	48.0	0.480	18.2	50	OK	NA

Location Analysis

78-QPSD-DU3-SB1 SW7471A

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Mercury	0.0200	0.0240	0.100	18.2	50	NA	OK

Location Analysis

78-QPSD-DU3-SB1 SW8082

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	PCB-1016 (Arochlor 1016)	ND	ND	66.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	PCB-1221 (Arochlor 1221)	ND	ND	51.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	PCB-1232 (Arochlor 1232)	ND	ND	46.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	PCB-1242 (Arochlor 1242)	ND	ND	41.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	PCB-1248 (Arochlor 1248)	ND	ND	56.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	PCB-1254 (Arochlor 1254)	ND	ND	56.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	PCB-1260 (Arochlor 1260)	ND	ND	56.0	NA	50	NA	OK

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78-QPSD-DU3-SB1

SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,1,1-Trichloroethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,1,2,2-Tetrachloroethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,1,2-Trichloroethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,1-Dichloroethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,1-Dichloroethene	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,2-Dibromoethane (EDB)	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,2-Dichloroethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,2-Dichloroethene	ND	ND	10.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,2-Dichloropropane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2-Butanone (MEK)	ND	ND	20.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2-Hexanone	ND	ND	20.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	4-Methyl-2-pentanone (MIBK)	ND	ND	20.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Acetone	ND	ND	20.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzene	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Bromochloromethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Bromodichloromethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Bromoform	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Bromomethane	ND	ND	5.00	NA	50	NA	OK

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SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Carbon Disulfide	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Carbon Tetrachloride	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Chlorobenzene	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Chloroethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Chloroform	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Chloromethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	cis-1,3-Dichloropropene	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Dibromochloromethane	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Ethylbenzene	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Methylene Chloride	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Styrene	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Tetrachloroethene (PCE)	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Toluene	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	trans-1,3-Dichloropropene	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Trichloroethene (TCE)	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Vinyl Chloride	ND	ND	5.00	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Xylenes, Total	ND	ND	10.0	NA	50	NA	OK

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Ravenna Army Ammunition Plant

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78-QPSD-DU3-SB1

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,2,4-Trichlorobenzene	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,2-Dichlorobenzene	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,3-Dichlorobenzene	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	1,4-Dichlorobenzene	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2,4,5-Trichlorophenol	ND	ND	750	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2,4,6-Trichlorophenol	ND	ND	750	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2,4-Dichlorophenol	ND	ND	750	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2,4-Dimethylphenol	ND	ND	750	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2,4-Dinitrophenol	ND	ND	1700	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2,4-Dinitrotoluene	ND	ND	1000	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2,6-Dinitrotoluene	ND	ND	1000	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2-Chloronaphthalene	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2-Chlorophenol	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2-Methylnaphthalene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2-Methylphenol (o-Cresol)	ND	ND	1000	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2-Nitroaniline	ND	ND	1000	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	2-Nitrophenol	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	3,3'-Dichlorobenzidine	ND	ND	500	NA	50	NA	OK

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Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	3-Nitroaniline	ND	ND	1000	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	4,6-Dinitro-2-Methylphenol	ND	ND	750	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	4-Bromophenyl phenyl ether	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	4-Chloro-3-Methylphenol	ND	ND	750	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	4-Chloroaniline	ND	ND	750	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	4-Chlorophenyl Phenyl Ether	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	4-Nitroaniline	ND	ND	1000	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	4-Nitrophenol	ND	ND	1700	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Acenaphthene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Acenaphthylene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Anthracene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzo(a)anthracene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzo(a)pyrene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzo(b)fluoranthene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzo(g,h,i)perylene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzo(k)fluoranthene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzoic acid	ND	ND	3300	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzyl alcohol	ND	ND	1700	NA	50	NA	OK

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SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Benzyl butyl phthalate	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	bis(2-Chloroethoxy) Methane	ND	ND	500	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ND	ND	500	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	bis(2-Chloroisopropyl) Ether	ND	ND	500	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	bis(2-Ethylhexyl) Phthalate	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Carbazole	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Chrysene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Cresols, m & p	ND	ND	2000	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Di-n-Butyl Phthalate	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Di-n-Octylphthalate	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Dibenz(a,h)anthracene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Dibenzofuran	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Diethyl Phthalate	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Dimethyl Phthalate	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Fluoranthene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Fluorene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Hexachlorobenzene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Hexachlorobutadiene	ND	ND	250	NA	50	NA	OK

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Location**Analysis**

78-QPSD-DU3-SB1

SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Hexachlorocyclopentadiene	ND	ND	1700	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Hexachloroethane	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Indeno(1,2,3-c,d)pyrene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Isophorone	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	n-Nitrosodi-n-propylamine	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	n-Nitrosodiphenylamine	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Naphthalene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Nitrobenzene	ND	ND	500	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Pentachlorophenol	ND	ND	750	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Phenanthrene	ND	ND	33.0	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Phenol	ND	ND	250	NA	50	NA	OK
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	Pyrene	ND	ND	33.0	NA	50	NA	OK

Location**Analysis**

78-QPSD-DU3-SB1

SW8330B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Mar 26 2013	078SB-0025M-0001-SO / 078SB-0026M-0001-SO	240-22559-23 / 240-22559-24	NITROGUANIDINE	ND	ND	0.250	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant

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FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil