Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-001	DA1-002	DA1-003	DA1-004	DA1-005	DA1-005
	Sample Number	DA1ss-001-0001-SO	DA1ss-002-0003-SO	DA1ss-003-0005-SO	DA1ss-004-0007-SO	DA1ss-005-0009-SO	DA1ss-005-0127-SO
	Sample Date	10/19/1999	10/19/1999	10/19/1999	10/19/1999	10/19/1999	10/19/1999
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	REG	REG	REG	REG	FD
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	1.8 =	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.4 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.12 J	0.19 J
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-006	DA1-007	DA1-008	DA1-009	DA1-010	DA1-011
	Sample Number	DA1ss-006-0011-SO	DA1ss-007-0013-SO	DA1ss-008-0015-SO	DA1ss-009-0017-SO	DA1ss-010-0019-SO	DA1ss-011-0021-SO
	Sample Date	10/20/1999	10/20/1999	10/20/1999	10/20/1999	10/20/1999	10/20/1999
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	REG	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	2.9 =	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.13 J	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.2 =	2.2 U	2.2 U	2.2 U	2.4 U	2.2 U
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-012	DA1-013	DA1-014	DA1-015	DA1-016	DA1-016
	Sample Number	DA1ss-012-0023-SO	DA1ss-013-0026-SO	DA1ss-014-0029-SO	DA1ss-015-0032-SO	DA1ss-016-0036-SO	DA1ss-016-0128-SO
	Sample Date	10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	REG	REG	REG	REG	FD
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.13 J	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.4 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.092 J
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-017	DA1-018	DA1-019	DA1-020	DA1-021	DA1-022
	Sample Number	DA1ss-017-0039-SO	DA1ss-018-0042-SO	DA1ss-019-0045-SO	DA1ss-020-0048-SO	DA1ss-021-0051-SO	DA1ss-022-0054-SO
	Sample Date	10/21/1999	10/22/1999	10/22/1999	10/22/1999	10/24/1999	10/25/1999
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	REG	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.2 J
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.4 U	2.4 U	2.5 U	2.4 U	2.4 U	3.8 =
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-023	DA1-023	DA1-024	DA1-025	DA1-026	DA1-027
	Sample Number	DA1ss-023-0057-SO	DA1ss-023-0130-SO	DA1ss-024-0060-SO	DA1ss-025-0063-SO	DA1ss-026-0066-SO	DA1ss-027-0069-SO
	Sample Date	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/20/1999
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	FD	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.6 U	2.6 U	2.5 U	2.5 U	2.6 U	2.5 U
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.095 J	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-028	DA1-029	DA1-030	DA1-031	DA1-032	DA1-033
	Sample Number	DA1ss-028-0073-SO	DA1ss-029-0076-SO	DA1ss-030-0079-SO	DA1ss-031-0082-SO	DA1ss-032-0085-SO	DA1ss-033-0088-SO
	Sample Date	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/27/1999	10/27/1999
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	REG	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.46 =	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.82 =	6.6 =	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.4 U	2.7 U	2.6 =	2.5 U	2.4 U	2.5 U
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-034	DA1-035	DA1-036	DA1-037	DA1-038	DA1-038
	Sample Number	DA1ss-034-0091-SO	DA1ss-035-0094-SO	DA1ss-036-0097-SO	DA1ss-037-0100-SO	DA1ss-038-0103-SO	DA1ss-038-0129-SO
	Sample Date	10/27/1999	11/1/1999	11/2/1999	11/2/1999	11/2/1999	11/2/1999
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	REG	REG	REG	REG	FD
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.4 U	2 U	2 U	2 U	2 U	2 U
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.15 J
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-039	DA1-040	DA1-040	DA1-041	DA1-042	DA1SS-050
	Sample Number	DA1ss-039-0106-SO	DA1ss-040-0109-SO	DA1ss-040-0126-SO	DA1ss-041-0111-SO	DA1ss-042-0114-SO	DA1SS-050M-0201-SO
	Sample Date	11/2/1999	11/3/1999	11/3/1999	11/3/1999	11/3/1999	9/27/2010
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	REG	FD	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	62 U	50 U	0.25 U	0.25 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.25 U	62 U	50 U	0.25 U	0.25 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	2000 =	1400 =	0.15 J	0.25 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.25 U	62 U	50 U	0.25 U	0.25 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.25 U	62 U	50 U	0.25 U	0.25 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg						0.05 U
3,5-Dinitroaniline	mg/kg						0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg						0.07 U
HMX	mg/kg	0.5 U	120 U	100 U	0.5 U	0.5 U	0.12 U
m-Nitrotoluene	mg/kg	0.25 U	62 U	50 U	0.25 U	0.25 U	0.07 U
Nitrobenzene	mg/kg	0.25 U	62 U	50 U	0.25 U	0.25 U	0.04 U
Nitrocellulose	mg/kg	2 U	175 =	109 =	2 U	2 U	
Nitroglycerin	mg/kg	2.5 U	620 U	500 U	2.5 U	2.5 U	0.5 U
Nitroguanidine	mg/kg	0.25 U	0.035 J	0.25 U	0.083 J	0.25 U	
o-Nitrotoluene	mg/kg	0.25 U	62 U	50 U	0.25 U	0.25 U	0.09 U
Petn	mg/kg						0.5 U
p-Nitrotoluene	mg/kg	0.25 U	62 U	20 J	0.25 U	0.25 U	0.07 U
RDX	mg/kg	0.5 U	120 U	100 U	0.5 U	0.5 U	0.16 U
Tetryl	mg/kg	0.65 U	160 U	130 U	0.65 U	0.65 U	0.09 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA 2010 Phase II RI Surface Soil Samples (0-1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SS-051	DA1SS-051	DA1SS-052	DA1SS-053	DA1SS-054	OD1gd-011a
	Sample Number	DA1SS-051M-0201-SO	DA1SS-080M-0201-SO	DA1SS-052M-0201-SO	DA1SS-053M-0201-SO	DA1SS-054M-0201-SO	OD1gd-011a-BlueAsh
	Sample Date	9/27/2010	9/27/2010	9/27/2010	11/10/2010	11/10/2010	7/6/2001
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 0_1 ft
	Sample Purpose	REG	FD	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U
1,3-Dinitrobenzene	mg/kg	0.08 U	0.08 U	0.079 U	0.079 U	0.081 U	0.1 U
2,4,6-Trinitrotoluene	mg/kg	7.1	0.09 U	0.089 U	0.089 U	0.091 U	0.1 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.069 U	0.069 U	0.071 U	0.2 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.25 J	0.05 U	0.05 U	0.049 U	0.051 U	
3,5-Dinitroaniline	mg/kg	0.09 U	0.09 U	0.089 U	0.089 U	0.091 U	
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.069 U	0.069 U	0.071 U	
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U
m-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.069 U	0.069 U	0.071 U	0.2 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.039 U	0.04 U	0.1 U
Nitrocellulose	mg/kg			7 U			
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.49 U	0.51 U	
Nitroguanidine	mg/kg			0.59			
o-Nitrotoluene	mg/kg	0.09 U	0.09 U	0.089 U	0.089 U	0.091 U	0.2 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.49 U	0.51 U	
p-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.069 U	0.069 U	0.071 U	0.5 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.1 U
Tetryl	mg/kg	0.09 U	0.09 U	0.089 U	0.089 U	0.091 U	0.2 U

bgs denotes below ground surface.
DA1 denotes Open Demolition Area #1.
FD denotes field duplicate.
ft denotes foot/feet.
gd denotes grid.
HMX denotes octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine.
J denotes estimated concentration.
mg/kg denotes milligrams per kilogram.
OD1 denotes Open Demolition Area #1.
RDX denotes hexahydro-1,3,5-trinitro-1,3,5-triazine.
SO denotes soil.
ss denotes surface soil.
U denotes not detected.
VQ denotes validation qualifier.

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-001	DA1-002	DA1-003	DA1-004	DA1-005	DA1-005
Sample Number		DA1ss-001-0001-SO	DA1ss-002-0003-SO	DA1ss-003-0005-SO	DA1ss-004-0007-SO	DA1ss-005-0009-SO	DA1ss-005-0127-SO
Sample Date		10/19/1999	10/19/1999	10/19/1999	10/19/1999	10/19/1999	10/19/1999
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	REG	REG	REG	REG	FD
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.61 U	0.54 U	0.54 U	0.54 U	0.55 U	0.56 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	15000 J	1940 J	3000 J	3610 J	4300 J	2760 J
Antimony	mg/kg	1.2 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
Arsenic	mg/kg	14.5 =	6.2 =	5.3 =	11 =	7.9 =	7.7 =
Barium	mg/kg	86.9 =	58.6 =	177 =	96.5 =	93.9 =	71.1 =
Beryllium	mg/kg	0.53 U	0.22 U	0.35 U	0.39 U	0.49 U	0.32 U
Cadmium	mg/kg	0.61 U	0.54 U	0.54 U	0.27 J	1 =	0.81 =
Calcium	mg/kg	8250 J	58400 J	182000 J	150000 J	111000 J	73300 J
Chromium	mg/kg	19.5 =	4.3 =	4.4 =	7.2 =	4.1 =	4.3 =
Cobalt	mg/kg	10.7 =	3.6 J	2.7 J	3.1 J	3.2 J	2.4 J
Copper	mg/kg	24.3 J	7.1 J	8.9 J	13.6 J	10.9 J	10.6 J
Iron	mg/kg	28400 =	10500 =	7900 =	9560 =	9410 =	9040 =
Lead	mg/kg	18.4 =	10.5 =	11.2 =	13.9 =	14.6 =	15.1 =
Magnesium	mg/kg	4070 =	797 =	2140 =	2130 =	3330 =	1540 =
Manganese	mg/kg	739 J	376 J	531 J	523 J	463 J	320 J
Mercury	mg/kg	0.041 J	0.0078 J	0.02 J	0.024 J	0.013 J	0.011 J
Nickel	mg/kg	22 J	11.5 J	9.9 J	12.5 J	10.6 J	8 J
Potassium	mg/kg	1560 =	540 =	547 =	688 =	521 J	461 J
Selenium	mg/kg	0.57 J	0.54 U	0.54 U	0.54 U	0.55 U	0.56 U
Silver	mg/kg	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Sodium	mg/kg	612 UJ	540 UJ	543 UJ	543 UJ	555 UJ	556 UJ
Thallium	mg/kg	0.42 J	0.21 J	0.15 J	0.14 J	0.29 J	0.19 J
Vanadium	mg/kg	24.3 =	4 J	4.6 J	5.7 =	4.3 J	4.3 J
Zinc	mg/kg	103 J	31.9 J	31.9 J	43.4 J	45.4 J	38.9 J

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-006	DA1-007	DA1-008	DA1-009	DA1-010	DA1-011
Sample Number		DA1ss-006-0011-SO	DA1ss-007-0013-SO	DA1ss-008-0015-SO	DA1ss-009-0017-SO	DA1ss-010-0019-SO	DA1ss-011-0021-SO
Sample Date		10/20/1999	10/20/1999	10/20/1999	10/20/1999	10/20/1999	10/20/1999
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	REG	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.54 U	0.55 U	0.55 U	0.55 U	0.61 U	0.56 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	3610 =	10700 =	7240 =	1730 =	5650 =	2670 =
Antimony	mg/kg	0.61 J	1.4 J	0.54 J	1.1 UJ	0.93 J	1.1 UJ
Arsenic	mg/kg	8.6 =	6.4 =	5 =	5.1 =	11 =	9.2 =
Barium	mg/kg	124 =	310 =	252 =	92.1 =	83.8 =	43.7 =
Beryllium	mg/kg	0.34 J	0.81 =	0.94 =	0.15 J	0.15 J	0.16 J
Cadmium	mg/kg	0.91 =	14 =	1.1 =	0.5 J	0.33 J	0.56 U
Calcium	mg/kg	150000 J	206000 J	195000 J	248000 J	1960 J	50900 J
Chromium	mg/kg	6.2 =	10.4 =	4.1 =	3.4 =	8.6 =	5.3 =
Cobalt	mg/kg	5.3 J	4.6 J	3.8 J	2.8 J	4.9 J	3.2 J
Copper	mg/kg	35.4 =	152 =	55.2 =	25.2 =	70.3 =	12.1 =
Iron	mg/kg	13000 J	11800 J	7530 J	7150 =	18500 =	5820 J
Lead	mg/kg	17 =	196 =	12.4 =	8.2 =	36.4 =	12.4 =
Magnesium	mg/kg	1880 =	5300 =	5280 =	1890 =	959 =	983 =
Manganese	mg/kg	502 =	1070 =	947 =	519 =	367 =	314 =
Mercury	mg/kg	0.013 J	0.16 J	0.076 J	0.023 J	0.035 J	0.012 J
Nickel	mg/kg	20 =	19.8 =	15.4 =	11.8 =	11.7 =	9.2 =
Potassium	mg/kg	426 J	1060 =	555 =	332 J	539 J	458 J
Selenium	mg/kg	0.54 U	0.55 U	0.55 U	0.55 U	0.93 =	0.56 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
Sodium	mg/kg	121 U	262 U	254 U	97.1 U	51.2 U	75.5 U
Thallium	mg/kg	0.23 J	0.14 J	0.22 J	0.2 J	0.21 J	0.26 J
Vanadium	mg/kg	6 =	9 =	3.8 J	4.8 J	10.2 =	5.3 J
Zinc	mg/kg	107 =	191 =	63.9 =	33.9 =	107 =	36.2 =

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-012	DA1-013	DA1-014	DA1-015	DA1-016	DA1-016
Sample Number		DA1ss-012-0023-SO	DA1ss-013-0026-SO	DA1ss-014-0029-SO	DA1ss-015-0032-SO	DA1ss-016-0036-SO	DA1ss-016-0128-SO
Sample Date		10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	REG	REG	REG	REG	FD
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.61 U	0.58 U	0.61 U	0.6 U	0.6 U	0.6 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	12600 =	9580 =	9520 =	14100 =	11400 =	11800 =
Antimony	mg/kg	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	mg/kg	11.9 =	9.3 =	9.3 =	10.9 =	12.4 =	12.1 =
Barium	mg/kg	343 =	78.2 =	58.1 =	66.2 =	91.2 =	81.2 =
Beryllium	mg/kg	0.56 J	0.3 J	0.24 =	0.28 J	0.36 J	0.28 J
Cadmium	mg/kg	0.61 U	0.58 U	0.61 U	0.6 U	0.6 U	0.6 U
Calcium	mg/kg	1360 =	12500 J	522 J	1200 J	1780 =	2370 =
Chromium	mg/kg	12.6 =	12.3 =	12.4 =	17 =	14.6 =	15.3 =
Cobalt	mg/kg	26.5 =	7.6 =	7.6 =	9.4 =	9.5 =	8.9 =
Copper	mg/kg	11.1 J	27.3 =	10.8 J	12.1 =	40.8 J	28.8 J
Iron	mg/kg	22900 =	17700 =	18300 =	18600 =	25900 =	24100 =
Lead	mg/kg	26.9 =	15.3 =	18.3 =	16.9 =	18.7 =	16 =
Magnesium	mg/kg	1760 =	1840 =	1500 =	2230 =	2190 =	2270 =
Manganese	mg/kg	14600 =	575 =	820 =	543 =	608 =	421 =
Mercury	mg/kg	0.041 J	0.069 J	0.034 U	0.05 J	0.0072 U	0.038 J
Nickel	mg/kg	23.4 =	14 =	10 =	14.7 =	13.7 =	14 =
Potassium	mg/kg	869 =	642 =	681 =	914 =	859 =	878 =
Selenium	mg/kg	3 J	0.8 =	0.61 U	0.88 =	0.6 U	0.6 U
Silver	mg/kg	0.31 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	66.1 U	97.7 U	50.6 U	80.3 U	55.8 U	72.7 U
Thallium	mg/kg	0.31 J	0.36 J	0.35 J	0.48 J	0.31 J	0.32 J
Vanadium	mg/kg	23.9 =	16.5 =	21.3 =	25 =	22.3 =	21.8 =
Zinc	mg/kg	78.7 J	119 =	52.9 J	57.7 =	78.8 J	68.5 J

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-017	DA1-018	DA1-019	DA1-020	DA1-021	DA1-022
Sample Number		DA1ss-017-0039-SO	DA1ss-018-0042-SO	DA1ss-019-0045-SO	DA1ss-020-0048-SO	DA1ss-021-0051-SO	DA1ss-022-0054-SO
Sample Date		10/21/1999	10/22/1999	10/22/1999	10/22/1999	10/24/1999	10/25/1999
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	REG	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.61 U	0.61 U	0.61 U	0.61 U	0.59 U	0.62 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	11800 =	16200 J	15000 J	13900 J	11100 =	13400 =
Antimony	mg/kg	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	mg/kg	10.6 =	15.1 =	11.3 =	13.2 =	10.3 =	14.6 =
Barium	mg/kg	35.8 =	58.3 J	53.8 J	100 J	34.7 =	98.5 =
Beryllium	mg/kg	0.23 J	0.7 U	0.28 U	0.47 U	0.32 U	0.61 U
Cadmium	mg/kg	0.61 U	0.61 UJ	0.61 UJ	0.61 UJ	0.59 UJ	0.62 UJ
Calcium	mg/kg	323 J	661 =	1130 =	1190 =	632 =	826 J
Chromium	mg/kg	15.3 =	22.6 =	18.8 =	20.7 =	14.6 J	16.5 =
Cobalt	mg/kg	5.9 J	14 =	6.4 =	9.6 =	5.2 J	20.1 =
Copper	mg/kg	11.9 J	23.5 J	20.1 J	27.4 J	13.2 J	11.8 J
Iron	mg/kg	22100 =	33400 J	24300 J	29300 J	21000 =	27300 =
Lead	mg/kg	11.6 =	16.3 =	15.7 =	16.4 =	12.3 J	22.7 =
Magnesium	mg/kg	2320 =	4070 J	2540 J	3430 J	2310 J	2580 =
Manganese	mg/kg	176 =	242 J	205 J	262 J	139 =	3920 J
Mercury	mg/kg	0.028 U	0.03 J	0.03 J	0.045 J	0.032 J	0.049 J
Nickel	mg/kg	14.3 =	31.9 =	15 =	27.4 =	14.9 =	19 J
Potassium	mg/kg	1010 =	1870 =	1370 =	1910 =	978 =	1330 =
Selenium	mg/kg	0.61 U	0.61 U	0.61 U	0.61 U	0.59 U	0.62 U
Silver	mg/kg	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	58 U	80.2 U	131 U	108 U	85.9 U	31.9 U
Thallium	mg/kg	0.33 J	0.31 J	0.32 J	0.33 J	0.24 J	0.53 UJ
Vanadium	mg/kg	20.1 =	23 =	26.6 =	22.4 =	17.6 =	24.9 =
Zinc	mg/kg	41.4 J	74.2 =	69.2 =	86.2 =	45.6 J	68.6 J

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-023	DA1-023	DA1-024	DA1-025	DA1-026	DA1-027
Sample Number		DA1ss-023-0057-SO	DA1ss-023-0130-SO	DA1ss-024-0060-SO	DA1ss-025-0063-SO	DA1ss-026-0066-SO	DA1ss-027-0069-SO
Sample Date		10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/20/1999
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	FD	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.66 U	0.66 U	0.83 =	0.63 U	0.64 U	0.62 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	85700 =	105000 =	15700 =	8730 =	14400 J	22800 =
Antimony	mg/kg	1.3 UJ	1.9 UJ	1.2 UJ	1.3 UJ	1.3 R	3.1 J
Arsenic	mg/kg	10.4 =	8.5 =	11.7 =	8.7 =	11.4 J	15.2 =
Barium	mg/kg	367 =	654 =	1670 =	229 =	74.1 =	70.6 =
Beryllium	mg/kg	0.48 U	0.31 U	0.43 U	0.38 U	0.34 U	0.25 J
Cadmium	mg/kg	48.7 J	92.2 J	3.7 J	0.93 UJ	0.7 J	107 =
Calcium	mg/kg	577 J	850 J	536 J	1010 J	816 J	1330 J
Chromium	mg/kg	52 =	62.6 =	16.4 =	11.1 =	17.8 J	26.2 =
Cobalt	mg/kg	6.4 J	6.8 =	6.3 =	8.7 =	10 J	8.4 =
Copper	mg/kg	7250 J	11100 J	853 J	108 J	70.4 J	747 =
Iron	mg/kg	23400 =	18400 =	23000 =	17500 =	23900 J	33400 =
Lead	mg/kg	163 =	213 =	41.7 =	24.9 =	19.5 =	128 =
Magnesium	mg/kg	2410 =	1900 =	2940 =	1780 =	2780 J	3100 =
Manganese	mg/kg	456 J	580 J	301 J	793 J	483 J	349 =
Mercury	mg/kg	0.12 J	0.11 J	0.082 J	0.095 J	0.048 J	0.14 J
Nickel	mg/kg	73.8 J	95.4 J	18 J	11.2 J	16.7 J	26.7 =
Potassium	mg/kg	1220 =	824 =	1300 =	630 =	1490 J	1370 =
Selenium	mg/kg	1.8 =	1.8 =	0.62 U	0.63 U	1.3 =	1.4 =
Silver	mg/kg	0.38 J	0.67 J	1.2 U	1.3 U	1.3 UJ	1.2 U
Sodium	mg/kg	324 U	343 U	62.2 U	38.8 U	639 UJ	85.1 U
Thallium	mg/kg	0.56 UJ	0.64 UJ	0.55 UJ	0.3 UJ	0.51 UJ	0.36 J
Vanadium	mg/kg	19.1 =	14.5 =	20.6 =	17.2 =	24.7 J	23.1 =
Zinc	mg/kg	6320 J	6890 J	668 J	184 J	186 J	1420 =

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-028	DA1-029	DA1-030	DA1-031	DA1-032	DA1-033
Sample Number		DA1ss-028-0073-SO	DA1ss-029-0076-SO	DA1ss-030-0079-SO	DA1ss-031-0082-SO	DA1ss-032-0085-SO	DA1ss-033-0088-SO
Sample Date		10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/27/1999	10/27/1999
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	REG	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.6 U	0.67 U	0.61 U	0.62 U	0.6 U	0.63 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	13000 J	17700 J	12400 =	12100 =	6940 =	5550 =
Antimony	mg/kg	1.2 R	19.8 J	1.2 R	0.63 J	1.2 R	1.3 R
Arsenic	mg/kg	12.4 J	31.4 J	13.5 J	14.4 J	7.9 J	7.9 J
Barium	mg/kg	72 =	131 =	78.4 J	55.7 J	54.9 J	45.7 J
Beryllium	mg/kg	0.6 U	0.67 U	0.42 U	0.2 U	0.28 U	0.28 U
Cadmium	mg/kg	0.6 UJ	4910 J	0.61 UJ	0.62 UJ	0.6 UJ	0.63 UJ
Calcium	mg/kg	721 J	1300 J	1930 =	718 =	250 J	388 J
Chromium	mg/kg	16.8 J	174 J	18.1 J	15.8 J	7.9 J	7.3 J
Cobalt	mg/kg	6.1 J	16.4 J	12.5 J	5.4 J	6.9 J	7.7 J
Copper	mg/kg	37.7 J	1860 J	45.6 J	69.8 J	5.8 J	10.8 J
Iron	mg/kg	24600 J	231000 J	26900 J	27200 J	16400 J	17000 J
Lead	mg/kg	15.6 =	772 =	17.6 =	19 =	17 =	22.2 =
Magnesium	mg/kg	2360 J	1470 J	3350 J	1920 J	1230 J	905 J
Manganese	mg/kg	138 J	834 J	471 J	230 J	667 J	550 J
Mercury	mg/kg	0.063 J	0.077 J	0.038 J	0.023 J	0.052 J	0.13 U
Nickel	mg/kg	13.4 J	82.7 J	27.2 J	13 J	7.9 J	8.6 J
Potassium	mg/kg	1030 J	1760 J	1680 =	1440 J	350 J	302 J
Selenium	mg/kg	1.2 =	6.1 =	0.61 U	0.62 U	0.6 U	0.63 U
Silver	mg/kg	1.2 UJ	1.3 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.3 UJ
Sodium	mg/kg	603 UJ	668 UJ	612 UJ	617 UJ	604 UJ	625 UJ
Thallium	mg/kg	0.43 UJ	0.4 UJ	0.4 J	0.41 J	0.3 J	0.36 J
Vanadium	mg/kg	26.1 J	13.8 J	21.8 =	22 =	16 =	14.9 =
Zinc	mg/kg	89.9 J	4970 J	90.2 =	317 =	36.4 =	38 =

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**DA1-034**	**DA1-035**	**DA1-036**	**DA1-037**	**DA1-038**	**DA1-038**
Sample Number		**DA1ss-034-0091-SO**	**DA1ss-035-0094-SO**	**DA1ss-036-0097-SO**	**DA1ss-037-0100-SO**	**DA1ss-038-0103-SO**	**DA1ss-038-0129-SO**
Sample Date		**10/27/1999**	**11/1/1999**	**11/2/1999**	**11/2/1999**	**11/2/1999**	**11/2/1999**
DEPTH		**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
Sample Purpose		**REG**	**REG**	**REG**	**REG**	**REG**	**FD**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.61 U	0.57 U	0.62 U	0.62 U	0.63 U	0.64 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	16100 =	6580 =	11600 =	8980 =	12300 =	11000 =
Antimony	mg/kg	1.2 R	1.1 UJ	1.2 UJ	1.2 UJ	1.3 UJ	1.3 UJ
Arsenic	mg/kg	15.6 J	8.8 =	9.6 =	9.9 =	10.5 =	10.2 =
Barium	mg/kg	114 J	23.4 =	70.9 =	60.6 =	109 =	91.9 =
Beryllium	mg/kg	0.83 U	0.21 U	0.28 U	0.19 U	0.42 J	0.47 J
Cadmium	mg/kg	0.61 UJ	0.57 U	0.62 U	0.62 U	0.63 U	0.64 U
Calcium	mg/kg	1390 =	520 J	1400 =	2240 =	2400 =	2080 =
Chromium	mg/kg	22.7 J	8.6 =	14.5 =	12.5 =	15 =	13.5 =
Cobalt	mg/kg	15.4 J	6.9 =	8.3 =	9.7 =	10.9 =	10.2 =
Copper	mg/kg	22.6 J	13.2 =	18.6 =	11.5 =	12.4 =	11.6 =
Iron	mg/kg	31500 J	15100 =	20900 =	20500 =	21600 =	20200 =
Lead	mg/kg	15.3 =	8 J	20.2 J	16.2 J	20 J	18 J
Magnesium	mg/kg	4480 J	1420 =	2200 =	1980 =	2420 =	2230 =
Manganese	mg/kg	467 J	227 =	447 =	656 =	2300 =	1690 =
Mercury	mg/kg	0.022 J	0.025 U	0.051 U	0.043 U	0.046 U	0.068 U
Nickel	mg/kg	35.9 J	11.9 J	15.5 J	15.5 J	19.4 J	16.4 J
Potassium	mg/kg	2950 J	902 =	1000 =	609 J	1060 =	897 =
Selenium	mg/kg	0.61 U	0.73 U	0.8 U	0.88 U	1.5 U	0.94 U
Silver	mg/kg	1.2 UJ	1.1 U	1.2 U	1.2 U	1.3 U	1.3 U
Sodium	mg/kg	607 UJ	63.5 U	93.7 U	53.8 U	67.8 U	53.1 U
Thallium	mg/kg	0.47 J	0.26 J	0.41 J	0.31 J	0.38 J	0.42 J
Vanadium	mg/kg	25.8 =	12.2 =	21 =	17.1 =	22.6 =	19.8 =
Zinc	mg/kg	72.5 =	33.8 =	86.8 =	47.9 =	60.6 =	53.6 =

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-039	DA1-040	DA1-040	DA1-041	DA1-042	DA1SS-050
Sample Number		DA1ss-039-0106-SO	DA1ss-040-0109-SO	DA1ss-040-0126-SO	DA1ss-041-0111-SO	DA1ss-042-0114-SO	DA1SS-050M-0201-SO
Sample Date		11/2/1999	11/3/1999	11/3/1999	11/3/1999	11/3/1999	9/27/2010
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	REG	FD	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.61 U	0.65 U	0.66 U	0.59 U	0.67 U	
Hexavalent Chromium	mg/kg						1.9 U
Total Solids	Percent						98.3
Metals							
Aluminum	mg/kg	8850 =	14900 =	14200 =	7740 =	61300 =	10900
Antimony	mg/kg	1.2 UJ	1.3 UJ	1.3 UJ	1.2 UJ	2.6 J	1.2
Arsenic	mg/kg	8 =	15.5 =	17.5 =	8 =	11.1 =	9.1
Barium	mg/kg	53.3 =	124 =	73.6 =	53.8 =	1840 =	78.8
Beryllium	mg/kg	0.23 U	0.52 J	0.36 J	0.59 U	0.25 U	0.38
Cadmium	mg/kg	0.61 U	0.65 U	0.66 U	0.59 U	65.5 =	2.6
Calcium	mg/kg	412 J	2410 =	1970 =	1080 =	1950 =	2500
Chromium	mg/kg	10.8 =	21.5 =	19.6 =	9.7 =	43.8 =	110
Cobalt	mg/kg	9.4 =	13.1 =	9 =	6.2 =	5.9 J	7.6
Copper	mg/kg	6.9 =	33.5 J	92.1 J	11.3 J	6500 J	188
Iron	mg/kg	15700 =	32900 =	34000 =	16400 =	25800 =	23700
Lead	mg/kg	16.1 J	18.5 =	22.5 =	11.5 =	149 =	23.4
Magnesium	mg/kg	1430 =	4220 =	2600 =	1600 =	2900 =	2860
Manganese	mg/kg	644 =	380 =	456 =	345 =	466 =	407
Mercury	mg/kg	0.05 U	0.041 U	0.058 U	0.033 U	0.23 U	0.037
Nickel	mg/kg	10.3 J	34.4 =	17.6 =	10.9 =	46 =	18.4
Potassium	mg/kg	573 J	2050 =	1220 =	485 J	1340 =	814
Selenium	mg/kg	0.97 U	1 =	1.2 =	0.74 =	0.87 =	0.75 J
Silver	mg/kg	1.2 U	1.3 U	1.3 U	1.2 U	0.41 J	0.035 U
Sodium	mg/kg	82.4 U	113 U	81.3 U	79.1 U	293 J	31.8
Thallium	mg/kg	0.37 J	0.34 J	0.26 J	0.25 J	0.28 J	1.6
Vanadium	mg/kg	17.2 =	25.3 =	29 =	13.8 =	18.2 =	16.1
Zinc	mg/kg	41.4 =	190 J	99.6 J	93.8 J	4680 J	191

Appendix C
Analytical Results Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) Metals/General Chemistry
Old Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SS-051	DA1SS-051	DA1SS-052	DA1SS-052	DA1SS-053	DA1SS-054	OD1gd-011a
	Sample Number	DA1SS-051M-0201-SO	DA1SS-080M-0201-SO	DA1SS-052D-0201-SO	DA1SS-052M-0201-SO	DA1SS-053M-0201-SO	DA1SS-054M-0201-SO	OD1gd-011a-BlueAsh
	Sample Date	9/27/2010	9/27/2010	9/27/2010	9/27/2010	11/10/2010	11/10/2010	7/6/2001
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 0_1 ft
	Sample Purpose	REG	FD	REG	REG	REG	REG	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY								
Cyanide, Total	mg/kg				0.16 J			0.29 U
Hexavalent Chromium	mg/kg	1.9 U	1.9 U		1.9 U	1.9 U	1.9 U	
Total Solids	Percent	98.2	97.8	82.2	97.9	98.5	97.8	
Metals								
Aluminum	mg/kg	8250	11400		6870	7920	8490	252000 =
Antimony	mg/kg	1.5	0.16 U		0.69	2.7	0.92	9.2 =
Arsenic	mg/kg	7.3	8.9		3.9	9.7	8.4	3.1 U
Barium	mg/kg	54.5	107		47	60.9	52.7	93.5 =
Beryllium	mg/kg	0.33	0.4		0.23	0.37	0.4	0.053 U
Cadmium	mg/kg	0.35	3		0.94	1.7	0.52	25.9 =
Calcium	mg/kg	2120	2260		600	929	552	213 =
Chromium	mg/kg	110	43		73.8	153 J	56.2	249 =
Cobalt	mg/kg	6.9	8.4		4.3	20.6 J	8.9	1.4 =
Copper	mg/kg	30.5	150		180	73.1 J	16.4	74200 =
Iron	mg/kg	18400	24300		11300	18400 J	19400	2100 =
Lead	mg/kg	16.1	25.3		13.2	14.8	11.6	2370 =
Magnesium	mg/kg	1960	2890		1360	2060	1940	486 =
Manganese	mg/kg	535	456		373	407	398	204 =
Mercury	mg/kg	0.036	0.037		0.079	0.038	0.032	0.011 J
Nickel	mg/kg	14.4	18		8	18.2	16.7	156 =
Potassium	mg/kg	542	729		850	1050	879	41.3 J
Selenium	mg/kg	0.73 J	0.62 J		0.52	1.2	2.4	0.54 U
Silver	mg/kg	0.035 U	0.035 U		0.017 U	0.035 UJ	0.035 U	4.6 =
Sodium	mg/kg	21.7	26.8		35.8	106 J	62.1	62.1 U
Thallium	mg/kg	1.5	1.5		1	0.081 UJ	0.38	0.24 U
Vanadium	mg/kg	14.3	16		8.5	14.5	15.6	7.5 =
Zinc	mg/kg	54.5	187		121	143	121	32100 =

bgs denotes below ground surface.
DA1 denotes Open Demolition Area #1.
FD denotes field duplicate.
ft denotes foot/feet.
gd denotes grid.
J denotes estimated concentration.
mg/kg denotes milligrams per kilogram.
OD1 denotes Open Demolition Area #1.
SO denotes soil.
ss denotes surface soil.
U denotes not detected.
VQ denotes validation qualifier.

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) PCBs/Pesticides
Open Demolition Area #1
RVAAP, Ravenna, Ohio

		Location Code	DA1-007	DA1-020	DA1-023	DA1-029
		Sample Number	DA1ss-007-0013-SO	DA1ss-020-0048-SO	DA1ss-023-0057-SO	DA1ss-029-0076-SO
		Sample Date	10/20/1999	10/22/1999	10/25/1999	10/26/1999
		DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
		Sample Purpose	REG	REG	REG	REG
Parameter	**Units**		**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
PCBS						
Aroclor 1262	mg/kg					
Aroclor 1268	mg/kg					
PCB-1016	mg/kg		0.037 U	0.04 U	0.043 U	0.044 U
PCB-1221	mg/kg		0.037 U	0.04 U	0.043 U	0.044 U
PCB-1232	mg/kg		0.037 U	0.04 U	0.043 U	0.044 U
PCB-1242	mg/kg		0.037 U	0.04 U	0.043 U	0.044 U
PCB-1248	mg/kg		0.037 U	0.04 U	0.043 U	0.044 U
PCB-1254	mg/kg		0.037 U	0.04 U	0.043 U	0.044 U
PCB-1260	mg/kg		0.037 U	0.04 U	0.043 U	0.044 U
Pesticides						
4,4'-DDD	mg/kg					
4,4'-DDE	mg/kg					
4,4'-DDT	mg/kg					
Aldrin	mg/kg					
alpha-BHC	mg/kg					
alpha-Chlordane	mg/kg					
beta-BHC	mg/kg					
Chlordane	mg/kg					
delta-BHC	mg/kg					
Dieldrin	mg/kg					
Endosulfan I	mg/kg					
Endosulfan II	mg/kg					
Endosulfan Sulfate	mg/kg					
Endrin	mg/kg					
Endrin Aldehyde	mg/kg					
Endrin Ketone	mg/kg					
gamma-Chlordane	mg/kg					
Heptachlor	mg/kg					
Heptachlor Epoxide	mg/kg					
Lindane	mg/kg					
Methoxychlor	mg/kg					
Toxaphene	mg/kg					

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) PCBs/Pesticides
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-040	DA1-040	DA1SS-052
	Sample Number	DA1ss-040-0109-SO	DA1ss-040-0126-SO	DA1SS-052M-0201-SO
	Sample Date	11/3/1999	11/3/1999	9/27/2010
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	FD	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**
PCBS				
Aroclor 1262	mg/kg			0.022 U
Aroclor 1268	mg/kg			0.029 U
PCB-1016	mg/kg	0.043 U	0.044 U	0.01 U
PCB-1221	mg/kg	0.043 U	0.044 U	0.021 U
PCB-1232	mg/kg	0.043 U	0.044 U	0.028 U
PCB-1242	mg/kg	0.043 U	0.044 U	0.03 U
PCB-1248	mg/kg	0.043 U	0.044 U	0.03 U
PCB-1254	mg/kg	0.043 U	0.044 U	0.024 U
PCB-1260	mg/kg	0.043 U	0.044 U	0.012 U
Pesticides				
4,4'-DDD	mg/kg			0.00031 U
4,4'-DDE	mg/kg			0.00082 J
4,4'-DDT	mg/kg			0.00072 J
Aldrin	mg/kg			0.00051 U
alpha-BHC	mg/kg			0.00061 U
alpha-Chlordane	mg/kg			0.00031 U
beta-BHC	mg/kg			0.00061 U
Chlordane	mg/kg			0.0041 U
delta-BHC	mg/kg			0.00031 U
Dieldrin	mg/kg			0.00031 U
Endosulfan I	mg/kg			0.00072 U
Endosulfan II	mg/kg			0.00031 U
Endosulfan Sulfate	mg/kg			0.00092 U
Endrin	mg/kg			0.00041 U
Endrin Aldehyde	mg/kg			0.0011 U
Endrin Ketone	mg/kg			0.00082 U
gamma-Chlordane	mg/kg			0.0052 J
Heptachlor	mg/kg			0.0019 J
Heptachlor Epoxide	mg/kg			0.00051 U
Lindane	mg/kg			0.00051 U
Methoxychlor	mg/kg			0.00072 U
Toxaphene	mg/kg			0.0051 U

bgs denotes below ground surface.
BHC denotes benzene hexachloride.
DA1 denotes Open Demolition Area #1.
DDD denotes dichlorodiphenyldichloroethane.
DDE denotes dichlorodiphenyldichloroethylene.
DDT denotes dichlorodiphenyltrichloroethane.
FD denotes field duplicate.
ft denotes foot/feet.
J denotes estimated concentration.
mg/kg denotes milligrams per kilogram.
PCB denotes polychlorinated biphenyl.
SO denotes soil.
ss denotes surface soil.
U denotes not detected.
VQ denotes validation qualifier.

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-007	DA1-020	DA1-023	DA1-029	DA1-040	DA1-040	DA1SS-052
Sample Number		DA1ss-007-0013-SO	DA1ss-020-0048-SO	DA1ss-023-0057-SO	DA1ss-029-0076-SO	DA1ss-040-0109-SO	DA1ss-040-0126-SO	DA1SS-052M-0201-SO
Sample Date		10/20/1999	10/22/1999	10/25/1999	10/26/1999	11/3/1999	11/3/1999	9/27/2010
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	REG	REG	REG	REG	FD	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Semivolatiles								
1,2,4-Trichlorobenzene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.022 U
1,2-Dichlorobenzene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.025 U
1,3-Dichlorobenzene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.02 U
1,4-Dichlorobenzene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.019 U
2,4,5-Trichlorophenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.13 U
2,4,6-Trichlorophenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.13 U
2,4-Dichlorophenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.12 U
2,4-Dimethylphenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.1 U
2,4-Dinitrophenol	mg/kg	0.89 U	0.98 UJ	1 UJ	1.1 UJ	1 U	4.2 U	0.71 U
2,4-Dinitrotoluene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.025 U
2,6-Dinitrotoluene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.025 U
2-Chloronaphthalene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.024 U
2-Chlorophenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.35 U
2-Methylnaphthalene	mg/kg	0.043 J	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.026 U
2-Nitroaniline	mg/kg	0.89 U	0.98 UJ	1 U	1.1 U	1 U	4.2 U	0.024 U
2-Nitrophenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.29 U
3,3'-Dichlorobenzidine	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.15 U
3-Nitroaniline	mg/kg	0.89 U	0.98 UJ	1 U	1.1 U	1 U	4.2 U	0.023 U
4,6-Dinitro-2-Methylphenol	mg/kg	0.89 U	0.98 UJ	1 U	1.1 U	1 U	4.2 U	0.28 U
4-Bromophenyl Phenyl Ether	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.026 U
4-Chloro-3-Methylphenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.39 U
4-Chloroaniline	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.04 U
4-Chlorophenyl Phenyl Ether	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.027 U
4-Methylphenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	
4-Nitrobenzenamine	mg/kg	0.89 U	0.98 UJ	1 U	1.1 U	1 U	4.2 U	0.031 U
4-Nitrophenol	mg/kg	0.89 U	0.98 UJ	1 U	1.1 U	1 U	4.2 U	0.41 U
Acenaphthene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.025 U
Acenaphthylene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.025 U
Anthracene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.025 U
Benzo(a)anthracene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.026 U
Benzo(a)pyrene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.024 U
Benzo(b)fluoranthene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.026 U
Benzo(ghi)perylene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.023 U
Benzo(k)fluoranthene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.026 U
Benzoic Acid	mg/kg							0.3 U
Benzyl Alcohol	mg/kg							0.085 U
Bis(2-Chloroethoxy)methane	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.024 U
Bis(2-Chloroethyl)ether	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.026 U
Bis(2-Chloroisopropyl)ether	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.031 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Surface Soil Samples (0-1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-007	DA1-020	DA1-023	DA1-029	DA1-040	DA1-040	DA1SS-052
	Sample Number	DA1ss-007-0013-SO	DA1ss-020-0048-SO	DA1ss-023-0057-SO	DA1ss-029-0076-SO	DA1ss-040-0109-SO	DA1ss-040-0126-SO	DA1SS-052M-0201-SO
	Sample Date	10/20/1999	10/22/1999	10/25/1999	10/26/1999	11/3/1999	11/3/1999	9/27/2010
	DEPTH	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Purpose	REG	REG	REG	REG	REG	FD	REG
Parameter	Units	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ
Bis(2-Ethylhexyl)phthalate	mg/kg	0.37 U	0.4 UJ	0.051 J	0.44 U	0.43 U	1.7 U	0.089 U
Butyl Benzyl Phthalate	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.075 U
Carbazole	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.029 U
Chrysene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.026 U
Cresols (Total)	mg/kg							0.67 U
Dibenzo(a,h)anthracene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.023 U
Dibenzofuran	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.025 U
Diethyl Phthalate	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.066 U
Dimethyl Phthalate	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.065 U
Di-n-Butyl Phthalate	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.21 J
Di-n-Octyl Phthalate	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.06 U
Fluoranthene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.027 U
Fluorene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.026 U
Hexachlorobenzene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.029 U
Hexachlorobutadiene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.064 U
Hexachlorocyclopentadiene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.053 U
Hexachloroethane	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.034 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.024 U
Isophorone	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.051 U
Naphthalene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.022 U
Nitrobenzene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.06 U
N-Nitroso-di-n-Propylamine	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.072 U
N-Nitrosodiphenylamine	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.051 U
o-Cresol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.43 U
Pentachlorophenol	mg/kg	0.89 U	0.98 UJ	1 U	1.1 U	1 U	4.2 U	0.25 U
Phenanthrene	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.027 U
Phenol	mg/kg	0.37 U	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.16 U
Pyrene	mg/kg	0.049 J	0.4 UJ	0.43 U	0.44 U	0.43 U	1.7 U	0.027 U

bgs denotes below ground surface.
DA1 denotes Open Demolition Area #1.
FD denotes field duplicate.
ft denotes foot/feet.
J denotes estimated concentration.
mg/kg denotes milligrams per kilogram.
SO denotes soil.
ss denotes surface soil.
SVOCs denotes semivolatile organic compounds.
U denotes not detected.
VQ denotes validation qualifier.

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase I RI Surface Soil Samples (0-1 ft bgs) VOCs
Open Demolition Area #1
Ravenna ArmyAmmunition Plant, Ravenna, Ohio

Location Code		DA1-007	DA1-020	DA1-023	DA1-029	DA1-040	DA1-040	DA1SS-052
Sample Number		DA1ss-007-0013-SO	DA1ss-020-0048-SO	DA1ss-023-0057-SO	DA1ss-029-0076-SO	DA1ss-040-0109-SO	DA1ss-040-0126-SO	DA1SS-052D-0201-SO
Sample Date		10/20/1999	10/22/1999	10/25/1999	10/26/1999	11/3/1999	11/3/1999	9/27/2010
DEPTH		0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
Sample Purpose		REG	REG	REG	REG	REG	FD	REG
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Volatiles								
1,1,1-Trichloroethane	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.012 U
1,1,2,2-Tetrachloroethane	mg/kg	0.0055 UJ	0.0061 U	0.0066 UJ	0.0067 UJ	0.0065 U	0.0066 U	0.0073 U
1,1,2-Trichloroethane	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.0098 U
1,1-Dichloroethane	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.013 U
1,1-Dichloroethylene	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.02 U
1,2-Dibromoethane	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.012 U
1,2-Dichloroethane	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.015 U
1,2-Dichloroethylene	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	
1,2-Dichloropropane	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.0086 U
1,2-Dimethylbenzene	mg/kg							0.0098 U
2-Hexanone	mg/kg	0.011 U	0.012 U	0.013 UJ	0.013 U	0.013 U	0.013 U	0.083 U
Acetone	mg/kg	0.011 UJ	0.012 UJ	0.013 UJ	0.013 UJ	0.0068 J	0.013 U	0.077 U
Benzene	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.0061 U
Bromochloromethane	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.0098 U
Bromodichloromethane	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.011 U
Bromoform	mg/kg	0.0055 U	0.0061 U	0.0066 UJ	0.0067 U	0.0065 U	0.0066 U	0.0073 U
Bromomethane	mg/kg	0.011 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.037 U
Carbon Disulfide	mg/kg	0.0055 UJ	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.018 U
Carbon Tetrachloride	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.013 U
Chlorobenzene	mg/kg	0.0055 U	0.0061 U	0.0066 UJ	0.0067 U	0.0065 U	0.0066 U	0.0098 U
Chloroethane	mg/kg	0.011 U	0.012 UJ	0.013 U	0.013 U	0.013 U	0.013 U	0.023 U
Chloroform	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.011 U
Chloromethane	mg/kg	0.011 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.031 U
cis-1,2-Dichloroethene	mg/kg							0.012 U
cis-1,3-Dichloropropene	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.012 U
Dibromochloromethane	mg/kg	0.0055 U	0.0061 U	0.0066 UJ	0.0067 U	0.0065 U	0.0066 U	0.0098 U
Ethylbenzene	mg/kg	0.0055 U	0.0061 U	0.0066 UJ	0.0067 U	0.0065 U	0.0066 U	0.0098 U
Methyl Ethyl Ketone	mg/kg	0.011 UJ	0.012 UJ	0.013 UJ	0.013 U	0.013 U	0.013 U	0.12 U
Methyl Isobutyl Ketone	mg/kg	0.011 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.1 U
Methylene Chloride	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.049 U
Styrene	mg/kg	0.0055 U	0.0061 UJ	0.0066 UJ	0.0067 U	0.0065 U	0.0066 U	0.0073 U
Tetrachloroethylene	mg/kg	0.0055 U	0.0061 U	0.0066 UJ	0.0067 U	0.0065 U	0.0066 U	0.0098 U
Toluene	mg/kg	0.0055 U	0.0061 U	0.0025 J	0.0046 J	0.0065 U	0.0066 U	0.0086 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase I RI Surface Soil Samples (0-1 ft bgs) VOCs
Open Demolition Area #1
Ravenna ArmyAmmunition Plant, Ravenna, Ohio

	Location Code	**DA1-007**	**DA1-020**	**DA1-023**	**DA1-029**	**DA1-040**	**DA1-040**	**DA1SS-052**
	Sample Number	**DA1ss-007-0013-SO**	**DA1ss-020-0048-SO**	**DA1ss-023-0057-SO**	**DA1ss-029-0076-SO**	**DA1ss-040-0109-SO**	**DA1ss-040-0126-SO**	**DA1SS-052D-0201-SO**
	Sample Date	**10/20/1999**	**10/22/1999**	**10/25/1999**	**10/26/1999**	**11/3/1999**	**11/3/1999**	**9/27/2010**
	DEPTH	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
trans-1,2-Dichloroethene	mg/kg							0.013 U
trans-1,3-Dichloropropene	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.0086 U
Trichloroethylene	mg/kg	0.0055 U	0.0061 U	0.0066 U	0.0067 U	0.0065 U	0.0066 U	0.012 U
Vinyl Chloride	mg/kg	0.011 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.017 U
Xylene, (Total)	mg/kg	0.0055 U	0.0061 U	0.0066 UJ	0.0018 J	0.0065 U	0.0066 U	0.022 U

bgs denotes below ground surface.
DA1 denotes Open Demolition Area #1.
FD denotes field duplicate.
ft denotes foot/feet.
gd denotes grid.
J denotes C93estimated concentration.
mg/kg denotes milligrams per kilogram.
OD1 denotes Open Demolition Area #1.
SO denote soil.
ss denotes surface soil.
U denotes not detected.
VOC denotes volatile organic compounds.
VQ denotes validation qualifier.

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1-001**	**DA1-002**	**DA1-003**	**DA1-007**	**DA1-007**	**DA1-010**
	Sample Number	**DA1so-001-0002-SO**	**DA1so-002-0004-SO**	**DA1so-003-0006-SO**	**DA1so-007-0014-SO**	**DA1ss-007-0135-SO**	**DA1so-010-0020-SO**
	Sample Date	**10/19/1999**	**10/19/1999**	**10/19/1999**	**10/20/1999**	**10/20/1999**	**10/20/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**
	DEPTH	**1 - 3 ft**	**1 - 3 ft**	**1 - 3 ft**	**1 - 3 ft**	**1 - 3 ft**	**1 - 3 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.4 U					
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U					
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1-012**	**DA1-012**	**DA1-013**	**DA1-013**	**DA1-014**	**DA1-014**
	Sample Number	**DA1so-012-0024-SO**	**DA1so-012-0025-SO**	**DA1so-013-0027-SO**	**DA1so-013-0028-SO**	**DA1so-014-0030-SO**	**DA1so-014-0031-SO**
	Sample Date	**10/21/1999**	**10/21/1999**	**10/21/1999**	**10/21/1999**	**10/21/1999**	**10/21/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg	2.4 U	2.4 U				
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U				
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1-015**	**DA1-015**	**DA1-016**	**DA1-016**	**DA1-016**	**DA1-017**
	Sample Number	**DA1so-015-0033-SO**	**DA1so-015-0034-SO**	**DA1so-016-0037-SO**	**DA1so-016-0038-SO**	**DA1ss-016-0132-SO**	**DA1so-017-0040-SO**
	Sample Date	**10/21/1999**	**10/21/1999**	**10/21/1999**	**10/21/1999**	**10/21/1999**	**10/21/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**
	DEPTH	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**1 - 3 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1-017**	**DA1-018**	**DA1-018**	**DA1-018**	**DA1-018**	**DA1-019**
	Sample Number	**DA1so-017-0041-SO**	**DA1so-018-0043-SO**	**DA1so-018-0044-SO**	**DA1so-018-0160-SO**	**DA1ss-018-0131-SO**	**DA1so-019-0046-SO**
	Sample Date	**10/21/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**
	DEPTH	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**6 - 8 ft**	**1 - 3 ft**	**1 - 3 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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	Location Code	**DA1-019**	**DA1-019**	**DA1-020**	**DA1-020**	**DA1-020**	**DA1-021**
	Sample Number	**DA1so-019-0047-SO**	**DA1so-019-0161-SO**	**DA1so-020-0049-SO**	**DA1so-020-0050-SO**	**DA1so-020-0162-SO**	**DA1so-021-0052-SO**
	Sample Date	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/24/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**3 - 5 ft**	**6 - 8 ft**	**1 - 3 ft**	**3 - 5 ft**	**6 - 8 ft**	**1 - 3 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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	Location Code	**DA1-021**	**DA1-021**	**DA1-022**	**DA1-022**	**DA1-023**	**DA1-023**
	Sample Number	**DA1so-021-0053-SO**	**DA1so-021-0163-SO**	**DA1so-022-0055-SO**	**DA1so-022-0056-SO**	**DA1so-023-0058-SO**	**DA1so-023-0059-SO**
	Sample Date	**10/24/1999**	**10/24/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**3 - 5 ft**	**6 - 8 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg			2.4 U	2.4 U	2.4 U	2.4 U
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg			0.25 U	0.25 U	0.25 U	0.25 U
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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	Location Code	**DA1-024**	**DA1-024**	**DA1-025**	**DA1-025**	**DA1-026**	**DA1-026**
	Sample Number	**DA1so-024-0061-SO**	**DA1so-024-0062-SO**	**DA1so-025-0064-SO**	**DA1so-025-0065-SO**	**DA1so-026-0067-SO**	**DA1so-026-0068-SO**
	Sample Date	**10/25/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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Location Code		DA1-027	DA1-027	DA1-028	DA1-028	DA1-029	DA1-030
Sample Number		DA1so-027-0070-SO	DA1so-027-0071-SO	DA1so-028-0074-SO	DA1so-028-0075-SO	DA1so-029-0077-SO	DA1so-030-0080-SO
Sample Date		10/20/1999	10/20/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999
Sample Purpose		REG	REG	REG	REG	REG	REG
DEPTH		1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	1 - 3 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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	Location Code	**DA1-031**	**DA1-031**	**DA1-032**	**DA1-032**	**DA1-033**	**DA1-033**
	Sample Number	**DA1so-031-0083-SO**	**DA1so-031-0084-SO**	**DA1so-032-0086-SO**	**DA1so-032-0087-SO**	**DA1so-033-0089-SO**	**DA1so-033-0090-SO**
	Sample Date	**10/26/1999**	**10/26/1999**	**10/27/1999**	**10/27/1999**	**10/27/1999**	**10/27/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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Analytical Results
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	Location Code	**DA1-034**	**DA1-034**	**DA1-035**	**DA1-035**	**DA1-036**	**DA1-036**
	Sample Number	**DA1so-034-0092-SO**	**DA1so-034-0093-SO**	**DA1so-035-0095-SO**	**DA1so-035-0096-SO**	**DA1so-036-0098-SO**	**DA1so-036-0099-SO**
	Sample Date	**10/27/1999**	**10/27/1999**	**11/1/1999**	**11/1/1999**	**11/2/1999**	**11/2/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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Open Demolition Area #1
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Location Code		DA1-037	DA1-037	DA1-038	DA1-038	DA1-038	DA1-038
Sample Number		DA1so-037-0101-SO	DA1so-037-0102-SO	DA1so-038-0104-SO	DA1so-038-0105-SO	DA1ss-038-0133-SO	DA1ss-038-0134-SO
Sample Date		11/2/1999	11/2/1999	11/2/1999	11/2/1999	11/2/1999	11/2/1999
Sample Purpose		REG	REG	REG	REG	FD	FD
DEPTH		1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

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Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
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Open Demolition Area #1
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	Location Code	**DA1-039**	**DA1-039**	**DA1-040**	**DA1-041**	**DA1-041**	**DA1-041**
	Sample Number	**DA1so-039-0107-SO**	**DA1so-039-0108-SO**	**DA1so-040-0110-SO**	**DA1so-041-0112-SO**	**DA1so-041-0113-SO**	**DA1so-041-0164-SO**
	Sample Date	**11/2/1999**	**11/2/1999**	**11/3/1999**	**11/3/1999**	**11/3/1999**	**11/3/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**1 - 3 ft**	**3 - 5 ft**	**6 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.12 J	0.25 U	0.25 U	0.25 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nitrocellulose	mg/kg				2 U	2 U	
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nitroguanidine	mg/kg				0.25 U	0.25 U	
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-042	DA1-042	DA1-042	DA1SB-055	DA1SB-055	DA1SB-055
	Sample Number	DA1so-042-0115-SO	DA1so-042-0116-SO	DA1so-042-0165-SO	DA1SB-055M-0001-SO	DA1SB-055M-0002-SO	DA1SB-055M-0003-SO
	Sample Date	11/3/1999	11/3/1999	11/3/1999	9/22/2010	9/22/2010	9/22/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 3 ft	3 - 5 ft	6 - 8 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.079 U	0.08 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.089 U	0.09 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.07 U	0.07 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg				0.05 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg				0.089 U	0.09 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg				0.07 U	0.07 U	0.07 U
HMX	mg/kg	0.5 U	0.5 U	0.5 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.07 U	0.07 U	0.07 U
Nitrobenzene	mg/kg	0.25 U	0.25 U	0.25 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg	2 U	2 U	2 U			
Nitroglycerin	mg/kg	2.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Nitroguanidine	mg/kg	0.25 U	0.25 U	0.25 U			
o-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.089 U	0.09 U	0.09 U
Petn	mg/kg				0.5 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.25 U	0.25 U	0.25 U	0.07 U	0.07 U	0.07 U
RDX	mg/kg	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.65 U	0.65 U	0.65 U	0.089 U	0.09 U	0.09 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-056**	**DA1SB-056**	**DA1SB-056**	**DA1SB-056**	**DA1SB-057**	**DA1SB-057**
	Sample Number	**DA1SB-056M-0001-SO**	**DA1SB-056M-0002-SO**	**DA1SB-056M-0003-SO**	**DA1SB-056M-0004-SO**	**DA1SB-057M-0201-SO**	**DA1SB-057M-0202-SO**
	Sample Date	**9/22/2010**	**9/22/2010**	**9/22/2010**	**9/22/2010**	**9/23/2010**	**9/23/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**1 - 4 ft**	**4 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.08 U	0.081 U	0.08 U	0.08 U	0.079 U	0.079 U
2,4,6-Trinitrotoluene	mg/kg	0.09 U	0.091 U	0.09 U	0.09 U	0.089 U	0.089 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.071 U	0.07 U	0.07 U	0.069 U	0.069 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.051 U	0.05 U	0.05 U	0.05 U	0.049 U
3,5-Dinitroaniline	mg/kg	0.09 U	0.091 U	0.09 U	0.09 U	0.089 U	0.089 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.071 U	0.07 U	0.07 U	0.069 U	0.069 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.07 U	0.071 U	0.07 U	0.07 U	0.069 U	0.069 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	0.5 U	0.51 U	0.5 U	0.5 U	0.5 U	0.49 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.09 U	0.091 U	0.09 U	0.09 U	0.089 U	0.089 U
Petn	mg/kg	0.5 U	0.51 U	0.5 U	0.5 U	0.5 U	0.49 U
p-Nitrotoluene	mg/kg	0.07 U	0.071 U	0.07 U	0.07 U	0.069 U	0.069 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.09 U	0.091 U	0.09 U	0.09 U	0.089 U	0.089 U

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-057	DA1SB-057	DA1SB-058	DA1SB-058	DA1SB-058	DA1SB-059
	Sample Number	DA1SB-057M-0203-SO	DA1SB-057M-0204-SO	DA1SB-058M-0201-SO	DA1SB-058M-0202-SO	DA1SB-058M-0203-SO	DA1SB-059M-0201-SO
	Sample Date	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	8 - 12 ft	12 - 16 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	5 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.079 U	0.08 U	0.079 U	0.08 U	0.08 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.069 U	0.07 U	0.069 U	0.07 U	0.07 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.049 U	0.05 U	0.049 U	0.05 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.069 U	0.07 U	0.069 U	0.07 U	0.07 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.069 U	0.07 U	0.069 U	0.07 U	0.07 U	0.07 U
Nitrobenzene	mg/kg	0.039 U	0.04 U	0.039 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg						7 U
Nitroglycerin	mg/kg	0.49 U	0.5 U	0.49 U	0.5 U	0.5 U	0.5 U
Nitroguanidine	mg/kg						0.06 U
o-Nitrotoluene	mg/kg	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U	0.09 U
Petn	mg/kg	0.49 U	0.5 U	0.49 U	0.5 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.069 U	0.07 U	0.069 U	0.07 U	0.07 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U	0.09 U

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-059**	**DA1SB-059**	**DA1SB-059**	**DA1SB-060**	**DA1SB-060**	**DA1SB-060**
	Sample Number	**DA1SB-059M-0202-SO**	**DA1SB-059M-0203-SO**	**DA1SB-081M-0203-SO**	**DA1SB-060M-0201-SO**	**DA1SB-060M-0202-SO**	**DA1SB-060M-0203-SO**
	Sample Date	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**
	Sample Purpose	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**
	DEPTH	**8 - 12 ft**	**12 - 16 ft**	**12 - 16 ft**	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.079 U	0.08 U	0.079 U	0.08 U	0.08 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.049 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	0.49 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U	0.09 U
Petn	mg/kg	0.49 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U	0.09 U

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-060**	**DA1SB-061**	**DA1SB-061**	**DA1SB-061**	**DA1SB-061**	**DA1SB-062**
	Sample Number	**DA1SB-060M-0204-SO**	**DA1SB-061M-0201-SO**	**DA1SB-061M-0202-SO**	**DA1SB-061M-0203-SO**	**DA1SB-061M-0204-SO**	**DA1SB-062M-0201-SO**
	Sample Date	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**12 - 16 ft**	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**1 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.079 U
2,4,6-Trinitrotoluene	mg/kg	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.089 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U
3,5-Dinitroaniline	mg/kg	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.089 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.49 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.089 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.49 U
p-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.089 U

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-062**	**DA1SB-062**	**DA1SB-062**	**DA1SB-063**	**DA1SB-063**	**DA1SB-063**
	Sample Number	**DA1SB-062M-0202-SO**	**DA1SB-062M-0203-SO**	**DA1SB-062M-0204-SO**	**DA1SB-063M-0201-SO**	**DA1SB-063M-0202-SO**	**DA1SB-063M-0203-SO**
	Sample Date	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.08 U	0.08 U	0.08 U	0.08 U	0.079 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	0.09 U	0.09 U	0.09 U	0.089 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.089 U	0.09 U	0.09 U	0.09 U	0.089 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg				7 UJ	7 U	7 U
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitroguanidine	mg/kg				0.06 U	0.059 U	0.06 U
o-Nitrotoluene	mg/kg	0.089 U	0.09 U	0.09 U	0.09 U	0.089 U	0.09 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.089 U	0.09 U	0.09 U	0.09 U	0.089 U	0.09 U

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-063**	**DA1SB-064**	**DA1SB-064**	**DA1SB-064**	**DA1SB-065**	**DA1SB-065**
	Sample Number	**DA1SB-082M-0202-SO**	**DA1SB-064M-0201-SO**	**DA1SB-064M-0202-SO**	**DA1SB-064M-0203-SO**	**DA1SB-065M-0201-SO**	**DA1SB-065M-0202-SO**
	Sample Date	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**
	Sample Purpose	**FD**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**8 - 12 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**4 - 8 ft**	**8 - 12 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.079 U	0.079 U	0.08 U	0.08 U	0.079 U	0.079 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	0.089 U	0.089 U	0.09 U	0.089 U	0.089 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.069 U	0.069 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.089 U	0.089 U	0.089 U	0.09 U	0.089 U	0.089 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.069 U	0.069 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.069 U	0.069 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg	7 U	7 U	7 U	7 U		
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitroguanidine	mg/kg	0.06 U	0.06 U	0.06 U	0.059 U		
o-Nitrotoluene	mg/kg	0.089 U	0.089 U	0.089 U	0.09 U	0.089 U	0.089 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.069 U	0.069 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.089 U	0.089 U	0.089 U	0.09 U	0.089 U	0.089 U

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-065**	**DA1SB-065**	**DA1SB-066**	**DA1SB-066**	**DA1SB-066**	**DA1SB-066**
	Sample Number	**DA1SB-065M-0203-SO**	**DA1SB-083M-0202-SO**	**DA1SB-066M-0201-SO**	**DA1SB-066M-0202-SO**	**DA1SB-066M-0203-SO**	**DA1SB-066M-0204-SO**
	Sample Date	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**	**9/23/2010**
	Sample Purpose	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**12 - 16 ft**	**8 - 12 ft**	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.078 U	0.079 U	0.08 U	0.08 U	0.078 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.088 U	0.089 U	0.09 U	0.09 U	0.088 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.068 U	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.049 U	0.05 U	0.05 U	0.05 U	0.049 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.088 U	0.089 U	0.09 U	0.09 U	0.088 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.068 U	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.068 U	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U
Nitrobenzene	mg/kg	0.039 U	0.04 U	0.04 U	0.04 U	0.039 U	0.04 U
Nitrocellulose	mg/kg			7 U	7 U	7 U	7 U
Nitroglycerin	mg/kg	0.49 U	0.5 U	0.5 U	0.5 U	0.49 U	0.5 U
Nitroguanidine	mg/kg			0.06 U	0.06 U	0.059 U	0.059 U
o-Nitrotoluene	mg/kg	0.088 U	0.089 U	0.09 U	0.09 U	0.088 U	0.09 U
Petn	mg/kg	0.49 U	0.5 U	0.5 U	0.5 U	0.49 U	0.5 U
p-Nitrotoluene	mg/kg	0.068 U	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.088 U	0.089 U	0.09 U	0.09 U	0.088 U	0.09 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-067**	**DA1SB-067**	**DA1SB-067**	**DA1SB-067**	**DA1SB-068**	**DA1SB-068**
	Sample Number	**DA1SB-067M-0201-SO**	**DA1SB-067M-0202-SO**	**DA1SB-067M-0203-SO**	**DA1SB-067M-0204-SO**	**DA1SB-068M-0201-SO**	**DA1SB-068M-0202-SO**
	Sample Date	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**2 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**1 - 4 ft**	**4 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.08 U	0.08 U	0.08 U	0.079 U	0.08 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.09 U	0.09 U	0.09 U	0.089 U	0.091 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.05 U	0.049 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.09 U	0.09 U	0.09 U	0.089 U	0.091 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U	0.07 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.039 U	0.04 U	0.04 U
Nitrocellulose	mg/kg					7 U	7 U
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.49 U	0.5 U	0.5 U
Nitroguanidine	mg/kg					0.06 U	0.06 U
o-Nitrotoluene	mg/kg	0.09 U	0.09 U	0.09 U	0.089 U	0.091 U	0.09 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.49 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.09 U	0.09 U	0.09 U	0.089 U	0.091 U	0.09 U

bgs denotes below ground surface
DA1 denotes Open Demolition Area #1
FD denotes field duplicate
ft denotes foot/feet
HMX denotes octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
J denotes estimated concentration
mg/kg denotes milligrams per kilogram
RDX denotes hexahydro-1,3,5-trinitro-1,3,5-triazine
SB denotes soil boring
so denotes subsurface soil
SO denotes soil
U denotes not detected
VQ denotes validation qualifier

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-068	DA1SB-068	DA1SB-068	DA1SB-068	DA1SB-069	DA1SB-069
	Sample Number	DA1SB-068M-0203-SO	DA1SB-068M-0204-SO	DA1SB-084M-0201-SO	DA1SB-084M-0201-SOa	DA1SB-069M-0201-SO	DA1SB-069M-0202-SO
	Sample Date	9/24/2010	9/24/2010	9/24/2010	11/10/2010	9/24/2010	9/24/2010
	Sample Purpose	REG	REG	FD	FD	REG	REG
	DEPTH	8 - 12 ft	12 - 16 ft	1 - 4 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.079 U	0.079 U	0.08 U	0.079 U	0.08 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.069 U	0.069 U	0.07 U	0.069 U	0.07 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.089 U	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.069 U	0.069 U	0.07 U	0.069 U	0.07 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.069 U	0.069 U	0.07 U	0.069 U	0.07 U	0.07 U
Nitrobenzene	mg/kg	0.039 U	0.04 U	0.04 U	0.039 U	0.04 U	0.04 U
Nitrocellulose	mg/kg	7 U	7 U	7 U		7 U	7 U
Nitroglycerin	mg/kg	0.49 U	0.5 U	0.5 U	0.49 U	0.5 U	0.5 U
Nitroguanidine	mg/kg	0.059 U	0.058 U	0.059 U		0.059 U	0.059 U
o-Nitrotoluene	mg/kg	0.089 U	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U
Petn	mg/kg	0.49 U	0.5 U	0.5 U	0.49 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.069 U	0.069 U	0.07 U	0.069 U	0.07 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.089 U	0.089 U	0.09 U	0.089 U	0.09 U	0.09 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-069	DA1SB-070	DA1SB-070	DA1SB-070	DA1SB-070	DA1SB-070
	Sample Number	DA1SB-069M-0203-SO	DA1SB-070M-0201-SO	DA1SB-070M-0202-SO	DA1SB-070M-0203-SO	DA1SB-070M-0204-SO	DA1SB-085M-0204-SO
	Sample Date	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
	Sample Purpose	REG	REG	REG	REG	REG	FD
	DEPTH	12 - 16 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	12 - 16 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.079 U	0.079 U	0.08 U	0.08 U	0.08 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	64 J	0.2 J	0.09 U	0.09 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.069 U	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.31 J	0.05 U	0.05 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.089 U	0.089 U	0.09 U	0.09 U	0.09 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.069 U	0.069 UJ	0.07 U	0.07 U	0.07 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.069 U	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg	7 U	7 U	7 U	7 U	7 U	
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitroguanidine	mg/kg	0.06 U	0.06 U	0.06 U	0.061 U	0.06 U	
o-Nitrotoluene	mg/kg	0.089 U	0.089 U	0.09 U	0.09 U	0.09 U	0.09 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.069 U	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.089 U	0.089 U	0.09 U	0.09 U	0.09 U	0.09 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-071	DA1SB-071	DA1SB-071	DA1SB-072	DA1SB-072	DA1SB-072
	Sample Number	DA1SB-071M-0201-SO	DA1SB-071M-0202-SO	DA1SB-071M-0203-SO	DA1SB-072M-0201-SO	DA1SB-072M-0202-SO	DA1SB-072M-0203-SO
	Sample Date	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	4 - 8 ft	8 - 12 ft	12 - 16 ft	2 - 4 ft	4 - 8 ft	8 - 12 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.079 U	0.08 U	0.08 U	0.08 U	0.08 U	0.081 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	0.09 U	0.09 U	0.091 U	0.09 U	0.091 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.089 U	0.09 U	0.09 U	0.091 U	0.09 U	0.091 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg	7 U					
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitroguanidine	mg/kg	0.06 U					
o-Nitrotoluene	mg/kg	0.089 U	0.09 U	0.09 U	0.091 U	0.09 U	0.091 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Nitrotoluene	mg/kg	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.089 U	0.09 U	0.09 U	0.091 U	0.09 U	0.091 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1SB-072	DA1SB-072	DA1SB-073	DA1SB-073	DA1SB-073	DA1SB-073
Sample Number		DA1SB-072M-0204-SO	DA1SB-086M-0204-SO	DA1SB-073M-0201-SO	DA1SB-073M-0202-SO	DA1SB-073M-0203-SO	DA1SB-073M-0204-SO
Sample Date		9/24/2010	9/24/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010
Sample Purpose		REG	FD	REG	REG	REG	REG
DEPTH		12 - 16 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.08 U	0.08 U	0.08 U	0.08 U	0.079 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.09 U	0.089 U	0.09 U	0.089 U	0.089 U	0.089 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.09 U	0.089 U	0.09 U	0.089 U	0.089 U	0.089 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.04 U
Nitrocellulose	mg/kg			7 U			
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.49 U	0.5 U
Nitroguanidine	mg/kg			0.058 U			
o-Nitrotoluene	mg/kg	0.09 U	0.089 U	0.09 U	0.089 U	0.089 U	0.089 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.49 U	0.5 U
p-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.09 U	0.089 U	0.09 U	0.089 U	0.089 U	0.089 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-074	DA1SB-074	DA1SB-074	DA1SB-074	DA1SB-075	DA1SB-075
	Sample Number	DA1SB-074M-0201-SO	DA1SB-074M-0202-SO	DA1SB-074M-0203-SO	DA1SB-074M-0204-SO	DA1SB-075M-0201-SO	DA1SB-075M-0202-SO
	Sample Date	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.08 U	0.08 U	0.08 U	0.081 U	0.079 U	0.081 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	0.091 U	0.09 U	0.091 U	0.089 U	0.091 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.071 U	0.069 U	0.071 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.05 U	0.051 U	0.049 U	0.051 U
3,5-Dinitroaniline	mg/kg	0.089 U	0.091 U	0.09 U	0.091 U	0.089 U	0.091 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.071 U	0.069 U	0.071 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.071 U	0.069 U	0.071 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.04 U
Nitrocellulose	mg/kg		7 U				
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.51 U	0.49 U	0.51 U
Nitroguanidine	mg/kg		0.061 U				
o-Nitrotoluene	mg/kg	0.089 U	0.091 U	0.09 U	0.091 U	0.089 U	0.091 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.51 U	0.49 U	0.51 U
p-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.071 U	0.069 U	0.071 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.089 U	0.091 U	0.09 U	0.091 U	0.089 U	0.091 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-075	DA1SB-075	DA1SB-076	DA1SB-076	DA1SB-076	DA1SB-076
	Sample Number	DA1SB-075M-0203-SO	DA1SB-075M-0204-SO	DA1SB-076M-0201-SO	DA1SB-076M-0202-SO	DA1SB-076M-0203-SO	DA1SB-088M-0203-SO
	Sample Date	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010
	Sample Purpose	REG	REG	REG	REG	REG	FD
	DEPTH	8 - 12 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	8 - 12 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	mg/kg	0.08 U	0.08 U	0.079 U	0.081 U	0.081 U	0.08 U
2,4,6-Trinitrotoluene	mg/kg	0.09 U	0.091 U	0.089 U	0.091 U	0.091 U	0.09 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.069 U	0.07 U	0.071 U	0.07 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.049 U	0.05 U	0.051 U	0.05 U
3,5-Dinitroaniline	mg/kg	0.09 U	0.091 U	0.089 U	0.091 U	0.091 U	0.09 U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.069 U	0.07 U	0.071 U	0.07 U
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
m-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.069 U	0.07 U	0.071 U	0.07 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.039 U	0.04 U	0.04 U	0.04 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.49 U	0.5 U	0.51 U	0.5 U
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.09 U	0.091 U	0.089 U	0.091 U	0.091 U	0.09 U
Petn	mg/kg	0.5 U	0.5 U	0.49 U	0.5 U	0.51 U	0.5 U
p-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.069 U	0.07 U	0.071 U	0.07 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Tetryl	mg/kg	0.09 U	0.091 U	0.089 U	0.091 U	0.091 U	0.09 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-077	DA1SB-077	DA1SB-077	DA1SB-077	OD1gd-001	OD1gd-002
	Sample Number	DA1SB-077M-0201-SO	DA1SB-077M-0202-SO	DA1SB-077M-0203-SO	DA1SB-077M-0204-SO	OD1gd-001-0001-SO	OD1gd-002-0001-SO
	Sample Date	11/10/2010	11/10/2010	11/10/2010	11/10/2010	10/25/2000	10/27/2000
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	4 - 4 ft	4 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.1 U
1,3-Dinitrobenzene	mg/kg	0.079 U	0.08 U	0.08 U	0.079 U	0.1 U	0.1 U
2,4,6-Trinitrotoluene	mg/kg	0.089 U	0.09 U	0.091 U	0.089 U	0.1 U	0.1 U
2,4-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U
2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.069 U	0.2 U	0.2 U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05 U	0.05 U	0.05 U	0.049 U		
3,5-Dinitroaniline	mg/kg	0.089 U	0.09 U	0.091 U	0.089 U		
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.069 U		
HMX	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.25 U
m-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.069 U	0.2 U	0.2 U
Nitrobenzene	mg/kg	0.04 U	0.04 U	0.04 U	0.039 U	0.1 U	0.1 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg	0.5 U	0.5 U	0.5 U	0.49 U		
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.089 U	0.09 U	0.091 U	0.089 U	0.2 U	0.2 U
Petn	mg/kg	0.5 U	0.5 U	0.5 U	0.49 U		
p-Nitrotoluene	mg/kg	0.07 U	0.07 U	0.07 U	0.069 U	0.5 U	0.5 U
RDX	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.1 U	0.1 U
Tetryl	mg/kg	0.089 U	0.09 U	0.091 U	0.089 U	0.2 U	0.2 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	OD1gd-003	OD1gd-004	OD1gd-005	OD1gd-005	OD1gd-006	OD1gd-007
	Sample Number	OD1gd-003-0001-SO	OD1gd-004-0001-SO	OD1gd-005-0001-SO	OD1gd-005-0002-SO	OD1gd-006-0001-SO	OD1gd-007-0001-FD
	Sample Date	10/30/2000	10/30/2000	11/16/2000	11/16/2000	11/1/2000	7/18/2001
	Sample Purpose	REG	REG	REG	REG	REG	FD
	DEPTH	0 - 4 ft	4 - 4 ft	0 - 4 ft	0 - 8 ft	4 - 4 ft	4 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.1 U	0.098 U	0.099 U	0.1 U	0.099 U	0.017 U
1,3-Dinitrobenzene	mg/kg	0.1 U	0.098 U	0.099 U	0.1 U	0.099 U	0.018 U
2,4,6-Trinitrotoluene	mg/kg	0.1 U	0.098 U	0.099 U	0.1 U	0.099 U	0.034 U
2,4-Dinitrotoluene	mg/kg	0.1 U	0.098 U	0.099 U	0.1 U	0.099 U	0.035 U
2,6-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.047 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.25 U	0.24 U	0.25 U	0.25 U	0.25 U	0.11 U
m-Nitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.05 U
Nitrobenzene	mg/kg	0.1 U	0.098 U	0.099 U	0.1 U	0.099 U	0.022 U
Nitrocellulose	mg/kg			1 =	0.98 =		
Nitroglycerin	mg/kg			0.61 U	0.63 U		
Nitroguanidine	mg/kg			0.31 U	0.31 U		
o-Nitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.033 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.5 U	0.49 U	0.5 U	0.5 U	0.5 U	0.046 U
RDX	mg/kg	0.1 U	0.098 U	0.099 U	0.1 U	0.099 U	0.058 U
Tetryl	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.043 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		OD1gd-007	OD1gd-008	OD1gd-009	OD1gd-010	OD1gd-010	OD1gd-011
Sample Number		OD1gd-007-0001-SO	OD1gd-008-0001-SO	OD1gd-009-0001-SO	OD1gd-010-0001-FD	OD1gd-010-0001-SO	OD1gd-011-0001-SO
Sample Date		7/18/2001	7/10/2001	6/21/2001	6/28/2001	6/28/2001	6/13/2001
Sample Purpose		REG	REG	REG	FD	REG	REG
DEPTH		4 - 4 ft	4 - 4 ft	0 - 4 ft	4 - 4 ft	0 - 4 ft	4 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.018 U	0.017 U	0.098 U	0.1 U	0.098 U	0.098 U
1,3-Dinitrobenzene	mg/kg	0.018 U	0.018 U	0.098 U	0.1 U	0.098 U	0.098 U
2,4,6-Trinitrotoluene	mg/kg	0.034 U	0.033 U	0.098 U	0.1 U	0.098 U	0.098 U
2,4-Dinitrotoluene	mg/kg	0.036 U	0.035 U	0.098 U	0.1 U	0.098 U	0.098 U
2,6-Dinitrotoluene	mg/kg	0.048 U	0.047 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.11 U	0.11 U	0.24 U	0.25 U	0.24 U	0.25 U
m-Nitrotoluene	mg/kg	0.05 U	0.05 U	0.2 U	0.2 U	0.2 U	0.2 U
Nitrobenzene	mg/kg	0.022 U	0.022 U	0.098 U	0.1 U	0.098 U	0.098 U
Nitrocellulose	mg/kg				0.65 =	0.49 =	
Nitroglycerin	mg/kg				0.5 U	0.5 U	
Nitroguanidine	mg/kg				0.25 U	0.25 U	
o-Nitrotoluene	mg/kg	0.033 U	0.033 U	0.2 U	0.2 U	0.2 U	0.2 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.047 U	0.046 U	0.49 U	0.5 U	0.49 U	0.49 U
RDX	mg/kg	0.059 U	0.058 U	0.098 U	0.1 U	0.098 U	0.098 U
Tetryl	mg/kg	0.043 U	0.043 U	0.2 U	0.2 U	0.2 U	0.2 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**OD1gd-012**	**OD1gd-013**	**OD1gd-014**	**OD1gd-015**	**OD1gd-016**	**OD1gd-016**
	Sample Number	**OD1gd-012-0001-SO**	**OD1gd-013-0001-SO**	**OD1gd-014-0001-SO**	**OD1gd-015-0001-SO**	**OD1gd-016-0001-FD**	**OD1gd-016-0001-SO**
	Sample Date	**6/20/2001**	**11/20/2000**	**11/13/2000**	**11/30/2000**	**7/6/2001**	**7/6/2001**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**
	DEPTH	**4 - 4 ft**	**4 - 4 ft**	**0 - 4 ft**	**0 - 4 ft**	**4 - 4 ft**	**4 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives							
1,3,5-Trinitrobenzene	mg/kg	0.1 U	0.099 U	0.1 U	0.099 U	0.1 U	0.098 U
1,3-Dinitrobenzene	mg/kg	0.1 U	0.099 U	0.1 U	0.099 U	0.1 U	0.098 U
2,4,6-Trinitrotoluene	mg/kg	0.1 U	0.099 U	0.1 U	0.099 U	0.1 U	0.098 U
2,4-Dinitrotoluene	mg/kg	0.1 U	0.099 U	0.1 U	0.099 U	0.1 U	0.098 U
2,6-Dinitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Amino-4,6-Dinitrotoluene	mg/kg						
3,5-Dinitroaniline	mg/kg						
4-Amino-2,6-Dinitrotoluene	mg/kg						
HMX	mg/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
m-Nitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nitrobenzene	mg/kg	0.1 U	0.099 U	0.1 U	0.099 U	0.1 U	0.098 U
Nitrocellulose	mg/kg						
Nitroglycerin	mg/kg						
Nitroguanidine	mg/kg						
o-Nitrotoluene	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Petn	mg/kg						
p-Nitrotoluene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.49 U
RDX	mg/kg	0.1 U	0.099 U	0.1 U	0.099 U	0.1 U	0.098 U
Tetryl	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Explosives
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**OD1gd-017**	**OD1gd-018**	**OD1gd-019**	**OD1gd-020**	**OD1gd-021**
	Sample Number	**OD1gd-017-0001-SO**	**OD1gd-018-0001-SO**	**OD1gd-019-0001-SO**	**OD1gd-020-0001-SO**	**OD1gd-021-0001-SO**
	Sample Date	**12/11/2000**	**7/12/2001**	**12/11/2000**	**6/5/2001**	**7/23/2001**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**0 - 2 ft**	**2 - 2 ft**	**0 - 2 ft**	**2 - 2 ft**	**2 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Explosives						
1,3,5-Trinitrobenzene	mg/kg	0.1 U	0.017 U	0.1 U	0.1 U	0.017 U
1,3-Dinitrobenzene	mg/kg	0.1 U	0.018 U	0.1 U	0.1 U	0.018 U
2,4,6-Trinitrotoluene	mg/kg	0.1 U	0.033 U	0.1 U	0.1 U	0.18 =
2,4-Dinitrotoluene	mg/kg	0.1 U	0.035 U	0.1 U	0.1 U	0.035 U
2,6-Dinitrotoluene	mg/kg	0.2 U	0.047 U	0.2 U	0.2 U	0.047 U
2-Amino-4,6-Dinitrotoluene	mg/kg					
3,5-Dinitroaniline	mg/kg					
4-Amino-2,6-Dinitrotoluene	mg/kg					
HMX	mg/kg	0.25 U	0.11 U	0.25 U	0.25 U	0.11 U
m-Nitrotoluene	mg/kg	0.2 U	0.05 U	0.2 U	0.2 U	0.05 U
Nitrobenzene	mg/kg	0.1 U	0.022 U	0.1 U	0.1 U	0.022 U
Nitrocellulose	mg/kg					
Nitroglycerin	mg/kg					
Nitroguanidine	mg/kg					
o-Nitrotoluene	mg/kg	0.2 U	0.033 U	0.2 U	0.2 U	0.033 U
Petn	mg/kg					
p-Nitrotoluene	mg/kg	0.5 U	0.046 U	0.5 U	0.5 U	0.046 U
RDX	mg/kg	0.1 U	0.058 U	0.1 U	0.1 U	0.058 U
Tetryl	mg/kg	0.2 U	0.043 U	0.2 U	0.2 U	0.043 U

bgs denotes below ground surface
DA1 denotes Open Demolition Area #1
FD denotes field duplicate
ft denotes foot/feet
gd denotes grid
HMX denotes octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
J denotes estimated concentration
mg/kg denotes milligrams per kilogram
OD1 denotes Open Demolition Area #1
RDX denotes hexahydro-1,3,5-trinitro-1,3,5-triazine
SB denotes soil boring
so denotes subsurface soil
SO denotes soil
U denotes not detected
VQ denotes validation qualifier

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-001	DA1-002	DA1-003	DA1-007	DA1-007	DA1-010
	Sample Number	DA1so-001-0002-SO	DA1so-002-0004-SO	DA1so-003-0006-SO	DA1so-007-0014-SO	DA1ss-007-0135-SO	DA1so-010-0020-SO
	Sample Date	10/19/1999	10/19/1999	10/19/1999	10/20/1999	10/20/1999	10/20/1999
	Sample Purpose	REG	REG	REG	REG	FD	REG
	DEPTH	1 - 3 ft	1 - 3 ft	1 - 3 ft	1 - 3 ft	1 - 3 ft	1 - 3 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.59 U	0.58 U	0.56 U	0.6 U	0.6 U	0.62 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	15500 J	8520 J	7150 J	20100 =	17800 =	13700 =
Antimony	mg/kg	1.2 UJ	1.2 UJ	1.1 UJ	0.95 J	0.64 J	1 J
Arsenic	mg/kg	17 =	8.3 =	10.6 =	16.3 =	17.2 =	21.9 =
Barium	mg/kg	91 =	43.9 =	26.1 =	67.9 =	68.1 =	66 =
Beryllium	mg/kg	0.74 U	0.58 U	0.18 U	0.64 =	0.55 J	0.41 J
Cadmium	mg/kg	0.59 U	0.58 U	0.56 U	0.6 U	0.6 U	0.62 U
Calcium	mg/kg	1230 J	1590 J	1170 J	1910 J	11300 J	738 J
Chromium	mg/kg	21.9 =	11.7 =	10.1 =	26 =	22.8 =	18.9 =
Cobalt	mg/kg	12.5 =	4.5 J	6.4 =	17.1 =	11.2 =	6.7 =
Copper	mg/kg	23.2 J	9.2 J	13.3 J	25.7 =	24.3 =	23.2 =
Iron	mg/kg	33100 =	18000 =	19700 =	32200 J	36400 =	26000 =
Lead	mg/kg	14.2 =	10.6 =	10.5 =	17.1 =	15.4 =	15.2 =
Magnesium	mg/kg	4280 =	1520 =	1590 =	4220 =	3780 =	2190 =
Manganese	mg/kg	255 J	103 J	278 J	331 =	269 =	191 =
Mercury	mg/kg	0.023 J	0.037 J	0.024 J	0.023 J	0.04 J	0.035 J
Nickel	mg/kg	29.8 J	12.1 J	11.4 J	33.1 =	29.6 =	18.4 =
Potassium	mg/kg	2030 =	661 =	629 =	1810 =	1550 =	877 =
Selenium	mg/kg	0.59 U	0.58 U	0.56 U	0.73 =	0.8 =	1 =
Silver	mg/kg	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	592 UJ	582 UJ	563 UJ	105 U	83.3 U	53.8 U
Thallium	mg/kg	0.36 J	0.44 J	0.27 J	0.37 J	0.4 J	0.43 J
Vanadium	mg/kg	24.3 =	15.6 =	13.9 =	28.9 =	26.3 =	25.1 =
Zinc	mg/kg	70.7 J	36.3 J	35.6 J	77.5 =	71.2 =	45.6 =

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-012	DA1-012	DA1-013	DA1-013	DA1-014	DA1-014
	Sample Number	DA1so-012-0024-SO	DA1so-012-0025-SO	DA1so-013-0027-SO	DA1so-013-0028-SO	DA1so-014-0030-SO	DA1so-014-0031-SO
	Sample Date	10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.59 U	0.61 U	0.6 U	0.59 U	0.59 U	0.6 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	12800 =	11600 =	18700 =	19700 =	14600 =	15300 =
Antimony	mg/kg	1.2 UJ	1.2 UJ	0.77 J	0.54 J	0.78 J	0.96 J
Arsenic	mg/kg	17.7 =	14.1 =	15.7 =	13.4 =	15.9 =	15.3 =
Barium	mg/kg	64 =	80.7 =	75.3 =	179 =	85.8 =	90.9 =
Beryllium	mg/kg	0.49 J	0.52 J	0.38 J	0.76 =	0.38 J	0.5 J
Cadmium	mg/kg	0.59 U	0.61 U	0.6 U	0.59 U	0.59 U	0.6 U
Calcium	mg/kg	732 =	1460 =	1680 J	2000 J	1350 J	2470 J
Chromium	mg/kg	18.7 =	18.1 =	22 =	24.9 =	19.5 =	22 =
Cobalt	mg/kg	9.1 =	14 =	7.9 =	13.5 =	11.1 =	13.5 =
Copper	mg/kg	21.8 J	21.7 J	17.3 =	20.9 =	23.5 =	22.8 =
Iron	mg/kg	34500 =	27600 =	27800 J	34300 =	28400 =	31100 =
Lead	mg/kg	15.7 =	12.4 =	15.6 =	11.9 =	15.2 =	13.9 =
Magnesium	mg/kg	3000 =	3580 =	2860 =	4270 =	3240 =	4360 =
Manganese	mg/kg	509 =	380 =	295 =	283 =	363 =	450 =
Mercury	mg/kg	0.031 U	0.03 U	0.041 J	0.036 J	0.035 J	0.015 J
Nickel	mg/kg	23.3 =	31.4 =	18.4 =	33 =	26.4 =	34.3 =
Potassium	mg/kg	1300 =	1610 =	1210 =	2210 =	1540 =	2220 =
Selenium	mg/kg	0.59 U	0.61 U	1 =	0.48 J	0.71 =	0.66 =
Silver	mg/kg	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	59.4 U	53.7 U	111 U	154 U	137 U	126 U
Thallium	mg/kg	0.38 J	0.36 J	0.35 J	0.48 J	0.4 J	0.38 J
Vanadium	mg/kg	22.2 =	18.6 =	32 =	26.4 =	23.6 =	24 =
Zinc	mg/kg	59.2 J	64.3 J	54.4 =	70.2 =	58.9 =	70.5 =

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
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	Location Code	DA1-015	DA1-015	DA1-016	DA1-016	DA1-016	DA1-017
	Sample Number	DA1so-015-0033-SO	DA1so-015-0034-SO	DA1so-016-0037-SO	DA1so-016-0038-SO	DA1ss-016-0132-SO	DA1so-017-0040-SO
	Sample Date	10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999
	Sample Purpose	REG	REG	REG	REG	FD	REG
	DEPTH	1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	1 - 3 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.58 U	0.59 U	0.59 U	0.6 U	0.25 U	0.6 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	14000 =	17000 =	12700 =	8430 =	12300 =	10700 =
Antimony	mg/kg	0.79 J	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	mg/kg	17 =	18 =	17 =	14.3 =	15.2 =	15.1 =
Barium	mg/kg	42.3 =	78.3 =	74.4 =	64.5 =	71.7 =	43.5 =
Beryllium	mg/kg	0.36 J	0.62 =	0.57 J	0.34 J	0.56 J	0.34 J
Cadmium	mg/kg	0.58 U	0.59 U	0.59 U	0.6 U	0.59 U	0.6 U
Calcium	mg/kg	569 J	1640 J	877 =	1040 =	619 =	784 =
Chromium	mg/kg	19.1 =	22.2 =	19.4 =	13.2 =	18.1 =	15.7 =
Cobalt	mg/kg	10.4 =	14.1 =	11 =	9.4 =	14.2 =	12.9 =
Copper	mg/kg	24 =	26.3 =	20.9 J	20.1 J	21.5 J	20.3 J
Iron	mg/kg	32400 =	28100 =	31200 =	24000 =	29400 =	27100 =
Lead	mg/kg	14.5 =	15.1 =	13.4 =	11.9 =	13.9 =	13.6 =
Magnesium	mg/kg	3200 =	4020 =	3850 =	2790 =	3790 =	3070 =
Manganese	mg/kg	199 =	416 =	226 =	334 =	262 =	293 =
Mercury	mg/kg	0.034 J	0.021 J	0.021 U	0.0078 U	0.026 U	0.054 J
Nickel	mg/kg	24.1 =	30.8 =	28.3 =	24.6 =	29.1 =	22.1 =
Potassium	mg/kg	936 =	2390 =	1290 =	1010 =	1410 =	871 =
Selenium	mg/kg	0.86 =	0.46 =	0.59 U	0.6 U	0.59 U	0.6 U
Silver	mg/kg	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	83.3 U	134 U	70.8 U	63.1 U	54.5 U	57 U
Thallium	mg/kg	0.37 J	0.41 J	0.34 J	0.31 J	0.43 J	0.36 J
Vanadium	mg/kg	21 =	25.9 =	21.1 =	13.9 =	19.8 =	16.5 =
Zinc	mg/kg	59.4 =	70.4 =	65.4 J	56.8 J	68.2 J	53.8 J

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Analytical Results
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	Location Code	**DA1-017**	**DA1-018**	**DA1-018**	**DA1-018**	**DA1-018**	**DA1-019**
	Sample Number	**DA1so-017-0041-SO**	**DA1so-018-0043-SO**	**DA1so-018-0044-SO**	**DA1so-018-0160-SO**	**DA1ss-018-0131-SO**	**DA1so-019-0046-SO**
	Sample Date	**10/21/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**
	DEPTH	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**6 - 8 ft**	**1 - 3 ft**	**1 - 3 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.63 U	0.61 U	0.62 U	0.62 U	0.62 U	0.62 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	11300 =	12600 J	10700 J	7850 J	12500 J	16300 J
Antimony	mg/kg	1.3 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	mg/kg	15.1 =	17.5 =	16.3 =	16.6 =	13.1 =	21.1 =
Barium	mg/kg	69.7 =	77.5 J	52.9 J	55.9 J	79.9 J	59.7 J
Beryllium	mg/kg	0.46 J	0.66 U	0.42 U	0.35 U	0.6 U	0.62 U
Cadmium	mg/kg	0.63 U	0.61 UJ	0.62 UJ	0.62 UJ	0.62 UJ	0.62 UJ
Calcium	mg/kg	1970 =	1040 =	1450 =	7450 =	1000 =	595 J
Chromium	mg/kg	17.2 =	18.8 =	17 =	13.4 =	18.3 =	22.4 =
Cobalt	mg/kg	8.8 =	11.8 =	10.5 =	10.9 =	10.4 =	10.9 =
Copper	mg/kg	20.6 J	22.1 J	21.2 J	22 J	20.4 J	28 J
Iron	mg/kg	27300 =	32400 J	28900 J	26200 J	27700 J	38600 J
Lead	mg/kg	11.8 =	15.4 =	13.9 =	14.1 =	11.5 =	17.5 =
Magnesium	mg/kg	3530 =	3660 J	3330 J	4760 J	3680 J	3890 J
Manganese	mg/kg	282 =	307 J	390 J	463 J	226 J	265 J
Mercury	mg/kg	0.018 U	0.014 J	0.0066 J	0.12 U	0.0085 J	0.038 J
Nickel	mg/kg	25.3 =	27.1 =	26.1 =	25.6 =	27.1 =	27.7 =
Potassium	mg/kg	1460 =	1270 =	1400 =	1090 =	1400 =	1180 =
Selenium	mg/kg	0.63 U	0.61 U	0.62 U	0.62 U	0.62 U	0.62 U
Silver	mg/kg	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	55.8 U	87.2 U	48.9 U	87.8 U	60.2 U	50.5 U
Thallium	mg/kg	0.34 J	0.34 J	0.3 J	0.44 J	0.35 J	0.36 J
Vanadium	mg/kg	18.7 =	19.1 =	17.7 =	13.6 =	17.9 =	23.9 =
Zinc	mg/kg	60.8 J	66.2 =	63.7 =	66.4 =	63.9 =	72.3 =

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Analytical Results
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	Location Code	**DA1-019**	**DA1-019**	**DA1-020**	**DA1-020**	**DA1-020**	**DA1-021**
	Sample Number	**DA1so-019-0047-SO**	**DA1so-019-0161-SO**	**DA1so-020-0049-SO**	**DA1so-020-0050-SO**	**DA1so-020-0162-SO**	**DA1so-021-0052-SO**
	Sample Date	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/22/1999**	**10/24/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**3 - 5 ft**	**6 - 8 ft**	**1 - 3 ft**	**3 - 5 ft**	**6 - 8 ft**	**1 - 3 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.62 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	9130 J	13800 J	18300 J	13300 J	16900 J	13800 =
Antimony	mg/kg	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	mg/kg	16 =	17.8 =	20.2 =	14.8 =	13.1 =	14.3 =
Barium	mg/kg	52.2 J	65.2 J	108 J	69.7 J	104 J	70.1 =
Beryllium	mg/kg	0.39 U	0.59 U	0.79 U	0.51 U	0.63 U	0.56 U
Cadmium	mg/kg	0.62 UJ	0.61 UJ	0.61 UJ	0.61 UJ	0.61 UJ	0.61 UJ
Calcium	mg/kg	1180 =	21600 =	3570 =	22400 =	33600 =	1050 =
Chromium	mg/kg	14.1 =	20.7 =	27.8 =	20.5 =	25.2 =	17.5 J
Cobalt	mg/kg	9.6 =	12.5 =	16.4 =	11.4 =	13.2 =	9.7 =
Copper	mg/kg	19.6 J	18.7 J	27.9 J	19.7 J	22.7 J	20.6 J
Iron	mg/kg	26000 J	32600 J	41000 J	29600 J	32500 J	28200 =
Lead	mg/kg	13.4 =	13.1 =	17.9 =	12.6 =	13.9 =	12.8 J
Magnesium	mg/kg	2810 J	5920 J	6260 J	7290 J	9170 J	3240 J
Manganese	mg/kg	396 J	370 J	517 J	307 J	431 J	239 =
Mercury	mg/kg	0.12 U	0.025 J	0.029 J	0.015 J	0.014 J	0.031 J
Nickel	mg/kg	22.7 =	31 =	43 =	29.9 =	35 =	25 =
Potassium	mg/kg	1120 =	2930 =	2800 =	2780 =	3820 =	1160 =
Selenium	mg/kg	0.62 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Silver	mg/kg	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	40.5 U	121 U	58.6 U	98.4 U	169 U	72.1 U
Thallium	mg/kg	0.3 J	0.3 J	0.34 J	0.33 J	0.34 J	0.27 J
Vanadium	mg/kg	15.3 =	21.7 =	27.2 =	20.7 =	25.8 =	18.7 =
Zinc	mg/kg	56.6 =	66.1 =	93.2 =	68.9 =	80.1 =	61 J

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	Location Code	**DA1-021**	**DA1-021**	**DA1-022**	**DA1-022**	**DA1-023**	**DA1-023**
	Sample Number	**DA1so-021-0053-SO**	**DA1so-021-0163-SO**	**DA1so-022-0055-SO**	**DA1so-022-0056-SO**	**DA1so-023-0058-SO**	**DA1so-023-0059-SO**
	Sample Date	**10/24/1999**	**10/24/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**3 - 5 ft**	**6 - 8 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.62 U	0.63 U	0.59 U	0.59 U	0.6 U	0.61 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	12900 =	13500 =	14500 =	13500 =	17600 =	14100 =
Antimony	mg/kg	1.2 UJ	1.3 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	mg/kg	15.4 =	18.8 =	13.7 =	12.8 =	14.3 =	15.1 =
Barium	mg/kg	68.4 =	79.7 =	86.2 =	70.5 =	77.6 =	89.4 =
Beryllium	mg/kg	0.55 U	0.57 U	0.59 U	0.58 U	0.73 U	0.64 U
Cadmium	mg/kg	0.62 UJ	0.63 UJ	0.59 UJ	0.59 UJ	0.6 UJ	0.61 UJ
Calcium	mg/kg	1950 =	19000 =	1630 J	6160 J	826 J	2340 J
Chromium	mg/kg	17.1 J	18.8 J	20.6 =	19.5 =	22.7 =	20.8 =
Cobalt	mg/kg	11 =	17.5 =	7.8 =	10.5 =	11.9 =	11.2 =
Copper	mg/kg	20.8 J	20.4 J	19.6 J	18.1 J	87.3 J	33.8 J
Iron	mg/kg	28400 =	30700 =	29100 =	26600 =	31500 =	30300 =
Lead	mg/kg	13.7 J	14.1 J	11.3 =	11.4 =	16.6 =	14.3 =
Magnesium	mg/kg	3700 J	6310 J	3890 =	4470 =	4170 =	4470 =
Manganese	mg/kg	424 =	532 =	199 J	340 J	251 J	315 J
Mercury	mg/kg	0.017 J	0.13 U	0.038 J	0.014 J	0.029 J	0.018 J
Nickel	mg/kg	28.2 =	31.2 =	28.1 J	29 J	28.3 J	31.1 J
Potassium	mg/kg	1680 =	2770 =	1820 =	2880 =	2620 =	2630 =
Selenium	mg/kg	0.62 U	0.63 U	0.59 U	0.59 U	0.6 U	0.61 U
Silver	mg/kg	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	100 U	114 U	36.3 U	51.5 U	47 U	44.8 U
Thallium	mg/kg	0.3 J	0.29 J	0.54 UJ	0.46 UJ	0.54 UJ	0.45 UJ
Vanadium	mg/kg	18.9 =	20.5 =	22.6 =	21.9 =	26.9 =	23.4 =
Zinc	mg/kg	65.7 J	71.1 J	61.1 J	61.2 J	167 J	88.2 J

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Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
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	Location Code	**DA1-024**	**DA1-024**	**DA1-025**	**DA1-025**	**DA1-026**	**DA1-026**
	Sample Number	**DA1so-024-0061-SO**	**DA1so-024-0062-SO**	**DA1so-025-0064-SO**	**DA1so-025-0065-SO**	**DA1so-026-0067-SO**	**DA1so-026-0068-SO**
	Sample Date	**10/25/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**	**10/25/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.64 U	0.61 U	0.58 U	0.61 U	0.61 U	0.62 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	15500 =	9840 =	12100 =	13700 =	13900 J	15000 J
Antimony	mg/kg	1.3 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 R	1.2 R
Arsenic	mg/kg	14.7 =	13.9 =	13 =	15 =	15.8 J	16.7 J
Barium	mg/kg	91.7 =	59.1 =	60 =	108 =	67.4 =	89.4 =
Beryllium	mg/kg	0.66 U	0.45 U	0.55 U	0.76 U	0.43 U	0.55 U
Cadmium	mg/kg	0.64 UJ	0.61 UJ	0.58 UJ	0.61 UJ	0.61 UJ	0.62 UJ
Calcium	mg/kg	569 J	1710 J	773 J	1890 J	965 J	2660 J
Chromium	mg/kg	19.8 =	15.7 =	17.1 =	20.7 =	20 J	22.6 J
Cobalt	mg/kg	8.8 =	10.1 =	10.6 =	14.3 =	10.1 J	13.4 J
Copper	mg/kg	30.2 J	20.9 J	18 J	21.2 J	23.9 J	24.1 J
Iron	mg/kg	27300 =	26700 =	26300 =	30800 =	31400 J	35200 J
Lead	mg/kg	13.3 =	12.4 =	12.4 =	13.4 =	15 =	14.5 =
Magnesium	mg/kg	3360 =	3440 =	3160 =	4420 =	3780 J	5460 J
Manganese	mg/kg	196 J	358 J	272 J	414 J	188 J	359 J
Mercury	mg/kg	0.038 J	0.019 J	0.29 =	0.012 J	0.0076 J	0.022 J
Nickel	mg/kg	22.5 J	27.6 J	22.8 J	36.6 J	26.3 J	36.3 J
Potassium	mg/kg	2430 =	1380 =	1380 =	2080 =	1250 J	2230 J
Selenium	mg/kg	0.64 U	0.61 U	0.58 U	0.61 U	1 =	0.85 =
Silver	mg/kg	1.3 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ
Sodium	mg/kg	642 U	62.8 U	34 U	46 U	608 UJ	616 UJ
Thallium	mg/kg	0.62 UJ	0.4 UJ	0.57 UJ	0.49 UJ	0.52 UJ	0.44 UJ
Vanadium	mg/kg	24.9 =	16.6 =	20.2 =	22.4 =	22.8 J	24.4 J
Zinc	mg/kg	66.3 J	79.6 J	55.7 J	71.3 J	68.8 J	74 J

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Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
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Location Code		DA1-027	DA1-027	DA1-028	DA1-028	DA1-029	DA1-030
Sample Number		DA1so-027-0070-SO	DA1so-027-0071-SO	DA1so-028-0074-SO	DA1so-028-0075-SO	DA1so-029-0077-SO	DA1so-030-0080-SO
Sample Date		10/20/1999	10/20/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999
Sample Purpose		REG	REG	REG	REG	REG	REG
DEPTH		1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	1 - 3 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.59 U	0.59 U	0.6 U	0.61 U	0.67 U	0.6 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	14600 =	28600 =	14100 J	12500 J	17900 =	14400 =
Antimony	mg/kg	0.75 J	1.3 J	1.2 R	1.2 R	1.2 J	1.2 R
Arsenic	mg/kg	16.2 =	20.9 =	16.6 J	17.3 J	12.7 J	14.7 J
Barium	mg/kg	75 =	107 =	99.5 =	79 =	155 J	78 J
Beryllium	mg/kg	0.49 J	0.79 =	0.65 U	0.39 U	0.92 U	0.55 U
Cadmium	mg/kg	0.59 U	0.59 U	0.6 UJ	0.61 UJ	110 J	0.6 UJ
Calcium	mg/kg	1310 J	28200 J	1510 J	11200 J	18300 =	15000 =
Chromium	mg/kg	19.2 =	34.7 =	20 J	19.9 J	22 J	22.2 J
Cobalt	mg/kg	20.5 =	17.6 =	13.2 J	12.9 J	9.3 J	12.5 J
Copper	mg/kg	39.2 =	35.3 =	23 J	24.2 J	597 J	21.3 J
Iron	mg/kg	44300 J	31900 J	31600 J	32300 J	49200 J	31300 J
Lead	mg/kg	16.5 =	19.4 =	12.5 =	13.8 =	401 =	13.1 =
Magnesium	mg/kg	3770 =	9120 =	3840 J	5200 J	5430 J	5740 J
Manganese	mg/kg	416 =	472 =	284 J	428 J	842 J	337 J
Mercury	mg/kg	0.015 J	0.0096 J	0.024 J	0.018 J	0.052 J	0.016 J
Nickel	mg/kg	31.3 =	44.2 =	29.4 J	34 J	36.1 J	31.6 J
Potassium	mg/kg	1240 =	4430 =	1740 J	1810 J	2160 J	2860 J
Selenium	mg/kg	0.54 J	0.59 U	1.2 =	0.87 =	0.67 U	0.6 U
Silver	mg/kg	1.2 U	1.2 U	1.2 UJ	1.2 UJ	0.48 J	1.2 UJ
Sodium	mg/kg	93 U	182 U	602 UJ	609 UJ	669 J	603 UJ
Thallium	mg/kg	0.45 J	0.45 J	0.4 UJ	0.41 UJ	0.41 J	0.42 J
Vanadium	mg/kg	19.9 =	39.9 =	23.5 J	20.7 J	17.4 =	24.3 =
Zinc	mg/kg	82.4 =	97 =	67.2 J	74.8 J	2830 =	67.7 =

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Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
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	Location Code	**DA1-031**	**DA1-031**	**DA1-032**	**DA1-032**	**DA1-033**	**DA1-033**
	Sample Number	**DA1so-031-0083-SO**	**DA1so-031-0084-SO**	**DA1so-032-0086-SO**	**DA1so-032-0087-SO**	**DA1so-033-0089-SO**	**DA1so-033-0090-SO**
	Sample Date	**10/26/1999**	**10/26/1999**	**10/27/1999**	**10/27/1999**	**10/27/1999**	**10/27/1999**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.59 U	0.61 U	0.56 U	0.59 U	0.59 U	0.64 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	13300 =	11600 =	10400 =	14200 =	10500 =	9530 =
Antimony	mg/kg	1.2 R	1.2 R	1.1 U	1.2 R	1.2 R	1.3 R
Arsenic	mg/kg	15.8 J	13.5 J	11.6 J	15.2 R	12.7 J	12.2 J
Barium	mg/kg	71.8 J	90.4 J	35.8 J	107 J	68.9 J	56.9 J
Beryllium	mg/kg	0.56 U	0.43 U	0.28 U	0.72 U	0.44 U	0.41 U
Cadmium	mg/kg	0.59 UJ	0.61 UJ	0.56 UJ	0.59 UJ	0.59 UJ	0.64 UJ
Calcium	mg/kg	1000 =	17200 =	689 =	3290 =	1380 =	3780 =
Chromium	mg/kg	18.7 J	19.5 J	13.2 J	21.6 J	15.3 J	14.9 J
Cobalt	mg/kg	12.4 J	12 J	7.6 J	14 J	10.5 J	9.6 J
Copper	mg/kg	47.3 J	25 J	17.3 J	22.5 J	18.9 J	18.7 J
Iron	mg/kg	29900 J	28200 J	21200 J	31900 J	24200 J	23400 J
Lead	mg/kg	16.1 =	12.8 =	11.5 =	13.5 =	11.6 =	11.4 =
Magnesium	mg/kg	3040 J	4710 J	1980 J	4640 J	2860 J	3110 J
Manganese	mg/kg	324 J	441 J	237 J	435 J	320 J	469 J
Mercury	mg/kg	0.032 J	0.015 J	0.11 U	0.12 U	0.028 J	0.014 J
Nickel	mg/kg	25.7 J	34.8 J	14.1 J	39.2 J	23.5 J	23.1 J
Potassium	mg/kg	1490 J	1560 J	927 J	1890 J	1440 J	1720 J
Selenium	mg/kg	0.59 U	0.61 U	0.56 U	0.59 U	0.59 U	0.64 U
Silver	mg/kg	1.2 UJ	1.2 UJ	1.1 UJ	1.2 UJ	1.2 UJ	1.3 UJ
Sodium	mg/kg	593 UJ	610 UJ	559 UJ	594 UJ	591 UJ	644 UJ
Thallium	mg/kg	0.4 J	0.42 J	0.39 J	0.49 J	0.34 J	0.37 J
Vanadium	mg/kg	22.1 =	19.6 =	18.8 =	22.7 =	17.7 =	17.1 =
Zinc	mg/kg	125 =	82.9 =	48.5 =	74.6 =	58.1 =	57.7 =

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-034	DA1-034	DA1-035	DA1-035	DA1-036	DA1-036
Sample Number		DA1so-034-0092-SO	DA1so-034-0093-SO	DA1so-035-0095-SO	DA1so-035-0096-SO	DA1so-036-0098-SO	DA1so-036-0099-SO
Sample Date		10/27/1999	10/27/1999	11/1/1999	11/1/1999	11/2/1999	11/2/1999
Sample Purpose		REG	REG	REG	REG	REG	REG
DEPTH		1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.6 U	0.62 U	0.58 U	0.62 U	0.61 U	0.59 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	9730 =	6370 =	7140 =	12400 =	14000 =	8720 =
Antimony	mg/kg	1.2 R	1.2 R	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	mg/kg	17.9 J	13.7 J	12.2 =	12.5 =	15.1 =	9.1 =
Barium	mg/kg	62.1 J	35.1 J	38.7 =	74.9 =	103 =	54.2 =
Beryllium	mg/kg	0.41 U	0.27 U	0.29 J	0.36 J	0.8 =	0.33 J
Cadmium	mg/kg	0.6 UJ	0.62 UJ	0.58 U	0.62 U	0.61 U	0.59 U
Calcium	mg/kg	1490 =	1670 =	1120 =	9830 =	4120 =	2180 =
Chromium	mg/kg	15.6 J	10.8 J	10.2 =	19.2 =	20.8 =	14 =
Cobalt	mg/kg	8.8 J	7.1 J	7.5 =	11.2 =	16.5 =	8.1 =
Copper	mg/kg	22.8 J	18.9 J	16.7 =	19.4 =	22.5 =	14.7 =
Iron	mg/kg	27700 J	21800 J	20000 =	27200 =	31700 =	19800 =
Lead	mg/kg	13.4 =	11.2 =	9.5 J	12.8 J	13.9 J	8.7 J
Magnesium	mg/kg	3050 J	2340 J	1870 =	4530 =	4360 =	2660 =
Manganese	mg/kg	302 J	247 J	282 =	320 =	422 =	277 =
Mercury	mg/kg	0.037 J	0.12 U	0.024 U	0.026 U	0.033 U	0.023 U
Nickel	mg/kg	25.4 J	19.8 J	16 J	28.6 J	37.7 J	19.1 J
Potassium	mg/kg	1280 J	871 J	1060 =	2090 =	1450 =	1230 =
Selenium	mg/kg	0.6 U	0.62 U	0.63 U	0.62 U	0.61 U	0.45 U
Silver	mg/kg	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	596 UJ	625 UJ	70.8 U	109 U	66.1 U	67.8 U
Thallium	mg/kg	0.38 J	0.37 J	0.27 J	0.39 J	0.39 J	0.34 J
Vanadium	mg/kg	17.2 =	11.6 =	13.4 =	19.3 =	22.5 =	14.3 =
Zinc	mg/kg	59.4 =	51.2 =	45.8 =	69.6 =	74.9 =	47.1 =

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-037	DA1-037	DA1-038	DA1-038	DA1-038	DA1-038
Sample Number		DA1so-037-0101-SO	DA1so-037-0102-SO	DA1so-038-0104-SO	DA1so-038-0105-SO	DA1ss-038-0133-SO	DA1ss-038-0134-SO
Sample Date		11/2/1999	11/2/1999	11/2/1999	11/2/1999	11/2/1999	11/2/1999
Sample Purpose		REG	REG	REG	REG	FD	FD
DEPTH		1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.55 U	0.54 U	0.57 U	0.59 U	0.58 U	0.6 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	8740 =	8070 =	10400 =	6280 =	8870 =	6370 =
Antimony	mg/kg	1.1 UJ	1.1 UJ	1.1 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	mg/kg	9.5 =	12.7 =	13.6 =	14.7 =	10.8 =	14.2 =
Barium	mg/kg	43.3 =	172 =	81 =	42.2 =	60.9 =	38.7 =
Beryllium	mg/kg	0.3 J	0.38 J	0.36 J	0.2 U	0.28 J	0.2 U
Cadmium	mg/kg	0.55 U	0.27 J	0.57 U	0.59 U	0.58 U	0.6 U
Calcium	mg/kg	741 =	1290 =	2130 =	1960 =	1490 =	1930 =
Chromium	mg/kg	10.2 =	11 =	17.5 =	10.4 =	12.8 =	10.7 =
Cobalt	mg/kg	7.3 =	16 =	12.1 =	8.7 =	8.6 =	7.6 =
Copper	mg/kg	11 =	22 =	20.2 =	21.7 =	14.7 =	21 =
Iron	mg/kg	19900 =	23400 =	26900 =	22000 =	20900 =	21700 =
Lead	mg/kg	11.6 J	14 J	13.1 J	12.1 J	10.2 J	11.6 J
Magnesium	mg/kg	1450 =	1910 =	3510 =	2330 =	2520 =	2220 =
Manganese	mg/kg	341 =	2180 =	519 =	349 =	483 =	327 =
Mercury	mg/kg	0.028 U	0.02 U	0.03 U	0.01 U	0.036 U	0.012 U
Nickel	mg/kg	14.1 J	55.9 J	31.6 J	19.6 J	19.2 J	18.1 J
Potassium	mg/kg	506 J	958 =	1040 =	893 =	928 =	984 =
Selenium	mg/kg	0.49 U	0.46 U	0.57 U	0.59 U	0.63 U	0.6 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
Sodium	mg/kg	49.7 U	63.3 U	51.6 U	67.2 U	49.7 U	73.6 U
Thallium	mg/kg	0.36 J	0.35 J	0.32 J	0.33 J	0.36 J	0.36 J
Vanadium	mg/kg	16.5 =	17.1 =	19.1 =	11.8 =	16.5 =	12.8 =
Zinc	mg/kg	41.9 =	56.1 =	57 =	56.7 =	43.3 =	57.1 =

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-039	DA1-039	DA1-040	DA1-041	DA1-041	DA1-041
	Sample Number	DA1so-039-0107-SO	DA1so-039-0108-SO	DA1so-040-0110-SO	DA1so-041-0112-SO	DA1so-041-0113-SO	DA1so-041-0164-SO
	Sample Date	11/2/1999	11/2/1999	11/3/1999	11/3/1999	11/3/1999	11/3/1999
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 3 ft	3 - 5 ft	1 - 3 ft	1 - 3 ft	3 - 5 ft	6 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.59 U	0.58 U	0.65 U	0.6 U	0.61 U	0.64 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	12300 =	10300 =	13300 =	15700 =	11600 =	10500 =
Antimony	mg/kg	1.2 UJ	1.2 UJ	1.3 UJ	1.2 UJ	1.2 UJ	1.3 UJ
Arsenic	mg/kg	11.7 =	11.3 =	15 =	15.8 =	17.7 =	14.1 =
Barium	mg/kg	59.3 =	65 =	85.3 =	54.6 =	57.4 =	61.2 =
Beryllium	mg/kg	0.35 J	0.42 J	0.53 J	0.4 J	0.51 J	0.34 U
Cadmium	mg/kg	0.59 U	0.58 U	0.65 U	0.6 U	0.61 U	0.64 U
Calcium	mg/kg	989 =	11200 =	35700 =	532 U	734 U	2170 =
Chromium	mg/kg	16.8 =	15.8 =	19.7 =	20 =	17.1 =	16.6 =
Cobalt	mg/kg	7.8 =	9.4 =	12.2 =	9.9 =	9.8 =	9.3 =
Copper	mg/kg	14.4 =	18.6 =	21.8 J	19 J	23.5 J	20.6 J
Iron	mg/kg	25100 =	24800 =	29700 =	30700 =	30000 =	26900 =
Lead	mg/kg	11.5 J	10.8 J	13.1 =	14.5 =	13.3 =	12.1 =
Magnesium	mg/kg	2690 =	3700 =	5540 =	3280 =	3100 =	3610 =
Manganese	mg/kg	213 =	336 =	397 =	209 =	228 =	256 =
Mercury	mg/kg	0.02 U	0.019 U	0.031 U	0.042 U	0.04 U	0.037 U
Nickel	mg/kg	20.2 J	24.7 J	29.9 =	22.4 =	22.6 =	24.9 =
Potassium	mg/kg	1250 =	1620 =	1920 =	1480 =	1260 =	1530 =
Selenium	mg/kg	0.59 U	0.58 U	0.65 U	0.9 =	0.51 J	0.64 U
Silver	mg/kg	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.3 U
Sodium	mg/kg	56.9 U	80.2 U	118 U	79.9 U	88.3 U	92.1 U
Thallium	mg/kg	0.35 J	0.38 J	0.36 J	0.31 J	0.27 J	0.24 J
Vanadium	mg/kg	22.1 =	17.8 =	21.9 =	26 =	19.9 =	17.5 =
Zinc	mg/kg	47.1 =	57.9 =	68.5 J	52.8 J	60.4 J	64.4 J

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-042	DA1-042	DA1-042	DA1SB-055	DA1SB-055	DA1SB-055
	Sample Number	DA1so-042-0115-SO	DA1so-042-0116-SO	DA1so-042-0165-SO	DA1SB-055M-0001-SO	DA1SB-055M-0002-SO	DA1SB-055M-0003-SO
	Sample Date	11/3/1999	11/3/1999	11/3/1999	9/22/2010	9/22/2010	9/22/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 3 ft	3 - 5 ft	6 - 8 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.6 U	0.59 U	0.62 U			
Hexavalent Chromium	mg/kg						
Total Solids	Percent				98.8	98.3	98.5
Metals							
Aluminum	mg/kg	15100 =	12600 =	14800 =	14400	12100	13300
Antimony	mg/kg	1.2 UJ	1.2 UJ	1.2 UJ	0.16 U	0.16 U	0.41 U
Arsenic	mg/kg	15 =	15.7 =	14.5 =	4.6	1.2	11
Barium	mg/kg	65.1 =	118 =	73.7 =	73.4	58	73.5
Beryllium	mg/kg	0.4 J	0.53 J	0.53 J	0.53	0.44	0.46
Cadmium	mg/kg	0.6 U	0.59 U	0.62 U	0.012 U	0.012 U	0.03 U
Calcium	mg/kg	1220 =	2010 =	15200 =	18700 J	28700	36000
Chromium	mg/kg	19.3 =	19.6 =	21.7 =	31.6	15.2	33.2
Cobalt	mg/kg	15.4 =	15.3 =	12.5 =	10.8	8.8	12.9
Copper	mg/kg	19.7 J	23.1 J	22.4 J	19.1	12.8	18.8
Iron	mg/kg	30800 =	32100 U	31500 =	36300	26700	31000
Lead	mg/kg	14.3 =	14.1 =	13.5 =	21	4.4	11.3
Magnesium	mg/kg	3400 =	4440 =	5420 =	6120	6410	8930
Manganese	mg/kg	274 =	414 =	329 =	387	320	492
Mercury	mg/kg	0.041 U	0.03 U	0.043 U	0.012	0.011	0.0091
Nickel	mg/kg	23.7 =	39.2 =	30.9 =	26.3	19.4	27.9
Potassium	mg/kg	1430 =	1490 =	2980 =	1470	2160	1610
Selenium	mg/kg	0.75 =	0.47 J	0.62 U	0.32 U	0.2 U	0.36 U
Silver	mg/kg	1.2 U	1.2 U	1.2 U	0.034 U	0.035 U	0.086 U
Sodium	mg/kg	66.2 U	62.7 U	114 U	61.2	82.4	68.3
Thallium	mg/kg	0.38 J	0.33 J	0.37 J	2.1	1.7	2.1
Vanadium	mg/kg	25.7 =	20.9 =	24.5 =	19.4	14.4	18.9
Zinc	mg/kg	76.6 J	79.6 J	74.3 J	55.2	40.5	63.3

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-056	DA1SB-056	DA1SB-056	DA1SB-056	DA1SB-057	DA1SB-057
	Sample Number	DA1SB-056M-0001-SO	DA1SB-056M-0002-SO	DA1SB-056M-0003-SO	DA1SB-056M-0004-SO	DA1SB-057M-0201-SO	DA1SB-057M-0202-SO
	Sample Date	9/22/2010	9/22/2010	9/22/2010	9/22/2010	9/23/2010	9/23/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent	98.1	98.9	98.5	98.8	97.7	98.4
Metals							
Aluminum	mg/kg	23600	14200	8480	14700	13700	16800
Antimony	mg/kg	0.33 U	0.16 U	0.16 U	0.16 U	0.91 J	0.72 J
Arsenic	mg/kg	8.9	3.3	4.1	1.1	17.5	15.5
Barium	mg/kg	103	56.1	49.7	68.3	51	111
Beryllium	mg/kg	0.84	0.5	0.33	0.54	0.54	0.63
Cadmium	mg/kg	0.024 U	0.012 U	0.012 U	0.012 U	0.031 U	0.03 U
Calcium	mg/kg	2430	24500	1290	34600	6900	1090
Chromium	mg/kg	41.2	34.9	30.8	17.4	79.7	71
Cobalt	mg/kg	10.8	9.4	5.5	9	13.4	13
Copper	mg/kg	23.8	16.8	11.3	13.5	18.9	20.3
Iron	mg/kg	43700	31500	18700	30500	36500	37000
Lead	mg/kg	9.6	5.7	4.2	4.5	9.7	14.1
Magnesium	mg/kg	4710	7030	2230	8600	7380	3940
Manganese	mg/kg	238	305	217	345	335	1260
Mercury	mg/kg	0.019	0.0083	0.012	0.0063 J	0.019	0.012
Nickel	mg/kg	26.3	22.8	14.3	21	31.3	22.7
Potassium	mg/kg	1900	2240	1580	2710	1450	1110
Selenium	mg/kg	0.42 J	0.67 J	0.14 U	0.58 J	0.88 U	0.62 U
Silver	mg/kg	0.069 U	0.034 U	0.035 U	0.034 U	0.087 U	0.086 U
Sodium	mg/kg	69.8	95	71.8	111	55.3	48
Thallium	mg/kg	3.2	1.9	1.2	1.8	1.7	2.9
Vanadium	mg/kg	31.3	17.9	11.5	16.2	18.6	26.3
Zinc	mg/kg	63.3	49.7	31.4	43.4	64.5	62

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-057	DA1SB-057	DA1SB-058	DA1SB-058	DA1SB-058	DA1SB-059
	Sample Number	DA1SB-057M-0203-SO	DA1SB-057M-0204-SO	DA1SB-058M-0201-SO	DA1SB-058M-0202-SO	DA1SB-058M-0203-SO	DA1SB-059D-0201-SO
	Sample Date	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	8 - 12 ft	12 - 16 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	5 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent	98.7	99	99	98.4	98.5	81.5
Metals							
Aluminum	mg/kg	13800	13800	8810	12600	15900	
Antimony	mg/kg	0.41 U	0.4 U	3.4	1.3 J	0.41 U	
Arsenic	mg/kg	15.3	13	7.3	13.8	11	
Barium	mg/kg	68.8	68.1	52.9	68.3	91	
Beryllium	mg/kg	0.51	0.49	0.33	0.47	0.59	
Cadmium	mg/kg	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	
Calcium	mg/kg	18200	28000	25500	8960	33000	
Chromium	mg/kg	20	24.2	194	74.3	25.5	
Cobalt	mg/kg	12.4	11.6	9	11.8	14.2	
Copper	mg/kg	20.1	18.8	16.3	21	18.8	
Iron	mg/kg	34100	31900	23400	31600	33100	
Lead	mg/kg	11.4	10.8	8.3	11	11.3	
Magnesium	mg/kg	5850	7820	6630	4610	8930	
Manganese	mg/kg	375	379	338	441	509	
Mercury	mg/kg	0.0094	0.0086	0.0091	0.0095	0.0095	
Nickel	mg/kg	28.9	27	21.1	26.4	30.3	
Potassium	mg/kg	1860	1620	1550	2430	2020	
Selenium	mg/kg	0.35 U	0.55 U	0.35 U	0.42 U	0.54 U	
Silver	mg/kg	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	
Sodium	mg/kg	74.2	77.5	73.7	89.9	78.4	
Thallium	mg/kg	1.7	1.6	1.4	1.9	2.2	
Vanadium	mg/kg	19.5	20.2	15.3	19.3	22	
Zinc	mg/kg	63.8	60.4	47.3	62.1	62.3	

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-059	DA1SB-059	DA1SB-059	DA1SB-059	DA1SB-060	DA1SB-060
	Sample Number	DA1SB-059M-0201-SO	DA1SB-059M-0202-SO	DA1SB-059M-0203-SO	DA1SB-081M-0203-SO	DA1SB-060M-0201-SO	DA1SB-060M-0202-SO
	Sample Date	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010
	Sample Purpose	REG	REG	REG	FD	REG	REG
	DEPTH	5 - 8 ft	8 - 12 ft	12 - 16 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.11 U					
Hexavalent Chromium	mg/kg	1.9 U					
Total Solids	Percent	98	98.9	99.6	99.6	98.9	98.5
Metals							
Aluminum	mg/kg	12200	15200	13300	4960	13900	14200
Antimony	mg/kg	20.5	0.4 U	1.7	0.4 U	0.16 U	0.16 U
Arsenic	mg/kg	33	13.8	12.1	14.9	5.9	5.5
Barium	mg/kg	869	76	71.4	29.4	51.1	64
Beryllium	mg/kg	0.95	0.55	0.48	0.17	0.47	0.48
Cadmium	mg/kg	18.4	0.03 U	0.03 U	0.03 U	0.012 U	0.012 U
Calcium	mg/kg	18800	27400	31100	1130	531	2100
Chromium	mg/kg	101	24.9	114	28.7	15.4	19.2
Cobalt	mg/kg	10.1	11.5	11.1	5.8	8.1	12.9
Copper	mg/kg	222	18.2	17.6	19	16.7	20.8
Iron	mg/kg	33000	33700	31300	21100	31500	38200
Lead	mg/kg	416	10.6	10.2	11.9	6.9	22.8
Magnesium	mg/kg	3470	7870	7170	1900	3060	4570
Manganese	mg/kg	1100	346	449	217	287	485
Mercury	mg/kg	0.012	0.01	0.015	0.009	0.025	0.011
Nickel	mg/kg	40.7	26.4	25.6	15.3	16.1	27.8
Potassium	mg/kg	2060	1770	502	507	1300	1030
Selenium	mg/kg	2.1	0.35 U	0.35 U	0.35 U	0.77 J	0.51 J
Silver	mg/kg	115	0.086 U	0.085 U	0.085 U	0.034 U	0.035 U
Sodium	mg/kg	84.2	78.1	26.9	30.6	59.4	39.3
Thallium	mg/kg	2	1.8	2.1	1.1	1.7	2.1
Vanadium	mg/kg	16.5	20.7	19.5	11.1	17.3	19.1
Zinc	mg/kg	364	63.1	57.5	69.8	46.5	62.9

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-060	DA1SB-060	DA1SB-061	DA1SB-061	DA1SB-061	DA1SB-061
	Sample Number	DA1SB-060M-0203-SO	DA1SB-060M-0204-SO	DA1SB-061M-0201-SO	DA1SB-061M-0202-SO	DA1SB-061M-0203-SO	DA1SB-061M-0204-SO
	Sample Date	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	8 - 12 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent	98.6	99	98.3	98.7	98.7	99.5
Metals							
Aluminum	mg/kg	13700	12900	20100	13800	11500	6130
Antimony	mg/kg	0.16 U	0.3 J	0.33 U	0.16 U	0.16 U	0.72
Arsenic	mg/kg	3.4	3.1	8.3	3.9	4.1	4.4
Barium	mg/kg	60.9	62.6	99.7	59.8	63.8	24.3
Beryllium	mg/kg	0.47	0.42	0.8	0.43	0.43	0.23
Cadmium	mg/kg	0.012 U	0.012 U	0.024 U	0.012 U	0.012 U	0.012 U
Calcium	mg/kg	26300	21900	1580	32300	28000	965
Chromium	mg/kg	19.9	98.5	43.6	17.9	51.2	155
Cobalt	mg/kg	9.2	8.8	12.9	10.7	8.3	5.1
Copper	mg/kg	15.7	19	23.4	17.7	16.7	18.4
Iron	mg/kg	29400	29200	41300	33600	35500	23300
Lead	mg/kg	5.5	6	9.4	5.9	4.9	7.7
Magnesium	mg/kg	6030	5250	4990	7550	6380	1840
Manganese	mg/kg	306	334	331	342	444	211
Mercury	mg/kg	0.0098	0.01	0.018	0.0092	0.014	0.0082
Nickel	mg/kg	22.1	21.6	31.1	24.9	19.2	13.2
Potassium	mg/kg	2150	2010	2040	1300	1890	854
Selenium	mg/kg	0.38 J	0.42 J	0.51 J	0.29 J	0.44 J	0.25 J
Silver	mg/kg	0.034 U	0.034 U	0.069 U	0.034 U	0.034 U	0.034 U
Sodium	mg/kg	83.4	80.6	73.8	58.3	83.3	61.6
Thallium	mg/kg	1.7	2	2.8	2	2	1.2
Vanadium	mg/kg	17.7	18.1	27.1	18	17	10.4
Zinc	mg/kg	47.9	51	68	53.7	53.2	57.3

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-062	DA1SB-062	DA1SB-062	DA1SB-062	DA1SB-063	DA1SB-063
	Sample Number	DA1SB-062M-0201-SO	DA1SB-062M-0202-SO	DA1SB-062M-0203-SO	DA1SB-062M-0204-SO	DA1SB-063M-0201-SO	DA1SB-063M-0202-SO
	Sample Date	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	4 - 8 ft	8 - 12 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent	97.9	98.8	99.1	99.7	98.9	98.9
Metals							
Aluminum	mg/kg	14200	14400	11400	6970	16500	13300
Antimony	mg/kg	0.16 U	0.4 U	0.16 U	0.73	0.16 U	0.16 U
Arsenic	mg/kg	4.6	13	3.3	6.2	5.7	4.5
Barium	mg/kg	79.7	69.5	59	26.6	78.9	56.6
Beryllium	mg/kg	0.58	0.51	0.42	0.29	0.62	0.43
Cadmium	mg/kg	0.012 U	0.03 U	0.012 U	0.012 U	0.012 UJ	0.012 U
Calcium	mg/kg	1590	28800	28000	632	16200	27500
Chromium	mg/kg	18.2	31.5	37	176	29.4 J	22.6
Cobalt	mg/kg	11.4	11.5	8.3	6.3	11.6 J	9.4
Copper	mg/kg	17.7	17.6	16.1	19.3	19 J	16.8
Iron	mg/kg	34400	32800	30200	25400	37000 J	31300
Lead	mg/kg	6.2	10.4	6.5	20.3	20.7	5.8
Magnesium	mg/kg	4280	7540	5400	1950	5920	7180
Manganese	mg/kg	362	395	380	370	429	299
Mercury	mg/kg	0.015	0.0096	0.014	0.0078 J	0.0099	0.01
Nickel	mg/kg	25.6	25.9	19.1	15	27.3 J	22.1
Potassium	mg/kg	1220	2000	1380	785	2260	1850
Selenium	mg/kg	0.37 J	0.35 U	0.47 J	0.14 U	0.18 J	0.53 J
Silver	mg/kg	0.035 U	0.086 U	0.034 U	0.034 U	0.034 U	0.034
Sodium	mg/kg	36.8	83.5	58	49.6	86.2	82.7
Thallium	mg/kg	1.9	2	1.7	1.5	2.4 J	2
Vanadium	mg/kg	18.1	19.9	15.1	12.6	22.9 J	16.9
Zinc	mg/kg	54.6	60.2	51.5	56.2	58.1 J	51.1

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1SB-063	DA1SB-063	DA1SB-064	DA1SB-064	DA1SB-064	DA1SB-064
Sample Number		DA1SB-063M-0203-SO	DA1SB-082M-0202-SO	DA1SB-064D-0201-SO	DA1SB-064M-0201-SO	DA1SB-064M-0202-SO	DA1SB-064M-0203-SO
Sample Date		9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010
Sample Purpose		REG	FD	REG	REG	REG	REG
DEPTH		12 - 16 ft	8 - 12 ft	4 - 8 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg				0.11 U		
Hexavalent Chromium	mg/kg				1.9 U		
Total Solids	Percent	99	98.9	82.2	98.1	98.7	99.7
Metals							
Aluminum	mg/kg	11300	11200		17500	14200	5720
Antimony	mg/kg	0.16 U	0.16 U		0.41 U	0.16 U	0.46 J
Arsenic	mg/kg	0.4 J	5.1		14.4	5.2	5.1
Barium	mg/kg	53.5	62.7		91.4	68.9	30
Beryllium	mg/kg	0.37	0.37		0.69	0.53	0.14
Cadmium	mg/kg	0.012 U	0.012 U		0.031 U	0.012 U	0.012 U
Calcium	mg/kg	28700	23500		18600	24500	1340
Chromium	mg/kg	18	17.1		38.4	15.4	124
Cobalt	mg/kg	7.6	9.5		13.9	10.9	4.9
Copper	mg/kg	12.5	14.9		22.3	16.1	17.9
Iron	mg/kg	24600	27900		37500	31300	22000
Lead	mg/kg	3.8	5.1		12.4	5.7	5.4
Magnesium	mg/kg	6410	6170		6750	5980	2500
Manganese	mg/kg	315	486		423	406	253
Mercury	mg/kg	0.0098	0.009		0.011	0.25	0.011
Nickel	mg/kg	17.7	20.8		32.4	24.1	11
Potassium	mg/kg	1810	1620		1170	2190	983
Selenium	mg/kg	0.74 J	0.36 J		0.36 U	0.57 J	0.37 J
Silver	mg/kg	0.034 U	0.034 U		1.1	0.034 U	0.034 U
Sodium	mg/kg	80.8	72.5		55	87.6	75.2
Thallium	mg/kg	1.5	1.8		2.4	2.1	1.1
Vanadium	mg/kg	13.2	14.2		24.3	17.6	9.4
Zinc	mg/kg	38	45.9		69.3	50.2	47.5

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-065	DA1SB-065	DA1SB-065	DA1SB-065	DA1SB-066	DA1SB-066
	Sample Number	DA1SB-065M-0201-SO	DA1SB-065M-0202-SO	DA1SB-065M-0203-SO	DA1SB-083M-0202-SO	DA1SB-066M-0201-SO	DA1SB-066M-0202-SO
	Sample Date	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010	9/23/2010
	Sample Purpose	REG	REG	REG	FD	REG	REG
	DEPTH	4 - 8 ft	8 - 12 ft	12 - 16 ft	8 - 12 ft	1 - 4 ft	4 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent	98.4	98.7	98.7	98.5	98	98.5
Metals							
Aluminum	mg/kg	12900	12900	11500	15900	12700	11600
Antimony	mg/kg	0.16 U	0.16 U	1.4	0.16 U	0.16 U	0.16 U
Arsenic	mg/kg	0.67 J	2.5	5.8	4.8	5.2	5.8
Barium	mg/kg	66.6	58.8	68.4	72.1	78.1	53.3
Beryllium	mg/kg	0.5	0.47	0.43	0.56	0.52	0.38
Cadmium	mg/kg	0.012 U	0.012 U	0.012 U	0.012 U	0.026 J	0.012 U
Calcium	mg/kg	3750	14800	18200	16100	1150	11400
Chromium	mg/kg	16.2	25.8	112	29.8	19.2	16.8
Cobalt	mg/kg	7.9	8.6	8.9	11.3	10.9	10
Copper	mg/kg	12.1	13.6	19.9	18.1	56.1	18.3
Iron	mg/kg	28600	28600	29100	34400	28200	29500
Lead	mg/kg	3.6	4.4	28.1	6.4	26.3	29.7
Magnesium	mg/kg	4170	5070	5020	6040	3730	4970
Manganese	mg/kg	331	321	418	372	430	352
Mercury	mg/kg	0.012	0.011	0.013	0.012	0.021	0.0093
Nickel	mg/kg	18.6	19.8	20.7	27	21.5	23.2
Potassium	mg/kg	1990	2200	1910	2390	791	1070
Selenium	mg/kg	0.77 J	0.56 J	0.45 J	0.28 J	0.39 J	0.31 J
Silver	mg/kg	0.035 U	0.034 U	0.034 U	0.035 U	0.035 U	0.035 U
Sodium	mg/kg	68.9	83.3	71.4	87.6	24.8	41.1
Thallium	mg/kg	1.6	1.8	1.9	2.5	1.8	1.6
Vanadium	mg/kg	14.4	15.7	17.5	21.6	18.8	16.8
Zinc	mg/kg	38.7	42.2	62.3	55.8	77	56.3

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1SB-066	DA1SB-066	DA1SB-067	DA1SB-067	DA1SB-067	DA1SB-067
Sample Number		DA1SB-066M-0203-SO	DA1SB-066M-0204-SO	DA1SB-067D-0201-SO	DA1SB-067D-0202-SO	DA1SB-067D-0203-SO	DA1SB-067D-0204-SO
Sample Date		9/23/2010	9/23/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
Sample Purpose		REG	REG	REG	REG	REG	REG
DEPTH		8 - 12 ft	12 - 16 ft	2 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent	97.7	99.6	84	82.1	82.6	75.9
Metals							
Aluminum	mg/kg	15700	6170				
Antimony	mg/kg	0.35 J	2.8				
Arsenic	mg/kg	5	7				
Barium	mg/kg	78.8	34.3				
Beryllium	mg/kg	0.58	0.24				
Cadmium	mg/kg	0.012 U	0.012 U				
Calcium	mg/kg	32000	1510				
Chromium	mg/kg	44.8	200				
Cobalt	mg/kg	11.5	6.1				
Copper	mg/kg	18.8	23.5				
Iron	mg/kg	32100	22100				
Lead	mg/kg	27.6	30.1				
Magnesium	mg/kg	7630	1930				
Manganese	mg/kg	403	317				
Mercury	mg/kg	0.01	0.013				
Nickel	mg/kg	26.4	14.7				
Potassium	mg/kg	2300	976				
Selenium	mg/kg	0.24 J	0.47 J				
Silver	mg/kg	0.035 U	0.034 U				
Sodium	mg/kg	83.2	92.1				
Thallium	mg/kg	2.1	0.98				
Vanadium	mg/kg	22.3	11.1				
Zinc	mg/kg	58.3	66.3				

bgs denotes below ground surface
DA1 denotes Open Demolition Area #1
FD denotes field duplicate
ft denotes foot/feet
J denotes estimated concentration
mg/kg denotes milligrams per kilogram
SB denotes soil boring
so denotes subsurface soil
SO denotes soil
U denotes not detected
VQ denotes validation qualifier

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-067**	**DA1SB-067**	**DA1SB-067**	**DA1SB-067**	**DA1SB-068**	**DA1SB-068**
	Sample Number	**DA1SB-067M-0201-SO**	**DA1SB-067M-0202-SO**	**DA1SB-067M-0203-SO**	**DA1SB-067M-0204-SO**	**DA1SB-068D-0201-SO**	**DA1SB-068D-0202-SO**
	Sample Date	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**2 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**1 - 4 ft**	**4 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg		1.9 U				
Total Solids	Percent	98.6	98.8	98.7	99.3	80.8	80.2
Metals							
Aluminum	mg/kg	17600	11700	12000	6240		
Antimony	mg/kg	0.16 U	0.23 J	0.16 U	0.16 U		
Arsenic	mg/kg	6.1	4.3	2.4	9.5		
Barium	mg/kg	74.5	57.7	61.3	35.9		
Beryllium	mg/kg	0.47	0.41	0.44	0.23		
Cadmium	mg/kg	3.5	0.012 U	0.012 U	0.012 U		
Calcium	mg/kg	2200	18200	24400	4470		
Chromium	mg/kg	49.1	25	17.3	29.3		
Cobalt	mg/kg	8.3	8.9	9	6.2		
Copper	mg/kg	490	16.5	14.5	24.6		
Iron	mg/kg	26600	25900	24200	23500		
Lead	mg/kg	39.8	23.2	21.1	32.8		
Magnesium	mg/kg	3170	5670	6690	2390		
Manganese	mg/kg	348	315	318	317		
Mercury	mg/kg	0.053	0.0087	0.0089	0.019		
Nickel	mg/kg	26.8	21	21.4	16.3		
Potassium	mg/kg	1530	1780	1820	695		
Selenium	mg/kg	0.5 J	0.14 U	0.14 U	0.14 U		
Silver	mg/kg	0.034 U	0.034 U	0.034 U	0.034 U		
Sodium	mg/kg	51.5	65.8	67.4	31.7		
Thallium	mg/kg	1.9	1.7	1.6	1.5		
Vanadium	mg/kg	19.3	15.8	16.4	12.3		
Zinc	mg/kg	271	48	46	75		

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**DA1SB-068**	**DA1SB-068**	**DA1SB-068**	**DA1SB-068**	**DA1SB-068**	**DA1SB-068**
Sample Number		**DA1SB-068D-0203-SO**	**DA1SB-068D-0204-SO**	**DA1SB-068M-0201-SO**	**DA1SB-068M-0202-SO**	**DA1SB-068M-0203-SO**	**DA1SB-068M-0204-SO**
Sample Date		**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**
Sample Purpose		**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
DEPTH		**8 - 12 ft**	**12 - 16 ft**	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg			0.4			
Hexavalent Chromium	mg/kg						
Total Solids	Percent	77.1	76.3	98.8	98.9	98.9	99.1
Metals							
Aluminum	mg/kg			10900	10900	13200	8530
Antimony	mg/kg			0.49 J	0.16 U	0.16 U	2.1
Arsenic	mg/kg			5.4	4.2	3.3	5.8
Barium	mg/kg			47.6	55.1	63.2	50.4
Beryllium	mg/kg			0.42	0.37	0.48	0.31
Cadmium	mg/kg			0.096	0.012 U	0.012 U	0.012 U
Calcium	mg/kg			420	2890	25800	7870
Chromium	mg/kg			49.1	16.9	27.4	161
Cobalt	mg/kg			8	9.8	9.5	8.2
Copper	mg/kg			21.2	19.1	16.4	22.6
Iron	mg/kg			24600	28600	27300	25200
Lead	mg/kg			24.5	28.7	24.8	30.9
Magnesium	mg/kg			2590	4120	6830	3160
Manganese	mg/kg			293	388	322	365
Mercury	mg/kg			0.019	0.008	0.0087	0.015
Nickel	mg/kg			15.9	23.7	22	19.4
Potassium	mg/kg			1000	1000	2180	1310
Selenium	mg/kg			0.23 J	0.4 J	0.14 U	0.43
Silver	mg/kg			0.034 U	0.034 U	0.034 U	0.034 U
Sodium	mg/kg			45.3	32.6	77.4	53.2
Thallium	mg/kg			1.5	1.6	1.7	1.5 J
Vanadium	mg/kg			15.2	15.9	18.3	14.2
Zinc	mg/kg			51.6	57.6	50.6	63.1

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-068**	**DA1SB-068**	**DA1SB-068**	**DA1SB-069**	**DA1SB-069**	**DA1SB-069**
	Sample Number	**DA1SB-084D-0201-SO**	**DA1SB-084M-0201-SO**	**DA1SB-084M-0201-SOa**	**DA1SB-069D-0201-SO**	**DA1SB-069D-0202-SO**	**DA1SB-069D-0203-SO**
	Sample Date	**9/24/2010**	**9/24/2010**	**11/10/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**
	Sample Purpose	**FD**	**FD**	**FD**	**REG**	**REG**	**REG**
	DEPTH	**1 - 4 ft**	**1 - 4 ft**	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg		0.11 U				
Hexavalent Chromium	mg/kg						
Total Solids	Percent	80.7	98.7	97.8	82.7	82.5	81.7
Metals							
Aluminum	mg/kg		9830	10400			
Antimony	mg/kg		0.16 U	0.34			
Arsenic	mg/kg		11.6	11.4			
Barium	mg/kg		43.4	55			
Beryllium	mg/kg		0.38	0.45			
Cadmium	mg/kg		0.016 J	0.42			
Calcium	mg/kg		438	787			
Chromium	mg/kg		13.1	16.8			
Cobalt	mg/kg		7.8	9.7			
Copper	mg/kg		19.7	17.8			
Iron	mg/kg		26500	25400			
Lead	mg/kg		11.1	9.2			
Magnesium	mg/kg		2720	2490			
Manganese	mg/kg		343	396			
Mercury	mg/kg		0.022	0.035			
Nickel	mg/kg		15.2	14.2			
Potassium	mg/kg		527	948			
Selenium	mg/kg		0.63 J	1.5			
Silver	mg/kg		0.034 U	0.017 U			
Sodium	mg/kg		20	38.1			
Thallium	mg/kg		1.3	0.041 U			
Vanadium	mg/kg		13.9	18.3			
Zinc	mg/kg		48.6	57.8			

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
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Location Code		**DA1SB-069**	**DA1SB-069**	**DA1SB-069**	**DA1SB-070**	**DA1SB-070**	**DA1SB-070**
Sample Number		**DA1SB-069M-0201-SO**	**DA1SB-069M-0202-SO**	**DA1SB-069M-0203-SO**	**DA1SB-070D-0201-SO**	**DA1SB-070D-0202-SO**	**DA1SB-070D-0203-SO**
Sample Date		**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**
Sample Purpose		**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
DEPTH		**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.11 U					
Hexavalent Chromium	mg/kg						
Total Solids	Percent	99.2	99	99	83.6	81	81.1
Metals							
Aluminum	mg/kg	9480	12000	12400			
Antimony	mg/kg	0.16 U	0.16 U	0.16 U			
Arsenic	mg/kg	5.4	3.7	5.7			
Barium	mg/kg	57.5	51	67.2			
Beryllium	mg/kg	0.35	0.41	0.43			
Cadmium	mg/kg	0.012 U	0.012 U	0.012 U			
Calcium	mg/kg	6400	26300	31500			
Chromium	mg/kg	16.5	16.5	25.9			
Cobalt	mg/kg	9.2	9.8	10.4			
Copper	mg/kg	17.2	16.6	17.5			
Iron	mg/kg	25200	27800	28500			
Lead	mg/kg	25.7	26.2	28			
Magnesium	mg/kg	3930	7980	8380			
Manganese	mg/kg	514	353	414			
Mercury	mg/kg	0.0077 J	0.012	0.012			
Nickel	mg/kg	21.4	22.9	24.1			
Potassium	mg/kg	882	1470	1660			
Selenium	mg/kg	0.14 U	0.14 J	0.14 U			
Silver	mg/kg	0.034 U	0.034 U	0.034 U			
Sodium	mg/kg	36.3	63.4	77.5			
Thallium	mg/kg	1.4	1.7	1.8			
Vanadium	mg/kg	14	16.3	16.9			
Zinc	mg/kg	49.6	51.5	58.6			

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
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	Location Code	**DA1SB-070**	**DA1SB-070**	**DA1SB-070**	**DA1SB-070**	**DA1SB-070**	**DA1SB-070**
	Sample Number	**DA1SB-070M-0201-SO**	**DA1SB-070M-0202-SO**	**DA1SB-070M-0203-SO**	**DA1SB-070M-0204-SO**	**DA1SB-085D-0204-SO**	**DA1SB-085M-0204-SO**
	Sample Date	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**FD**	**FD**
	DEPTH	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**12 - 16 ft**	**12 - 16 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg			0.11 U			
Hexavalent Chromium	mg/kg						
Total Solids	Percent	97.9	98.3	98.1	98.6	79.9	98.6
Metals							
Aluminum	mg/kg	11200	10400	13300	12900		12900
Antimony	mg/kg	0.16 U	0.16 U	0.16 U	0.57		0.66
Arsenic	mg/kg	13.1	15.3	12.8	10.2		9.8
Barium	mg/kg	81.2	71.2	85.1	62.9		64.4
Beryllium	mg/kg	0.51	0.47	0.5	0.46		0.46
Cadmium	mg/kg	0.2 J	0.012 U	0.012 U	0.012 U		0.012 U
Calcium	mg/kg	1460	1980	19700	30200		30700
Chromium	mg/kg	21.2 J	16.8	21.1	58.3		74
Cobalt	mg/kg	10.9 J	9.7	12.5	9.8		9.3
Copper	mg/kg	28.3 J	20.6	17.9	17.3		16.1
Iron	mg/kg	30300	30700	31700	29000		29100
Lead	mg/kg	18.5	11.9	12.3	10.9		11.2
Magnesium	mg/kg	2720	3650	6880	8010		7910
Manganese	mg/kg	659	476	642	311		313
Mercury	mg/kg	0.027	0.013	0.011	0.01		0.01
Nickel	mg/kg	17 J	25	28.5	24.1		23
Potassium	mg/kg	679	682	1500	1860		1950
Selenium	mg/kg	1.1 J	0.32 U	0.36 J	0.43 J		0.71 J
Silver	mg/kg	0.035 U	0.035 U	0.035 U	0.034 U		0.034 U
Sodium	mg/kg	23.6	28.7	58.1	78.9		78.9
Thallium	mg/kg	2.2 J	1.6	1.9	1.8		1.8
Vanadium	mg/kg	19.9 J	16.1	18.8	18.9		18.5
Zinc	mg/kg	60.3 J	56	57.6	51.2		47.7

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
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	Location Code	**DA1SB-071**	**DA1SB-071**	**DA1SB-071**	**DA1SB-071**	**DA1SB-072**	**DA1SB-072**
	Sample Number	**DA1SB-071D-0201-SO**	**DA1SB-071M-0201-SO**	**DA1SB-071M-0202-SO**	**DA1SB-071M-0203-SO**	**DA1SB-072M-0201-SO**	**DA1SB-072M-0202-SO**
	Sample Date	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**4 - 8 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**2 - 4 ft**	**4 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg		0.11 U				
Hexavalent Chromium	mg/kg						
Total Solids	Percent	81.4	98.7	98.9	98.8	98.2	98.2
Metals							
Aluminum	mg/kg		11700	11800	10900	16100	11200
Antimony	mg/kg		0.16 U	0.43 J	0.16 U	0.3 J	0.16 U
Arsenic	mg/kg		13.3	10.2	8.2	13.5	10.5
Barium	mg/kg		69.4	57.6	60.7	89.6	57
Beryllium	mg/kg		0.44	0.41	0.37	0.6	0.39
Cadmium	mg/kg		0.012 U	0.012 U	0.012 U	4.4	0.012 U
Calcium	mg/kg		18200	26300	30500	14300	16400
Chromium	mg/kg		28.3	41	14.9	106	14.8
Cobalt	mg/kg		9.5	9.4	9.2	11.2	8.5
Copper	mg/kg		17.8	17.3	14.8	1290	14.5
Iron	mg/kg		28800	27900	25300	34500	28700
Lead	mg/kg		12.1	11.6	10.3	69.8	9.2
Magnesium	mg/kg		5620	8390	8650	5800	5400
Manganese	mg/kg		427	344	324	405	334
Mercury	mg/kg		0.011	0.012	0.012	0.022	0.01
Nickel	mg/kg		23	23.6	22.5	27.7	20.6
Potassium	mg/kg		1470	1740	1440	1550	1060
Selenium	mg/kg		0.53 J	0.52 J	0.45 J	0.6 J	0.39 J
Silver	mg/kg		0.034 U	0.034 U	0.034 U	0.035 U	0.035 U
Sodium	mg/kg		60.8	83.7	80	62.4	47.6
Thallium	mg/kg		1.7	1.6	1.4	2.1	1.4
Vanadium	mg/kg		17.2	16.9	15	21.2	15.4
Zinc	mg/kg		52.7	51.1	46.6	475	46

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Analytical Results
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	Location Code	**DA1SB-072**	**DA1SB-072**	**DA1SB-072**	**DA1SB-073**	**DA1SB-073**	**DA1SB-073**
	Sample Number	**DA1SB-072M-0203-SO**	**DA1SB-072M-0204-SO**	**DA1SB-086M-0204-SO**	**DA1SB-073D-0201-SO**	**DA1SB-073M-0201-SO**	**DA1SB-073M-0202-SO**
	Sample Date	**9/24/2010**	**9/24/2010**	**9/24/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**
	Sample Purpose	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**
	DEPTH	**8 - 12 ft**	**12 - 16 ft**	**12 - 16 ft**	**1 - 4 ft**	**1 - 4 ft**	**4 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg					0.17 J	
Hexavalent Chromium	mg/kg					1.9 UJ	
Total Solids	Percent	98.3	99.4	99.4	89.7	98.7	99.4
Metals							
Aluminum	mg/kg	13900	6790	5940		7900 J	6140
Antimony	mg/kg	0.82	7.6	5.1		1.1 J	3.1
Arsenic	mg/kg	10.4	10.7	9.8		7.8	5.8
Barium	mg/kg	77.8	40.2	35.7		48.4	35
Beryllium	mg/kg	0.52	0.24	0.25		0.42	0.25
Cadmium	mg/kg	0.012 U	0.012 U	0.012 U		0.59 J	0.11
Calcium	mg/kg	30800	1060	790		391	463
Chromium	mg/kg	79.9	589	384		85.1 J	179
Cobalt	mg/kg	10.1	5.9	6.1		7.6 J	6.3
Copper	mg/kg	16.8	26.5	25.7		9 J	9.4
Iron	mg/kg	30800	25500	22500		19700	15500
Lead	mg/kg	12.5	13.9	10.5		7.7 J	6.6
Magnesium	mg/kg	7380	1750	1700		1960	1930
Manganese	mg/kg	380	342	390		243	221
Mercury	mg/kg	0.011	0.037	0.019		0.024	0.0082
Nickel	mg/kg	24.2	16	16.4		14 J	13.7
Potassium	mg/kg	1960	1330	966		689	1310
Selenium	mg/kg	0.92	0.68 J	0.45 J		0.98 J	1.1
Silver	mg/kg	0.035 U	0.034 U	0.034 U		0.034 UJ	0.034 U
Sodium	mg/kg	78.8	115	75.7		40.8	166
Thallium	mg/kg	1.7	1.3	1.3		0.081 UJ	0.08 U
Vanadium	mg/kg	19.6	13.3	11.6		13.4	10.6
Zinc	mg/kg	51.4	63.9	59.9		53.2 J	40.7

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Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
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Location Code		DA1SB-073	DA1SB-073	DA1SB-074	DA1SB-074	DA1SB-074	DA1SB-074
Sample Number		DA1SB-073M-0203-SO	DA1SB-073M-0204-SO	DA1SB-074D-0203-SO	DA1SB-074M-0201-SO	DA1SB-074M-0202-SO	DA1SB-074M-0203-SO
Sample Date		11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010
Sample Purpose		REG	REG	REG	REG	REG	REG
DEPTH		8 - 12 ft	12 - 16 ft	8 - 12 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg					0.11 J	
Hexavalent Chromium	mg/kg						
Total Solids	Percent	99.6	99.7	86.8	98.8	99.3	99.4
Metals							
Aluminum	mg/kg	6020	1990		7240	5440	4600
Antimony	mg/kg	3.2	0.77		1.8	2.7	3
Arsenic	mg/kg	3.9	5.2		6	6	6.6
Barium	mg/kg	37.7	9.5		52.4	31.5	31.2
Beryllium	mg/kg	0.27	0.069		0.33	0.24	0.31
Cadmium	mg/kg	0.012 U	0.1		0.28	0.31	0.22
Calcium	mg/kg	818	369		541	387	614
Chromium	mg/kg	223	40.9		103	176	167
Cobalt	mg/kg	6.4	6.4		6.5	6.8	8
Copper	mg/kg	14.7	13.7		10.1	12.2	20.6
Iron	mg/kg	15300	4660		15100	13300	13300
Lead	mg/kg	8.4	4.5		6.7	7.2	7.8
Magnesium	mg/kg	2170	777		1680	1790	1510
Manganese	mg/kg	128	26.6		273	148	90
Mercury	mg/kg	0.014	0.0088		0.032	0.01	0.012
Nickel	mg/kg	13.2	15		11.6	16.8	12.8
Potassium	mg/kg	969	479		865	770	1150
Selenium	mg/kg	2.4	0.25 J		0.95	0.14 U	0.83
Silver	mg/kg	0.034 U	0.017 U		0.017 U	0.086 U	0.017 U
Sodium	mg/kg	94.9	50.4		73.4	59.2	125
Thallium	mg/kg	0.08 U	0.04 U		0.04 U	0.65 J	0.04 U
Vanadium	mg/kg	10.6	3.7		11.4	10.4	10.4
Zinc	mg/kg	35.6	43.9		48.1	33	40.5

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	Location Code	**DA1SB-074**	**DA1SB-075**	**DA1SB-075**	**DA1SB-075**	**DA1SB-075**	**DA1SB-076**
	Sample Number	**DA1SB-074M-0204-SO**	**DA1SB-075M-0201-SO**	**DA1SB-075M-0202-SO**	**DA1SB-075M-0203-SO**	**DA1SB-075M-0204-SO**	**DA1SB-076M-0201-SO**
	Sample Date	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**12 - 16 ft**	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**1 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent	99.6	97.8	98.7	99.3	99.7	98.1
Metals							
Aluminum	mg/kg	2230	9970	6230	6390	4140	10600
Antimony	mg/kg	2.3	0.95	0.27	4.9	3.4	0.38
Arsenic	mg/kg	5.4	11.1	5	9.5	7.1	13.4
Barium	mg/kg	10.8	57	29.1	45.7	30.5	72.9
Beryllium	mg/kg	0.1	0.45	0.21	0.35	0.18	0.62
Cadmium	mg/kg	0.084	0.41	0.075	0.64	0.43	0.37
Calcium	mg/kg	452	800	367	609	682	5280
Chromium	mg/kg	132	58.5	16.5	306	206	12.9
Cobalt	mg/kg	4.9	9.4	5.4	11.6	7.7	11.7
Copper	mg/kg	10.3	16.6	9.8	25	21.5	17.3
Iron	mg/kg	5670	23700	12200	19200	11900	27800
Lead	mg/kg	5.3	11.2	6	8.7	7.3	7.5
Magnesium	mg/kg	801	2360	1690	1970	1430	4230
Manganese	mg/kg	33.1	419	88.7	331	80.7	339
Mercury	mg/kg	0.0067 J	0.043	0.016	0.013	0.0095	0.017
Nickel	mg/kg	10	14.6	12.1	24.6	12.4	26
Potassium	mg/kg	610	1170	633	1230	722	1350
Selenium	mg/kg	0.4 J	1.6	0.63	0.94	0.89	1.5
Silver	mg/kg	0.017 U	0.017 U	0.017 U	0.11 U	0.048 U	0.017 U
Sodium	mg/kg	82.3	55.7	25.6	107	57.9	55.3
Thallium	mg/kg	0.04 U	0.041 U	0.041 U	0.081 U	0.08 U	0.041 U
Vanadium	mg/kg	4.9	17.3	10.2	12.6	7.9	17.4
Zinc	mg/kg	31.9	57.5	41.5	59.4	35.7	55

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	Location Code	**DA1SB-076**	**DA1SB-076**	**DA1SB-076**	**DA1SB-077**	**DA1SB-077**	**DA1SB-077**
	Sample Number	**DA1SB-076M-0202-SO**	**DA1SB-076M-0203-SO**	**DA1SB-088M-0203-SO**	**DA1SB-077M-0201-SO**	**DA1SB-077M-0202-SO**	**DA1SB-077M-0203-SO**
	Sample Date	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**
	Sample Purpose	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**
	DEPTH	**4 - 8 ft**	**8 - 12 ft**	**8 - 12 ft**	**1 - 4 ft**	**4 - 8 ft**	**8 - 12 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent	98.3	98.6	98.6	98.5	98.7	98.6
Metals							
Aluminum	mg/kg	9540	11100	9230	11200	8660	8320
Antimony	mg/kg	0.22 J	1.5	1.1	0.73	0.16 U	0.16 U
Arsenic	mg/kg	11.5	10.6	10.3	12	14	11.5
Barium	mg/kg	63.3	81.1	68.5	74.6	68.4	59.3
Beryllium	mg/kg	0.5	0.63	0.53	0.66	0.48	0.43
Cadmium	mg/kg	0.23	0.81	0.75	0.79	0.89	0.7
Calcium	mg/kg	32600	24900	18900	949	13200	24400
Chromium	mg/kg	15.4	114	83.7	71.1	13	12.4
Cobalt	mg/kg	11	13.8	12.6	12.8	12.4	11.4
Copper	mg/kg	15.4	21.5	19.5	16.6	18	15.3
Iron	mg/kg	25900	28300	25700	27200	27400	23800
Lead	mg/kg	5.5	7.3	6.6	8	5.5	4.5
Magnesium	mg/kg	6610	6800	5580	3330	4700	6090
Manganese	mg/kg	412	388	343	315	399	298
Mercury	mg/kg	0.011	0.01	0.0097	0.019	0.0072 J	0.0065 J
Nickel	mg/kg	24.4	33.9	27.2	24.7	25.9	25.1
Potassium	mg/kg	1740	1860	1650	1450	788	1050
Selenium	mg/kg	1.7	0.25 J	1.1	1.2	0.68 J	0.14 U
Silver	mg/kg	0.017 U	0.078	0.047 U	0.066	0.099	0.09
Sodium	mg/kg	95.6	92.8	82.7	55.6	44.3	53.8
Thallium	mg/kg	0.14	0.18 J	0.12 J	0.081 U	0.44	0.56
Vanadium	mg/kg	15.1	18.6	15.8	19.2	14.3	13.7
Zinc	mg/kg	46.3	59.8	55.3	49.1	48.6	44.2

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1SB-077**	**OD1gd-001**	**OD1gd-002**	**OD1gd-003**	**OD1gd-004**	**OD1gd-005**
	Sample Number	**DA1SB-077M-0204-SO**	**OD1gd-001-0001-SO**	**OD1gd-002-0001-SO**	**OD1gd-003-0001-SO**	**OD1gd-004-0001-SO**	**OD1gd-005-0001-SO**
	Sample Date	**11/10/2010**	**10/25/2000**	**10/27/2000**	**10/30/2000**	**10/30/2000**	**11/16/2000**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**12 - 16 ft**	**4 - 4 ft**	**4 - 4 ft**	**0 - 4 ft**	**4 - 4 ft**	**0 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						0.31 U
Hexavalent Chromium	mg/kg						
Total Solids	Percent	99					
Metals							
Aluminum	mg/kg	8640	13800 =	11500 =	17000 =	15500 =	9790 =
Antimony	mg/kg	1.1	0.24 U	0.25 =	0.26 U	0.47 =	0.32 =
Arsenic	mg/kg	14.8	13.3 =	14.2 =	23.1 =	17 =	20.8 =
Barium	mg/kg	65.7	68.4 =	56.4 =	65.4 =	94.8 =	67.9 =
Beryllium	mg/kg	0.5	0.66 =	0.65 =	1 =	0.54 =	0.62 =
Cadmium	mg/kg	0.88	0.15 =	0.16 U	0.14 U	0.13 U	0.17 U
Calcium	mg/kg	13500	7680 =	1010 =	1230 =	1740 =	1400 =
Chromium	mg/kg	89.9	18.4 =	16.1 =	20.1 =	19 =	14.7 =
Cobalt	mg/kg	12.4	7.7 =	8.6 =	12.7 =	10.4 =	7.4 =
Copper	mg/kg	19.4	18.8 =	17 =	30.6 =	17 =	19.2 =
Iron	mg/kg	27500	24000 =	23000 =	35900 =	24600 =	22800 =
Lead	mg/kg	5.8	11.1 =	12 =	21.2 =	15.5 =	11.4 =
Magnesium	mg/kg	5020	3940 =	3120 =	3560 =	3710 =	2790 =
Manganese	mg/kg	485	228 =	284 =	282 =	374 =	261 =
Mercury	mg/kg	0.0073 J	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	27	21 =	22.3 =	26.6 =	25.3 =	21.9 =
Potassium	mg/kg	1740	2550 =	1670 =	2240 =	2090 =	1220 =
Selenium	mg/kg	1.2	0.16 U	0.37 U	0.43 U	0.43 U	0.42 U
Silver	mg/kg	0.12	0.36 U	0.4 U	0.34 U	0.33 U	0.42 U
Sodium	mg/kg	77.8	111 =	79.1 U	1010 =	944 =	801 =
Thallium	mg/kg	0.23 J	0.2 =	0.15 U	0.17 U	0.17 U	0.16 U
Vanadium	mg/kg	15	23.9 =	18.2 =	27.3 =	25 =	16.8 =
Zinc	mg/kg	51.5	55.9 =	50.7 =	64.4 =	55.3 =	53.6 =

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**OD1gd-005**	**OD1gd-006**	**OD1gd-007**	**OD1gd-007**	**OD1gd-008**	**OD1gd-009**
	Sample Number	**OD1gd-005-0002-SO**	**OD1gd-006-0001-SO**	**OD1gd-007-0001-FD**	**OD1gd-007-0001-SO**	**OD1gd-008-0001-SO**	**OD1gd-009-0001-SO**
	Sample Date	**11/16/2000**	**11/1/2000**	**7/18/2001**	**7/18/2001**	**7/10/2001**	**6/21/2001**
	Sample Purpose	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**
	DEPTH	**0 - 8 ft**	**4 - 4 ft**	**4 - 4 ft**	**4 - 4 ft**	**4 - 4 ft**	**0 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.55 U	0.53 U				
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	13100 =	14600 =	12800 =	13800 =	9950 =	12300 =
Antimony	mg/kg	0.55 =	0.61 =	0.19 U	0.19 U	0.16 U	0.28 U
Arsenic	mg/kg	24.6 =	15.8 =	16.5 =	11.9 =	17.1 =	26.4 =
Barium	mg/kg	71.7 =	68.1 =	89.3 =	93.7 =	60.1 =	59.1 =
Beryllium	mg/kg	0.72 =	0.76 =	0.69 =	0.73 =	0.53 =	0.62 =
Cadmium	mg/kg	0.17 U	0.18 U	0.11 J	0.11 U	0.072 U	0.19 U
Calcium	mg/kg	6360 =	17100 =	6690 =	5240 =	1090 =	1060 =
Chromium	mg/kg	19.6 =	20.3 =	19.7 =	20.5 =	14.7 =	16.9 =
Cobalt	mg/kg	12.9 =	10.5 =	13.5 =	12.7 =	10 =	9.2 =
Copper	mg/kg	22.2 =	22.5 =	20.4 =	20.9 =	18.8 =	22.5 =
Iron	mg/kg	29900 =	28800 =	30500 =	31200 =	25100 =	26700 =
Lead	mg/kg	16.9 =	13.4 =	2.8 =	13.2 =	13.6 =	14.5 =
Magnesium	mg/kg	5430 =	5360 =	5120 =	4990 =	2940 =	3220 =
Manganese	mg/kg	381 =	285 =	369 =	369 =	322 =	277 =
Mercury	mg/kg	0.04 U	0.04 U	0.02 J	0.024 J	0.0083 J	0.04 U
Nickel	mg/kg	31.1 =	28.1 =	29.6 =	30.1 =	20.7 =	22.5 =
Potassium	mg/kg	2290 =	2720 =	1820 =	2100 =	1160 =	1700 =
Selenium	mg/kg	0.43 U	0.45 U	0.45 U	0.96 =	0.44 =	0.48 U
Silver	mg/kg	0.43 U	0.45 U	0.19 U	0.21 U	0.14 U	0.48 U
Sodium	mg/kg	902 =	965 =	97.1 J	130 =	93.9 =	117 =
Thallium	mg/kg	0.16 U	0.18 U	0.22 =	0.19 U	0.16 U	0.22 =
Vanadium	mg/kg	21.9 =	22.6 =	21.6 =	22.5 =	16.8 =	20.8 =
Zinc	mg/kg	66.1 =	63.5 =	66.7 =	68.7 =	53.5 =	56.9 =

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**OD1gd-010**	**OD1gd-010**	**OD1gd-011**	**OD1gd-012**	**OD1gd-013**	**OD1gd-014**
Sample Number		**OD1gd-010-0001-FD**	**OD1gd-010-0001-SO**	**OD1gd-011-0001-SO**	**OD1gd-012-0001-SO**	**OD1gd-013-0001-SO**	**OD1gd-014-0001-SO**
Sample Date		**6/28/2001**	**6/28/2001**	**6/13/2001**	**6/20/2001**	**11/20/2000**	**11/13/2000**
Sample Purpose		**FD**	**REG**	**REG**	**REG**	**REG**	**REG**
DEPTH		**4 - 4 ft**	**0 - 4 ft**	**4 - 4 ft**	**4 - 4 ft**	**4 - 4 ft**	**0 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg	0.46 U	0.54 U				
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	12400 =	14700 =	14000 =	12500 =	13500 =	14500 =
Antimony	mg/kg	0.2 J	0.19 U	0.18 U	0.29 U	0.23 U	0.29 U
Arsenic	mg/kg	19.7 =	17.4 =	11.1 =	9.3 =	1.2 =	18.2 =
Barium	mg/kg	74.1 =	81 =	74.7 =	66.6 =	80.8 =	110 =
Beryllium	mg/kg	0.64 =	0.72 =	0.78 =	0.61 =	0.83 =	0.97 =
Cadmium	mg/kg	0.11 U	0.11 U	0.099 U	0.18 U	0.15 U	0.15 U
Calcium	mg/kg	1540 =	1700 =	11500 =	952 =	2110 =	2070 =
Chromium	mg/kg	17.2 =	19.5 =	20.1 =	16.5 =	19.7 =	20.8 =
Cobalt	mg/kg	13.3 =	13.6 =	11.8 =	9.9 =	11.4 =	10.7 =
Copper	mg/kg	21.9 =	22 =	23.7 =	19.4 =	22 =	20.7 =
Iron	mg/kg	27800 =	28400 =	29700 =	24600 =	29300 =	29400 =
Lead	mg/kg	13.7 =	15.1 =	15.2 =	18.5 =	13 =	15.1 =
Magnesium	mg/kg	3490 =	3930 =	4950 =	3020 =	4410 =	4330 =
Manganese	mg/kg	451 =	432 =	396 =	293 =	364 =	291 =
Mercury	mg/kg	0.008 J	0.018 J	0.012 =	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	27.1 =	28.6 =	28.6 =	22.7 =	31.7 =	30.7 =
Potassium	mg/kg	1520 =	2100 =	2390 =	1810 =	2010 =	2030 =
Selenium	mg/kg	0.53 U	0.52 U	0.46 U	0.46 U	0.48 =	0.37 U
Silver	mg/kg	0.22 U	0.22 U	0.19 U	0.46 U	0.37 U	0.37 U
Sodium	mg/kg	80.1 J	80.6 J	127 =	135 =	895 =	889 =
Thallium	mg/kg	0.19 U	0.19 U	0.22 =	0.19 U	0.15 U	0.19 U
Vanadium	mg/kg	19.7 =	22.8 =	22.8 =	21.3 =	22.7 =	23.3 =
Zinc	mg/kg	61.3 =	63.4 =	64.7 =	53.2 =	62.8 =	60.3 =

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**OD1gd-015**	**OD1gd-016**	**OD1gd-016**	**OD1gd-017**	**OD1gd-018**	**OD1gd-019**
	Sample Number	**OD1gd-015-0001-SO**	**OD1gd-016-0001-FD**	**OD1gd-016-0001-SO**	**OD1gd-017-0001-SO**	**OD1gd-018-0001-SO**	**OD1gd-019-0001-SO**
	Sample Date	**11/30/2000**	**7/6/2001**	**7/6/2001**	**12/11/2000**	**7/12/2001**	**12/11/2000**
	Sample Purpose	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**0 - 4 ft**	**4 - 4 ft**	**4 - 4 ft**	**0 - 2 ft**	**2 - 2 ft**	**0 - 2 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
GEN CHEMISTRY							
Cyanide, Total	mg/kg						
Hexavalent Chromium	mg/kg						
Total Solids	Percent						
Metals							
Aluminum	mg/kg	13900 =	14900 =	13800 =	16000 =	12300 =	13300 =
Antimony	mg/kg	0.27 =	0.29 =	0.17 U	0.37 =	0.22 U	0.28 =
Arsenic	mg/kg	27.4 =	14.2 =	15 =	10.7 =	16.4 =	29.3 =
Barium	mg/kg	98.9 =	83.9 =	81.8 =	84.5 =	90.1 =	78.9 =
Beryllium	mg/kg	0.9 =	0.76 =	0.75 =	0.93 =	0.73 =	0.85 =
Cadmium	mg/kg	0.16 U	0.099 U	0.082 U	0.14 U	0.56 =	0.13 U
Calcium	mg/kg	1760 =	4570 =	2270 =	2110 =	1410 =	1680 =
Chromium	mg/kg	20.1 =	21.3 =	19.3 =	22.6 =	18.2 =	19.4 =
Cobalt	mg/kg	13.2 =	11.5 =	12.5 =	11.1 =	16.2 =	12 =
Copper	mg/kg	25.3 =	20.8 =	20.8 =	22.9 =	32 =	21.6 =
Iron	mg/kg	30800 =	28800 =	27900 =	30600 =	30000 =	29400 =
Lead	mg/kg	13.3 =	14.4 =	11.8 =	16.8 =	19 =	13.8 =
Magnesium	mg/kg	4470 =	4470 =	4070 =	5230 =	3830 =	4360 =
Manganese	mg/kg	416 =	652 =	361 =	282 =	386 =	344 =
Mercury	mg/kg	0.04 U	0.015 J	0.018 J	0.04 U	0.017 J	0.04 U
Nickel	mg/kg	34.5 =	28.8 =	29.1 =	33.8 =	27 =	29.6 =
Potassium	mg/kg	1700 =	2350 =	1910 =	2170 =	2040 =	2270 =
Selenium	mg/kg	0.4 U	0.46 U	0.38 U	0.34 U	0.4 J	0.32 U
Silver	mg/kg	0.4 U	0.19 U	0.16 U	0.34 U	0.16 U	0.32 U
Sodium	mg/kg	79.7 U	94.8 J	83 =	1030 =	70.7 J	911 =
Thallium	mg/kg	0.16 U	0.2 =	0.17 =	0.18 =	0.22 U	0.16 U
Vanadium	mg/kg	22.3 =	24.6 =	21.8 =	25.4 =	19.6 =	21 =
Zinc	mg/kg	68.3 =	61.6 =	59.6 =	64 =	89.8 =	62.9 =

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs)
Metals/General Chemistry
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		OD1gd-020		OD1gd-021	
Sample Number		OD1gd-020-0001-SO		OD1gd-021-0001-SO	
Sample Date		6/5/2001		7/23/2001	
Sample Purpose		REG		REG	
DEPTH		2 - 2 ft		2 - 4 ft	
Parameter	**Units**	**Result**	**VQ**	**Result**	**VQ**
GEN CHEMISTRY					
Cyanide, Total	mg/kg				
Hexavalent Chromium	mg/kg				
Total Solids	Percent				
Metals					
Aluminum	mg/kg	14300	=	16100	=
Antimony	mg/kg	0.19	U	0.22	U
Arsenic	mg/kg	10.1	=	8.2	=
Barium	mg/kg	67.9	=	73.3	=
Beryllium	mg/kg	0.73	=	0.58	=
Cadmium	mg/kg	0.1	U	0.24	=
Calcium	mg/kg	1510	=	579	=
Chromium	mg/kg	18.6	=	17.8	=
Cobalt	mg/kg	8.7	=	8.6	=
Copper	mg/kg	18.4	=	94.8	=
Iron	mg/kg	24200	=	23100	=
Lead	mg/kg	11.2	=	14.3	=
Magnesium	mg/kg	3440	=	3630	=
Manganese	mg/kg	350	=	303	=
Mercury	mg/kg	0.014	J	0.055	=
Nickel	mg/kg	20.8	=	19.4	=
Potassium	mg/kg	2060	=	1530	=
Selenium	mg/kg	0.46	U	0.97	=
Silver	mg/kg	0.19	U	0.18	J
Sodium	mg/kg	97.9	J	53.3	=
Thallium	mg/kg	0.19	U	0.22	U
Vanadium	mg/kg	24.3	=	25	=
Zinc	mg/kg	55.2	=	103	=

bgs denotes below ground surface
DA1 denotes Open Demolition Area #1
FD denotes field duplicate
ft denotes foot/feet
gd denotes grid
J denotes estimated concentration
mg/kg denotes milligrams per kilogram
OD1 denotes Open Demolition Area #1
SB denotes soil boring
so denotes subsurface soil
SO denotes soil
U denotes not detected
VQ denotes validation qualifier

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) PCBs/Pesticides
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1-007**	**DA1-020**	**DA1-023**	**DA1-023**	**DA1-029**	**DA1SB-059**	**DA1SB-064**
	Sample Number	**DA1so-007-0014-SO**	**DA1so-020-0049-SO**	**DA1so-023-0058-SO**	**DA1so-023-0059-SO**	**DA1so-029-0077-SO**	**DA1SB-059M-0201-SO**	**DA1SB-064M-0201-SO**
	Sample Date	**10/20/1999**	**10/22/1999**	**10/25/1999**	**10/25/1999**	**10/26/1999**	**9/23/2010**	**9/23/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**1 - 3 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**5 - 8 ft**	**4 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
PCBS								
Aroclor 1262	mg/kg						0.021 U	0.021 U
Aroclor 1268	mg/kg						0.029 U	0.029 U
PCB-1016	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.044 U	0.01 U	0.01 U
PCB-1221	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.044 U	0.02 U	0.02 U
PCB-1232	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.044 U	0.028 U	0.028 U
PCB-1242	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.044 U	0.03 U	0.03 U
PCB-1248	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.044 U	0.03 U	0.03 U
PCB-1254	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.044 U	0.023 U	0.024 U
PCB-1260	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.044 U	0.012 U	0.012 U
Pesticides								
4,4'-DDD	mg/kg						0.00031 U	0.0003 U
4,4'-DDE	mg/kg						0.00031 U	0.0003 J
4,4'-DDT	mg/kg						0.00051 U	0.00051 U
Aldrin	mg/kg						0.00051 U	0.00071 J
alpha-BHC	mg/kg						0.00061 U	0.00061 U
alpha-Chlordane	mg/kg						0.00031 U	0.0003 U
beta-BHC	mg/kg						0.00061 U	0.00061 U
Chlordane	mg/kg						0.0041 U	0.004 U
delta-BHC	mg/kg						0.00031 U	0.0027 J
Dieldrin	mg/kg						0.00031 U	0.0003 U
Endosulfan I	mg/kg						0.00072 U	0.00071 U
Endosulfan II	mg/kg						0.00031 U	0.0003 J
Endosulfan Sulfate	mg/kg						0.00092 U	0.00091 U
Endrin	mg/kg						0.00041 U	0.0004 U
Endrin Aldehyde	mg/kg						0.0011 UJ	0.0011 U
Endrin Ketone	mg/kg						0.00082 UJ	0.00081 U
gamma-Chlordane	mg/kg						0.00031 U	0.0003 U
Heptachlor	mg/kg						0.00041 U	0.0004 U
Heptachlor Epoxide	mg/kg						0.00051 U	0.00051 U
Lindane	mg/kg						0.00051 U	0.00051 U
Methoxychlor	mg/kg						0.00072 U	0.00071 U
Toxaphene	mg/kg						0.0051 U	0.0051 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) PCBs/Pesticides
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1SB-068	DA1SB-068	DA1SB-069	DA1SB-070	DA1SB-071	DA1SB-073	DA1SB-074
Sample Number		DA1SB-068M-0201-SO	DA1SB-084M-0201-SO	DA1SB-069M-0201-SO	DA1SB-070M-0203-SO	DA1SB-071M-0201-SO	DA1SB-073M-0201-SO	DA1SB-074M-0202-SO
Sample Date		9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	11/10/2010	11/10/2010
Sample Purpose		REG	FD	REG	REG	REG	REG	REG
DEPTH		1 - 4 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	4 - 8 ft	1 - 4 ft	4 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
PCBS								
Aroclor 1262	mg/kg	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U
Aroclor 1268	mg/kg	0.028 U	0.029 U	0.028 U	0.029 U	0.029 U	0.029 U	0.028 U
PCB-1016	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCB-1221	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
PCB-1232	mg/kg	0.027 U	0.027 U	0.027 U	0.028 U	0.027 U	0.027 U	0.027 U
PCB-1242	mg/kg	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U	0.029 U
PCB-1248	mg/kg	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U	0.029 U
PCB-1254	mg/kg	0.023 U	0.023 U	0.023 U	0.024 U	0.023 U	0.023 U	0.023 U
PCB-1260	mg/kg	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Pesticides								
4,4'-DDD	mg/kg	0.0003 U	0.00031 U	0.0003 U	0.00031 U	0.0003 U	0.000331 UJ	0.000323 U
4,4'-DDE	mg/kg	0.0003 U	0.00031 U	0.0003 U	0.00031 U	0.0003 U	0.000331 UJ	0.000323 U
4,4'-DDT	mg/kg	0.0005 J	0.00061 J	0.00061 J	0.00051 U	0.00051 U	0.000331 UJ	0.000323 U
Aldrin	mg/kg	0.0005 U	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.000331 UJ	0.000323 U
alpha-BHC	mg/kg	0.00061 U	0.00061 U	0.00061 U	0.00061 U	0.00061 U	0.000331 UJ	0.000323 U
alpha-Chlordane	mg/kg	0.0003 U	0.00031 U	0.0003 U	0.00031 U	0.0003 U	0.000331 UJ	0.000323 U
beta-BHC	mg/kg	0.00061 U	0.00061 U	0.00061 U	0.00061 U	0.00061 U	0.000331 UJ	0.000323 U
Chlordane	mg/kg	0.004 U	0.0041 U	0.004 U	0.0041 U	0.0041 U		
delta-BHC	mg/kg	0.0003 U	0.00031 U	0.0003 U	0.00031 U	0.0003 U	0.000331 UJ	0.000323 U
Dieldrin	mg/kg	0.0003 U	0.00031 U	0.0003 U	0.00031 U	0.0003 U	0.000331 UJ	0.000323 U
Endosulfan I	mg/kg	0.00071 U	0.00071 U	0.00071 U	0.00072 U	0.00071 U	0.000331 UJ	0.000323 U
Endosulfan II	mg/kg	0.00091 J	0.00031 U	0.0003 U	0.00031 U	0.0003 U	0.000331 UJ	0.000323 U
Endosulfan Sulfate	mg/kg	0.00091 U	0.00092 U	0.00091 U	0.00092 U	0.00091 U	0.000331 UJ	0.000323 U
Endrin	mg/kg	0.0004 U	0.00041 U	0.0004 U	0.00041 U	0.00041 U	0.000331 UJ	0.000323 U
Endrin Aldehyde	mg/kg	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.000331 UJ	0.000323 U
Endrin Ketone	mg/kg	0.00081 U	0.00081 U	0.00081 U	0.00082 U	0.00081 U	0.000331 UJ	0.000323 U
gamma-Chlordane	mg/kg	0.0003 U	0.0015 J	0.0003 U	0.0049 J	0.0058 J	0.000331 UJ	0.000323 U
Heptachlor	mg/kg	0.0073 J	0.0058 J	0.0014 J	0.0015 J	0.0025 J	0.000331 UJ	0.000323 U
Heptachlor Epoxide	mg/kg	0.00061 J	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.000331 UJ	0.000323 U
Lindane	mg/kg	0.0005 U	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.000331 UJ	0.000323 U
Methoxychlor	mg/kg	0.00071 U	0.00071 U	0.00071 U	0.00072 U	0.00071 U	0.000331 UJ	0.000323 U
Toxaphene	mg/kg	0.005 U	0.0051 U	0.0051 U	0.0051 U	0.0051 U	0.0168 UJ	0.0163 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) PCBs/Pesticides
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		OD1gd-005	OD1gd-005	OD1gd-006	OD1gd-010	OD1gd-010
Sample Number		OD1gd-005-0001-SO	OD1gd-005-0002-SO	OD1gd-006-0001-SO	OD1gd-010-0001-FD	OD1gd-010-0001-SO
Sample Date		11/16/2000	11/16/2000	11/1/2000	6/28/2001	6/28/2001
Sample Purpose		REG	REG	REG	FD	REG
DEPTH		0 - 4 ft	0 - 8 ft	4 - 4 ft	4 - 4 ft	0 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
PCBS						
Aroclor 1262	mg/kg					
Aroclor 1268	mg/kg					
PCB-1016	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCB-1221	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCB-1232	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCB-1242	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCB-1248	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCB-1254	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCB-1260	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pesticides						
4,4'-DDD	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
4,4'-DDE	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
4,4'-DDT	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Aldrin	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
alpha-BHC	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
alpha-Chlordane	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
beta-BHC	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlordane	mg/kg					
delta-BHC	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dieldrin	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endosulfan I	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Endosulfan II	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endosulfan Sulfate	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endrin	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endrin Aldehyde	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endrin Ketone	mg/kg	0.002 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
gamma-Chlordane	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Heptachlor	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Heptachlor Epoxide	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Lindane	mg/kg	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methoxychlor	mg/kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Toxaphene	mg/kg	0.02 U	0.021 U	0.02 U	0.02 U	0.02 U

bgs denotes below ground surface
BHC denotes benzene hexachloride
DA1 denotes Open Demolition Area #1
DDD denotes dichlorodiphenyldichloroethane
DDE denotes dichlorodiphenyldichloroethylene
DDT denotes dichlorodiphenyltrichloroethane
FD denotes field duplicate
ft denotes foot/feet
gd denotes grid
J denotes estimated concentration
mg/kg denotes milligrams per kilogram
OD1 denotes Open Demolition Area #1
PCB denotes polychlorinated biphenyl
SB denotes soil boring
so denotes subsurface soil
SO denotes soil
U denotes not detected
VQ denotes validation qualifier

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-007	DA1-020	DA1-023	DA1-023	DA1-029	DA1-040	DA1SB-059
Sample Number		DA1so-007-0014-SO	DA1so-020-0049-SO	DA1so-023-0058-SO	DA1so-023-0059-SO	DA1so-029-0077-SO	DA1so-040-0110-SO	DA1SB-059M-0201-SO
Sample Date		10/20/1999	10/22/1999	10/25/1999	10/25/1999	10/26/1999	11/3/1999	9/23/2010
Sample Purpose		REG	REG	REG	REG	REG	REG	REG
DEPTH		1 - 3 ft	1 - 3 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	1 - 3 ft	5 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Semivolatiles								
1,2,4-Trichlorobenzene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.021 U
1,2-Dichlorobenzene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.025 U
1,3-Dichlorobenzene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.02 U
1,4-Dichlorobenzene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.019 U
2,4,5-Trichlorophenol	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.13 U
2,4,6-Trichlorophenol	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.13 U
2,4-Dichlorophenol	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.12 U
2,4-Dimethylphenol	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.1 U
2,4-Dinitrophenol	mg/kg	0.96 U	0.97 UJ	0.96 UJ	0.97 UJ	1.1 UJ	1 U	0.7 U
2,4-Dinitrotoluene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.025 U
2,6-Dinitrotoluene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.025 U
2-Chloronaphthalene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.023 U
2-Chlorophenol	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.35 U
2-Methylnaphthalene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.026 U
2-Nitroaniline	mg/kg	0.96 U	0.97 UJ	0.96 U	0.97 U	1.1 U	1 U	0.023 U
2-Nitrophenol	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.29 U
3,3'-Dichlorobenzidine	mg/kg	0.4 R	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.15 U
3-Nitroaniline	mg/kg	0.96 U	0.97 UJ	0.96 U	0.97 U	1.1 U	1 U	0.022 U
4,6-Dinitro-2-Methylphenol	mg/kg	0.96 U	0.97 UJ	0.96 U	0.97 U	1.1 U	1 U	0.28 U
4-Bromophenyl Phenyl Ether	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.026 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1-007**	**DA1-020**	**DA1-023**	**DA1-023**	**DA1-029**	**DA1-040**	**DA1SB-059**
	Sample Number	**DA1so-007-0014-SO**	**DA1so-020-0049-SO**	**DA1so-023-0058-SO**	**DA1so-023-0059-SO**	**DA1so-029-0077-SO**	**DA1so-040-0110-SO**	**DA1SB-059M-0201-SO**
	Sample Date	**10/20/1999**	**10/22/1999**	**10/25/1999**	**10/25/1999**	**10/26/1999**	**11/3/1999**	**9/23/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**1 - 3 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**1 - 3 ft**	**5 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
4-Chloro-3-Methylphenol	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.39 U
4-Chloroaniline	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.04 U
4-Chlorophenyl Phenyl Ether	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.027 U
4-Methylphenol	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	
4-Nitrobenzenamine	mg/kg	0.96 U	0.97 UJ	0.96 U	0.97 U	1.1 U	1 U	0.031 U
4-Nitrophenol	mg/kg	0.96 U	0.97 UJ	0.96 U	0.97 U	1.1 U	1 U	0.41 U
Acenaphthene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.025 U
Acenaphthylene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.025 U
Anthracene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.025 U
Benzo(a)anthracene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.026 U
Benzo(a)pyrene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.023 U
Benzo(b)fluoranthene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.026 U
Benzo(ghi)perylene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.022 U
Benzo(k)fluoranthene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.026 U
Benzoic Acid	mg/kg							0.3 U
Benzyl Alcohol	mg/kg							0.085 U
Bis(2-Chloroethoxy)methane	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.023 U
Bis(2-Chloroethyl)ether	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.026 U
Bis(2-Chloroisopropyl)ether	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.031 U
Bis(2-Ethylhexyl)phthalate	mg/kg	0.4 U	0.044 J	0.4 U	0.4 U	0.44 U	0.43 U	0.089 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1-007	DA1-020	DA1-023	DA1-023	DA1-029	DA1-040	DA1SB-059
Sample Number		DA1so-007-0014-SO	DA1so-020-0049-SO	DA1so-023-0058-SO	DA1so-023-0059-SO	DA1so-029-0077-SO	DA1so-040-0110-SO	DA1SB-059M-0201-SO
Sample Date		10/20/1999	10/22/1999	10/25/1999	10/25/1999	10/26/1999	11/3/1999	9/23/2010
Sample Purpose		REG	REG	REG	REG	REG	REG	REG
DEPTH		1 - 3 ft	1 - 3 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	1 - 3 ft	5 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Butyl Benzyl Phthalate	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.075 U
Carbazole	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.029 U
Chrysene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.026 U
Cresols (Total)	mg/kg							0.66 U
Dibenzo(a,h)anthracene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.022 U
Dibenzofuran	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.025 U
Diethyl Phthalate	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.065 U
Dimethyl Phthalate	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.064 U
Di-n-Butyl Phthalate	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.11 J
Di-n-Octyl Phthalate	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.06 U
Fluoranthene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.027 U
Fluorene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.026 U
Hexachlorobenzene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.029 U
Hexachlorobutadiene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.063 U
Hexachlorocyclopentadiene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.053 U
Hexachloroethane	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.034 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.023 U
Isophorone	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.051 U
Naphthalene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.021 U
Nitrobenzene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.06 U
N-Nitroso-di-n-Propylamine	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.072 U
N-Nitrosodiphenylamine	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.051 U
o-Cresol	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.43 U
Pentachlorophenol	mg/kg	0.96 U	0.97 UJ	0.96 U	0.97 U	1.1 U	1 U	0.25 U
Phenanthrene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.027 U
Phenol	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.44 U	0.43 U	0.16 U
Pyrene	mg/kg	0.4 U	0.4 UJ	0.4 U	0.4 U	0.44 U	0.43 U	0.027 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1SB-064	DA1SB-068	DA1SB-068	DA1SB-069	DA1SB-070	DA1SB-071	DA1SB-072
Sample Number		DA1SB-064M-0201-SO	DA1SB-068M-0201-SO	DA1SB-084M-0201-SO	DA1SB-069M-0201-SO	DA1SB-070M-0203-SO	DA1SB-071M-0201-SO	DA1SB-072M-0201-SO
Sample Date		9/23/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
Sample Purpose		REG	REG	FD	REG	REG	REG	REG
DEPTH		4 - 8 ft	1 - 4 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	4 - 8 ft	2 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Semivolatiles								
1,2,4-Trichlorobenzene	mg/kg	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U
1,2-Dichlorobenzene	mg/kg	0.025 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
1,3-Dichlorobenzene	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,4-Dichlorobenzene	mg/kg	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
2,4,5-Trichlorophenol	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4,6-Trichlorophenol	mg/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dichlorophenol	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,4-Dimethylphenol	mg/kg	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U
2,4-Dinitrophenol	mg/kg	0.71 U	0.7 U	0.7 U	0.69 U	0.7 U	0.7 U	0.7 U
2,4-Dinitrotoluene	mg/kg	0.025 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
2,6-Dinitrotoluene	mg/kg	0.025 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
2-Chloronaphthalene	mg/kg	0.024 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U
2-Chlorophenol	mg/kg	0.35 U	0.34 U	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U
2-Methylnaphthalene	mg/kg	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.053 J
2-Nitroaniline	mg/kg	0.024 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U
2-Nitrophenol	mg/kg	0.29 U	0.28 U	0.28 U	0.28 U	0.29 U	0.28 U	0.28 U
3,3'-Dichlorobenzidine	mg/kg	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
3-Nitroaniline	mg/kg	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
4,6-Dinitro-2-Methylphenol	mg/kg	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
4-Bromophenyl Phenyl Ether	mg/kg	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1SB-064	DA1SB-068	DA1SB-068	DA1SB-069	DA1SB-070	DA1SB-071	DA1SB-072
Sample Number		DA1SB-064M-0201-SO	DA1SB-068M-0201-SO	DA1SB-084M-0201-SO	DA1SB-069M-0201-SO	DA1SB-070M-0203-SO	DA1SB-071M-0201-SO	DA1SB-072M-0201-SO
Sample Date		9/23/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
Sample Purpose		REG	REG	FD	REG	REG	REG	REG
DEPTH		4 - 8 ft	1 - 4 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	4 - 8 ft	2 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
4-Chloro-3-Methylphenol	mg/kg	0.39 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.38 U
4-Chloroaniline	mg/kg	0.04 U	0.039 U	0.039 U	0.039 U	0.04 U	0.039 U	0.039 U
4-Chlorophenyl Phenyl Ether	mg/kg	0.027 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U
4-Methylphenol	mg/kg							
4-Nitrobenzenamine	mg/kg	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.03 U	0.03 U
4-Nitrophenol	mg/kg	0.41 U	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U	0.4 U
Acenaphthene	mg/kg	0.025 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
Acenaphthylene	mg/kg	0.025 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
Anthracene	mg/kg	0.025 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
Benzo(a)anthracene	mg/kg	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo(a)pyrene	mg/kg	0.024 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U
Benzo(b)fluoranthene	mg/kg	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo(ghi)perylene	mg/kg	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Benzo(k)fluoranthene	mg/kg	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzoic Acid	mg/kg	0.3 U	0.29 U	0.29 U	0.29 U	0.3 U	0.29 U	0.29 U
Benzyl Alcohol	mg/kg	0.085 U	0.084 U	0.084 U	0.083 U	0.085 U	0.084 U	0.084 U
Bis(2-Chloroethoxy)methane	mg/kg	0.024 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U
Bis(2-Chloroethyl)ether	mg/kg	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Bis(2-Chloroisopropyl)ether	mg/kg	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.03 U	0.03 U
Bis(2-Ethylhexyl)phthalate	mg/kg	0.089 U	0.088 U	0.11 J	0.1 J	0.089 U	0.088 U	0.088 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1SB-064	DA1SB-068	DA1SB-068	DA1SB-069	DA1SB-070	DA1SB-071	DA1SB-072
Sample Number		DA1SB-064M-0201-SO	DA1SB-068M-0201-SO	DA1SB-084M-0201-SO	DA1SB-069M-0201-SO	DA1SB-070M-0203-SO	DA1SB-071M-0201-SO	DA1SB-072M-0201-SO
Sample Date		9/23/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
Sample Purpose		REG	REG	FD	REG	REG	REG	REG
DEPTH		4 - 8 ft	1 - 4 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	4 - 8 ft	2 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Butyl Benzyl Phthalate	mg/kg	0.075 U	0.074 U	0.074 U	0.073 U	0.074 U	0.074 U	0.074 U
Carbazole	mg/kg	0.029 U	0.028 U	0.028 U	0.028 U	0.029 U	0.028 U	0.028 U
Chrysene	mg/kg	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Cresols (Total)	mg/kg	0.66 U	0.66 U	0.66 U	0.65 U	0.66 U	0.66 U	0.66 U
Dibenzo(a,h)anthracene	mg/kg	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Dibenzofuran	mg/kg	0.025 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
Diethyl Phthalate	mg/kg	0.065 U	0.065 U	0.065 U	0.064 U	0.065 U	0.065 U	0.065 U
Dimethyl Phthalate	mg/kg	0.064 U	0.064 U	0.064 U	0.063 U	0.064 U	0.064 U	0.064 U
Di-n-Butyl Phthalate	mg/kg	0.1 J	0.085 J	0.08 U	0.11 J	0.082 J	0.093 J	0.08 U
Di-n-Octyl Phthalate	mg/kg	0.06 U	0.06 U	0.06 U	0.059 U	0.06 U	0.06 U	0.06 U
Fluoranthene	mg/kg	0.027 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U
Fluorene	mg/kg	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Hexachlorobenzene	mg/kg	0.029 U	0.028 U	0.028 U	0.028 U	0.029 U	0.028 U	0.028 U
Hexachlorobutadiene	mg/kg	0.063 U	0.063 U	0.063 U	0.062 U	0.063 U	0.063 U	0.063 U
Hexachlorocyclopentadiene	mg/kg	0.053 U	0.052 U	0.053 U	0.052 U	0.053 U	0.053 U	0.053 U
Hexachloroethane	mg/kg	0.034 U	0.033 U	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.024 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U
Isophorone	mg/kg	0.051 U	0.05 U	0.074 J	0.05 U	0.051 U	0.054 J	0.051 U
Naphthalene	mg/kg	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U
Nitrobenzene	mg/kg	0.06 U	0.06 U	0.06 U	0.059 U	0.06 U	0.06 U	0.06 U
N-Nitroso-di-n-Propylamine	mg/kg	0.072 U	0.071 U	0.071 U	0.07 U	0.071 U	0.071 U	0.071 U
N-Nitrosodiphenylamine	mg/kg	0.051 U	0.05 U	0.051 U	0.05 U	0.051 U	0.051 U	0.051 U
o-Cresol	mg/kg	0.43 U	0.42 U	0.42 U	0.42 U	0.43 U	0.42 U	0.42 U
Pentachlorophenol	mg/kg	0.25 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Phenanthrene	mg/kg	0.027 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U
Phenol	mg/kg	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Pyrene	mg/kg	0.027 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1SB-073	DA1SB-074	OD1gd-005	OD1gd-005	OD1gd-006	OD1gd-010	OD1gd-010
	Sample Number	DA1SB-073M-0201-SO	DA1SB-074M-0202-SO	OD1gd-005-0001-SO	OD1gd-005-0002-SO	OD1gd-006-0001-SO	OD1gd-010-0001-FD	OD1gd-010-0001-SO
	Sample Date	11/10/2010	11/10/2010	11/16/2000	11/16/2000	11/1/2000	6/28/2001	6/28/2001
	Sample Purpose	REG	REG	REG	REG	REG	FD	REG
	DEPTH	1 - 4 ft	4 - 8 ft	0 - 4 ft	0 - 8 ft	4 - 4 ft	4 - 4 ft	0 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Semivolatiles								
1,2,4-Trichlorobenzene	mg/kg	0.021 U	0.021 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
1,2-Dichlorobenzene	mg/kg	0.024 U	0.024 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
1,3-Dichlorobenzene	mg/kg	0.02 U	0.02 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
1,4-Dichlorobenzene	mg/kg	0.019 U	0.019 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	mg/kg	0.13 U	0.13 U	1 U	1 U	1 U	2 U	2.1 U
2,4,6-Trichlorophenol	mg/kg	0.13 U	0.13 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
2,4-Dichlorophenol	mg/kg	0.12 U	0.12 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
2,4-Dimethylphenol	mg/kg	0.1 U	0.1 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
2,4-Dinitrophenol	mg/kg	0.69 U	0.7 U	1 U	1 U	1 U	2 U	2.1 U
2,4-Dinitrotoluene	mg/kg	0.024 U	0.024 U					
2,6-Dinitrotoluene	mg/kg	0.024 U	0.024 U					
2-Chloronaphthalene	mg/kg	0.023 U	0.023 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
2-Chlorophenol	mg/kg	0.34 U	0.34 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
2-Methylnaphthalene	mg/kg	0.025 U	0.025 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
2-Nitroaniline	mg/kg	0.023 U	0.023 U	1 U	1 U	1 U	2 U	2.1 U
2-Nitrophenol	mg/kg	0.28 U	0.28 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
3,3'-Dichlorobenzidine	mg/kg	0.15 U	0.15 U	0.4 U	0.42 U	0.41 U	0.8 U	0.81 U
3-Nitroaniline	mg/kg	0.022 U	0.022 U	1 U	1 U	1 U	2 U	2.1 U
4,6-Dinitro-2-Methylphenol	mg/kg	0.27 U	0.27 U	1 U	1 U	1 U	2 U	2.1 U
4-Bromophenyl Phenyl Ether	mg/kg	0.025 U	0.025 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**DA1SB-073**	**DA1SB-074**	**OD1gd-005**	**OD1gd-005**	**OD1gd-006**	**OD1gd-010**	**OD1gd-010**
Sample Number		**DA1SB-073M-0201-SO**	**DA1SB-074M-0202-SO**	**OD1gd-005-0001-SO**	**OD1gd-005-0002-SO**	**OD1gd-006-0001-SO**	**OD1gd-010-0001-FD**	**OD1gd-010-0001-SO**
Sample Date		**11/10/2010**	**11/10/2010**	**11/16/2000**	**11/16/2000**	**11/1/2000**	**6/28/2001**	**6/28/2001**
Sample Purpose		**REG**	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**
DEPTH		**1 - 4 ft**	**4 - 8 ft**	**0 - 4 ft**	**0 - 8 ft**	**4 - 4 ft**	**4 - 4 ft**	**0 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
4-Chloro-3-Methylphenol	mg/kg	0.38 U	0.38 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
4-Chloroaniline	mg/kg	0.039 UJ	0.039 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
4-Chlorophenyl Phenyl Ether	mg/kg	0.026 U	0.026 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
4-Methylphenol	mg/kg			0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
4-Nitrobenzenamine	mg/kg	0.03 U	0.03 U	1 U	1 U	1 U	2 U	2.1 U
4-Nitrophenol	mg/kg	0.4 U	0.4 U	1 U	1 U	1 U	2 U	2.1 U
Acenaphthene	mg/kg	0.024 U	0.024 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Acenaphthylene	mg/kg	0.024 U	0.024 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Anthracene	mg/kg	0.024 U	0.024 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Benzo(a)anthracene	mg/kg	0.025 U	0.025 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Benzo(a)pyrene	mg/kg	0.023 U	0.023 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Benzo(b)fluoranthene	mg/kg	0.025 U	0.025 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Benzo(ghi)perylene	mg/kg	0.022 U	0.022 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Benzo(k)fluoranthene	mg/kg	0.025 U	0.025 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Benzoic Acid	mg/kg	0.29 U	0.29 U					
Benzyl Alcohol	mg/kg	0.083 U	0.084 U					
Bis(2-Chloroethoxy)methane	mg/kg	0.023 U	0.023 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Bis(2-Chloroethyl)ether	mg/kg	0.025 U	0.025 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Bis(2-Chloroisopropyl)ether	mg/kg	0.03 U	0.03 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Bis(2-Ethylhexyl)phthalate	mg/kg	0.21 J	2.7	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U

Appendix C
Analytical Results
Remaining 1999 Phase I RI/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) SVOCs
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		DA1SB-073	DA1SB-074	OD1gd-005	OD1gd-005	OD1gd-006	OD1gd-010	OD1gd-010
Sample Number		DA1SB-073M-0201-SO	DA1SB-074M-0202-SO	OD1gd-005-0001-SO	OD1gd-005-0002-SO	OD1gd-006-0001-SO	OD1gd-010-0001-FD	OD1gd-010-0001-SO
Sample Date		11/10/2010	11/10/2010	11/16/2000	11/16/2000	11/1/2000	6/28/2001	6/28/2001
Sample Purpose		REG	REG	REG	REG	REG	FD	REG
DEPTH		1 - 4 ft	4 - 8 ft	0 - 4 ft	0 - 8 ft	4 - 4 ft	4 - 4 ft	0 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Butyl Benzyl Phthalate	mg/kg	0.073 U	0.074 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Carbazole	mg/kg	0.028 U	0.028 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Chrysene	mg/kg	0.025 U	0.025 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Cresols (Total)	mg/kg	0.65 U	0.66 U					
Dibenzo(a,h)anthracene	mg/kg	0.022 U	0.022 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Dibenzofuran	mg/kg	0.024 U	0.024 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Diethyl Phthalate	mg/kg	0.064 U	0.065 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Dimethyl Phthalate	mg/kg	0.063 U	0.064 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Di-n-Butyl Phthalate	mg/kg	0.079 U	0.092 J	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Di-n-Octyl Phthalate	mg/kg	0.059 U	0.059 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Fluoranthene	mg/kg	0.026 U	0.026 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Fluorene	mg/kg	0.025 U	0.025 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Hexachlorobenzene	mg/kg	0.028 U	0.028 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Hexachlorobutadiene	mg/kg	0.062 U	0.062 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Hexachlorocyclopentadiene	mg/kg	0.052 U	0.052 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Hexachloroethane	mg/kg	0.033 U	0.033 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.023 U	0.023 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Isophorone	mg/kg	0.05 U	0.05 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Naphthalene	mg/kg	0.021 U	0.021 U	0.4 U	0.12 J	0.41 U	0.39 U	0.4 U
Nitrobenzene	mg/kg	0.059 U	0.059 U					
N-Nitroso-di-n-Propylamine	mg/kg	0.07 U	0.071 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
N-Nitrosodiphenylamine	mg/kg	0.05 U	0.05 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
o-Cresol	mg/kg	0.42 U	0.42 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Pentachlorophenol	mg/kg	0.24 U	0.24 U	1 U	1 U	1 U	2 U	2.1 U
Phenanthrene	mg/kg	0.026 U	0.026 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Phenol	mg/kg	0.16 U	0.16 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U
Pyrene	mg/kg	0.026 U	0.026 U	0.4 U	0.42 U	0.41 U	0.39 U	0.4 U

bgs denotes below ground surface
DA1 denotes Open Demolition Area #1
FD denotes field duplicate
ft denotes foot/feet
gd denotes grid
J denotes estimated concentration
mg/kg denotes milligrams per kilogram
OD1 denotes Open Demolition Area #1
R denotes rejected
SB denotes soil boring
so denotes subsurface soil
SO denotes soil
SVOCs denotes semivolatile organic compounds
U denotes not detected
VQ denotes validation qualifier

Appendix C
Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	DA1-007	DA1-020	DA1-023	DA1-023	DA1-029	DA1-042	DA1SB-059
	Sample Number	DA1so-007-0014-SO	DA1so-020-0049-SO	DA1so-023-0058-SO	DA1so-023-0059-SO	DA1so-029-0077-SO	DA1so-042-0116-SO	DA1SB-059D-0201-SO
	Sample Date	10/20/1999	10/22/1999	10/25/1999	10/25/1999	10/26/1999	11/3/1999	9/23/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG	REG
	DEPTH	1 - 3 ft	1 - 3 ft	1 - 3 ft	3 - 5 ft	1 - 3 ft	3 - 5 ft	5 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Volatiles								
1,1,1-Trichloroethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.011 U
1,1,2,2-Tetrachloroethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0064 U
1,1,2-Trichloroethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0086 U
1,1-Dichloroethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.012 U
1,1-Dichloroethylene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.017 U
1,2-Dibromoethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.011 U
1,2-Dichloroethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.013 U
1,2-Dichloroethylene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	
1,2-Dichloropropane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0075 U
1,2-Dimethylbenzene	mg/kg							0.0086 U
2-Hexanone	mg/kg	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.073 U
Acetone	mg/kg	0.012 UJ	0.015 J	0.012 UJ	0.012 UJ	0.013 UJ	0.0042 J	0.067 U
Benzene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0053 U
Bromochloromethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0086 U
Bromodichloromethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0096 U
Bromoform	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0064 U
Bromomethane	mg/kg	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.032 U
Carbon Disulfide	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.016 U
Carbon Tetrachloride	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.012 U

Appendix C
Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	**DA1-007**	**DA1-020**	**DA1-023**	**DA1-023**	**DA1-029**	**DA1-042**	**DA1SB-059**
	Sample Number	**DA1so-007-0014-SO**	**DA1so-020-0049-SO**	**DA1so-023-0058-SO**	**DA1so-023-0059-SO**	**DA1so-029-0077-SO**	**DA1so-042-0116-SO**	**DA1SB-059D-0201-SO**
	Sample Date	**10/20/1999**	**10/22/1999**	**10/25/1999**	**10/25/1999**	**10/26/1999**	**11/3/1999**	**9/23/2010**
	Sample Purpose	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**1 - 3 ft**	**1 - 3 ft**	**1 - 3 ft**	**3 - 5 ft**	**1 - 3 ft**	**3 - 5 ft**	**5 - 8 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Chlorobenzene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0086 U
Chloroethane	mg/kg	0.012 U	0.012 UJ	0.012 U	0.012 U	0.013 U	0.012 U	0.02 U
Chloroform	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0096 U
Chloromethane	mg/kg	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.027 U
cis-1,2-Dichloroethene	mg/kg							0.011 U
cis-1,3-Dichloropropene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.011 U
Dibromochloromethane	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0086 U
Ethylbenzene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0086 U
Methyl Ethyl Ketone	mg/kg	0.012 UJ	0.012 U	0.012 U	0.012 UJ	0.013 U	0.012 U	0.11 U
Methyl Isobutyl Ketone	mg/kg	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.088 U
Methylene Chloride	mg/kg	0.001 J	0.0071 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.043 U
Styrene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0007 J	0.0064 U
Tetrachloroethylene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0086 U
Toluene	mg/kg	0.0016 J	0.0081 =	0.006 U	0.0053 J	0.0067 U	0.0045 J	0.0075 U
trans-1,2-Dichloroethene	mg/kg							0.012 U
trans-1,3-Dichloropropene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.0075 U
Trichloroethylene	mg/kg	0.006 U	0.0061 U	0.006 U	0.0061 U	0.0067 U	0.0059 U	0.011 U
Vinyl Chloride	mg/kg	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.015 U
Xylene, (Total)	mg/kg	0.006 U	0.0061 U	0.006 U	0.0013 J	0.0067 U	0.0059 U	0.019 U

Appendix C
Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	DA1SB-064	DA1SB-067	DA1SB-067	DA1SB-067	DA1SB-067	DA1SB-068	DA1SB-068
	Sample Number	DA1SB-064D-0201-SO	DA1SB-067D-0201-SO	DA1SB-067D-0202-SO	DA1SB-067D-0203-SO	DA1SB-067D-0204-SO	DA1SB-068D-0201-SO	DA1SB-068D-0202-SO
	Sample Date	9/23/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG	REG
	DEPTH	4 - 8 ft	2 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Volatiles								
1,1,1-Trichloroethane	mg/kg	0.0097 U	0.012 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U
1,1,2,2-Tetrachloroethane	mg/kg	0.0058 U	0.0074 U	0.0063 U	0.0061 U	0.0066 U	0.0062 U	0.0061 U
1,1,2-Trichloroethane	mg/kg	0.0077 U	0.0099 U	0.0084 U	0.0082 U	0.0087 U	0.0083 U	0.0081 U
1,1-Dichloroethane	mg/kg	0.011 U	0.014 U	0.012 U	0.011 U	0.012 U	0.011 U	0.011 U
1,1-Dichloroethylene	mg/kg	0.015 U	0.02 U	0.017 U	0.016 U	0.017 U	0.017 U	0.016 U
1,2-Dibromoethane	mg/kg	0.0097 U	0.012 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U
1,2-Dichloroethane	mg/kg	0.012 U	0.015 U	0.013 U	0.012 U	0.013 U	0.012 U	0.012 U
1,2-Dichloroethylene	mg/kg							
1,2-Dichloropropane	mg/kg	0.0068 U	0.0086 U	0.0073 U	0.0071 U	0.0076 U	0.0073 U	0.0071 U
1,2-Dimethylbenzene	mg/kg	0.0077 U	0.0099 U	0.0084 U	0.0082 U	0.0087 U	0.0083 U	0.0081 U
2-Hexanone	mg/kg	0.066 U	0.084 U	0.071 U	0.069 U	0.074 U	0.07 U	0.069 U
Acetone	mg/kg	0.061 U	0.078 U	0.066 U	0.064 U	0.069 U	0.065 U	0.064 U
Benzene	mg/kg	0.0048 U	0.0062 U	0.0052 U	0.0051 U	0.0055 U	0.0052 U	0.0051 U
Bromochloromethane	mg/kg	0.0077 U	0.0099 U	0.0084 U	0.0082 U	0.0087 U	0.0083 U	0.0081 U
Bromodichloromethane	mg/kg	0.0087 U	0.011 U	0.0094 U	0.0092 U	0.0098 U	0.0093 U	0.0091 U
Bromoform	mg/kg	0.0058 U	0.0074 U	0.0063 U	0.0061 U	0.0066 U	0.0062 U	0.0061 U
Bromomethane	mg/kg	0.029 U	0.037 U	0.031 U	0.031 U	0.033 U	0.031 U	0.03 U
Carbon Disulfide	mg/kg	0.015 U	0.019 U	0.016 U	0.015 U	0.016 U	0.016 U	0.015 U
Carbon Tetrachloride	mg/kg	0.011 U	0.014 U	0.012 U	0.011 U	0.012 U	0.011 U	0.011 U

Appendix C
Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	DA1SB-064	DA1SB-067	DA1SB-067	DA1SB-067	DA1SB-067	DA1SB-068	DA1SB-068
	Sample Number	DA1SB-064D-0201-SO	DA1SB-067D-0201-SO	DA1SB-067D-0202-SO	DA1SB-067D-0203-SO	DA1SB-067D-0204-SO	DA1SB-068D-0201-SO	DA1SB-068D-0202-SO
	Sample Date	9/23/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
	Sample Purpose	REG	REG	REG	REG	REG	REG	REG
	DEPTH	4 - 8 ft	2 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft
Parameter	Units	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ
Chlorobenzene	mg/kg	0.0077 U	0.0099 U	0.0084 U	0.0082 U	0.0087 U	0.0083 U	0.0081 U
Chloroethane	mg/kg	0.018 U	0.023 U	0.02 U	0.019 U	0.021 U	0.02 U	0.019 U
Chloroform	mg/kg	0.0087 U	0.011 U	0.0094 U	0.0092 U	0.0098 U	0.0093 U	0.0091 U
Chloromethane	mg/kg	0.024 U	0.031 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
cis-1,2-Dichloroethene	mg/kg	0.0097 U	0.012 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U
cis-1,3-Dichloropropene	mg/kg	0.0097 U	0.012 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U
Dibromochloromethane	mg/kg	0.0077 U	0.0099 U	0.0084 U	0.0082 U	0.0087 U	0.0083 U	0.0081 U
Ethylbenzene	mg/kg	0.0077 U	0.0099 U	0.0084 U	0.0082 U	0.0087 U	0.0083 U	0.0081 U
Methyl Ethyl Ketone	mg/kg	0.097 U	0.12 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Methyl Isobutyl Ketone	mg/kg	0.079 U	0.1 U	0.086 U	0.084 U	0.09 U	0.085 U	0.083 U
Methylene Chloride	mg/kg	0.039 U	0.049 U	0.042 U	0.041 U	0.044 U	0.041 U	0.04 U
Styrene	mg/kg	0.0058 U	0.0074 U	0.0063 U	0.0061 U	0.0066 U	0.0062 U	0.0061 U
Tetrachloroethylene	mg/kg	0.0077 U	0.0099 U	0.0084 U	0.0082 U	0.0087 U	0.0083 U	0.0081 U
Toluene	mg/kg	0.0068 U	0.0086 U	0.0073 U	0.0071 U	0.0076 U	0.0073 U	0.0071 U
trans-1,2-Dichloroethene	mg/kg	0.011 U	0.014 U	0.012 U	0.011 U	0.012 U	0.011 U	0.011 U
trans-1,3-Dichloropropene	mg/kg	0.0068 U	0.0086 U	0.0073 U	0.0071 U	0.0076 U	0.0073 U	0.0071 U
Trichloroethylene	mg/kg	0.0097 U	0.012 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U
Vinyl Chloride	mg/kg	0.014 U	0.017 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
Xylene, (Total)	mg/kg	0.017 U	0.022 U	0.019 U	0.018 U	0.02 U	0.019 U	0.018 U

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Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	DA1SB-068	DA1SB-068	DA1SB-068	DA1SB-069	DA1SB-069	DA1SB-069	DA1SB-070
	Sample Number	DA1SB-068D-0203-SO	DA1SB-068D-0204-SO	DA1SB-084D-0201-SO	DA1SB-069D-0201-SO	DA1SB-069D-0202-SO	DA1SB-069D-0203-SO	DA1SB-070D-0201-SO
	Sample Date	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
	Sample Purpose	REG	REG	FD	REG	REG	REG	REG
	DEPTH	8 - 12 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	1 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Volatiles								
1,1,1-Trichloroethane	mg/kg	0.011 U	0.013 U	0.011 U	0.012 U	0.0099 U	0.01 U	0.012 U
1,1,2,2-Tetrachloroethane	mg/kg	0.0066 U	0.0079 U	0.0064 U	0.007 U	0.0059 U	0.006 U	0.0069 U
1,1,2-Trichloroethane	mg/kg	0.0087 U	0.011 U	0.0085 U	0.0093 U	0.0079 U	0.008 U	0.0093 U
1,1-Dichloroethane	mg/kg	0.012 U	0.015 U	0.012 U	0.013 U	0.011 U	0.011 U	0.013 U
1,1-Dichloroethylene	mg/kg	0.017 U	0.021 U	0.017 U	0.019 U	0.016 U	0.016 U	0.019 U
1,2-Dibromoethane	mg/kg	0.011 U	0.013 U	0.011 U	0.012 U	0.0099 U	0.01 U	0.012 U
1,2-Dichloroethane	mg/kg	0.013 U	0.016 U	0.013 U	0.014 U	0.012 U	0.012 U	0.014 U
1,2-Dichloroethylene	mg/kg							
1,2-Dichloropropane	mg/kg	0.0077 U	0.0092 U	0.0074 U	0.0081 U	0.0069 U	0.007 U	0.0081 U
1,2-Dimethylbenzene	mg/kg	0.0087 U	0.011 U	0.0085 U	0.0093 U	0.0079 U	0.008 U	0.0093 U
2-Hexanone	mg/kg	0.074 U	0.09 U	0.072 U	0.079 U	0.067 U	0.068 U	0.079 U
Acetone	mg/kg	0.069 U	0.083 U	0.067 U	0.073 U	0.062 U	0.063 U	0.073 U
Benzene	mg/kg	0.0055 U	0.0066 U	0.0053 U	0.0058 U	0.0049 U	0.005 U	0.0058 U
Bromochloromethane	mg/kg	0.0087 U	0.011 U	0.0085 U	0.0093 U	0.0079 U	0.008 U	0.0093 U
Bromodichloromethane	mg/kg	0.0098 U	0.012 U	0.0095 U	0.01 U	0.0089 U	0.009 U	0.01 U
Bromoform	mg/kg	0.0066 U	0.0079 U	0.0064 U	0.007 U	0.0059 U	0.006 U	0.0069 U
Bromomethane	mg/kg	0.033 U	0.04 U	0.032 U	0.035 U	0.03 U	0.03 U	0.035 U
Carbon Disulfide	mg/kg	0.016 U	0.02 U	0.016 U	0.017 U	0.015 U	0.015 U	0.017 U
Carbon Tetrachloride	mg/kg	0.012 U	0.015 U	0.012 U	0.013 U	0.011 U	0.011 U	0.013 U

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Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	DA1SB-068	DA1SB-068	DA1SB-068	DA1SB-069	DA1SB-069	DA1SB-069	DA1SB-070
	Sample Number	DA1SB-068D-0203-SO	DA1SB-068D-0204-SO	DA1SB-084D-0201-SO	DA1SB-069D-0201-SO	DA1SB-069D-0202-SO	DA1SB-069D-0203-SO	DA1SB-070D-0201-SO
	Sample Date	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010	9/24/2010
	Sample Purpose	REG	REG	FD	REG	REG	REG	REG
	DEPTH	8 - 12 ft	12 - 16 ft	1 - 4 ft	4 - 8 ft	8 - 12 ft	12 - 16 ft	1 - 4 ft
Parameter	Units	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ	Result VQ
Chlorobenzene	mg/kg	0.0087 U	0.011 U	0.0085 U	0.0093 U	0.0079 U	0.008 U	0.0093 U
Chloroethane	mg/kg	0.021 U	0.025 U	0.02 U	0.022 U	0.019 U	0.019 U	0.022 U
Chloroform	mg/kg	0.0098 U	0.012 U	0.0095 U	0.01 U	0.0089 U	0.009 U	0.01 U
Chloromethane	mg/kg	0.027 U	0.033 U	0.026 U	0.029 U	0.025 U	0.025 U	0.029 U
cis-1,2-Dichloroethene	mg/kg	0.011 U	0.013 U	0.011 U	0.012 U	0.0099 U	0.01 U	0.012 U
cis-1,3-Dichloropropene	mg/kg	0.011 U	0.013 U	0.011 U	0.012 U	0.0099 U	0.01 U	0.012 U
Dibromochloromethane	mg/kg	0.0087 U	0.011 U	0.0085 U	0.0093 U	0.0079 U	0.008 U	0.0093 U
Ethylbenzene	mg/kg	0.0087 U	0.011 U	0.0085 U	0.0093 U	0.0079 U	0.008 U	0.0093 U
Methyl Ethyl Ketone	mg/kg	0.11 U	0.13 U	0.11 U	0.12 U	0.099 U	0.1 U	0.12 U
Methyl Isobutyl Ketone	mg/kg	0.09 U	0.11 U	0.087 U	0.095 U	0.081 U	0.082 U	0.095 U
Methylene Chloride	mg/kg	0.044 U	0.053 U	0.042 U	0.047 U	0.039 U	0.04 U	0.046 U
Styrene	mg/kg	0.0066 U	0.0079 U	0.0064 U	0.007 U	0.0059 U	0.006 U	0.0069 U
Tetrachloroethylene	mg/kg	0.0087 U	0.011 U	0.0085 U	0.0093 U	0.0079 U	0.008 U	0.0093 U
Toluene	mg/kg	0.0077 U	0.0092 U	0.0074 U	0.0081 U	0.0069 U	0.007 U	0.0081 U
trans-1,2-Dichloroethene	mg/kg	0.012 U	0.015 U	0.012 U	0.013 U	0.011 U	0.011 U	0.013 U
trans-1,3-Dichloropropene	mg/kg	0.0077 U	0.0092 U	0.0074 U	0.0081 U	0.0069 U	0.007 U	0.0081 U
Trichloroethylene	mg/kg	0.011 U	0.013 U	0.011 U	0.012 U	0.0099 U	0.01 U	0.012 U
Vinyl Chloride	mg/kg	0.015 U	0.018 U	0.015 U	0.016 U	0.014 U	0.014 U	0.016 U
Xylene, (Total)	mg/kg	0.02 U	0.024 U	0.019 U	0.021 U	0.018 U	0.018 U	0.021 U

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Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	DA1SB-070	DA1SB-070	DA1SB-070	DA1SB-071	DA1SB-073	DA1SB-074	OD1gd-005
	Sample Number	DA1SB-070D-0202-SO	DA1SB-070D-0203-SO	DA1SB-085D-0204-SO	DA1SB-071D-0201-SO	DA1SB-073D-0201-SO	DA1SB-074D-0203-SO	OD1gd-005-0001-SO
	Sample Date	9/24/2010	9/24/2010	9/24/2010	9/24/2010	11/10/2010	11/10/2010	11/16/2000
	Sample Purpose	REG	REG	FD	REG	REG	REG	REG
	DEPTH	4 - 8 ft	8 - 12 ft	12 - 16 ft	4 - 8 ft	1 - 4 ft	8 - 12 ft	0 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Volatiles								
1,1,1-Trichloroethane	mg/kg	0.01 U	0.0099 U	0.01 U	0.0098 U	0.011 U	0.011 U	0.006 U
1,1,2,2-Tetrachloroethane	mg/kg	0.0061 U	0.006 U	0.0063 U	0.0059 U	0.0067 U	0.0069 U	0.006 U
1,1,2-Trichloroethane	mg/kg	0.0081 U	0.008 U	0.0084 U	0.0078 U	0.0089 U	0.0092 U	0.006 U
1,1-Dichloroethane	mg/kg	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.013 U	0.006 U
1,1-Dichloroethylene	mg/kg	0.016 U	0.016 U	0.017 U	0.016 U	0.018 U	0.018 U	0.006 U
1,2-Dibromoethane	mg/kg	0.01 U	0.0099 U	0.01 U	0.0098 U	0.011 U	0.011 U	
1,2-Dichloroethane	mg/kg	0.012 U	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U	0.006 U
1,2-Dichloroethylene	mg/kg							0.006 U
1,2-Dichloropropane	mg/kg	0.0071 U	0.007 U	0.0073 U	0.0068 U	0.0078 U	0.008 U	0.006 U
1,2-Dimethylbenzene	mg/kg	0.0081 U	0.008 U	0.0084 U	0.0078 U	0.0089 U	0.0092 U	
2-Hexanone	mg/kg	0.069 U	0.068 U	0.071 U	0.066 U	0.076 U	0.078 U	0.006 U
Acetone	mg/kg	0.064 U	0.063 U	0.066 U	0.061 U	0.24	0.21 U	0.006 U
Benzene	mg/kg	0.0051 U	0.005 U	0.0052 U	0.0049 U	0.0056 U	0.0057 U	0.006 U
Bromochloromethane	mg/kg	0.0081 U	0.008 U	0.0084 U	0.0078 U	0.0089 U	0.0092 U	
Bromodichloromethane	mg/kg	0.0092 U	0.0089 U	0.0094 U	0.0088 U	0.01 U	0.01 U	0.006 U
Bromoform	mg/kg	0.0061 U	0.006 U	0.0063 U	0.0059 U	0.0067 U	0.0069 U	0.006 U
Bromomethane	mg/kg	0.031 U	0.03 U	0.031 U	0.029 U	0.033 U	0.034 U	0.006 U
Carbon Disulfide	mg/kg	0.015 U	0.015 U	0.016 U	0.015 U	0.017 U	0.017 U	0.006 U
Carbon Tetrachloride	mg/kg	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.013 U	0.006 U

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Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	**DA1SB-070**	**DA1SB-070**	**DA1SB-070**	**DA1SB-071**	**DA1SB-073**	**DA1SB-074**	**OD1gd-005**
	Sample Number	**DA1SB-070D-0202-SO**	**DA1SB-070D-0203-SO**	**DA1SB-085D-0204-SO**	**DA1SB-071D-0201-SO**	**DA1SB-073D-0201-SO**	**DA1SB-074D-0203-SO**	**OD1gd-005-0001-SO**
	Sample Date	**9/24/2010**	**9/24/2010**	**9/24/2010**	**9/24/2010**	**11/10/2010**	**11/10/2010**	**11/16/2000**
	Sample Purpose	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**
	DEPTH	**4 - 8 ft**	**8 - 12 ft**	**12 - 16 ft**	**4 - 8 ft**	**1 - 4 ft**	**8 - 12 ft**	**0 - 4 ft**
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Chlorobenzene	mg/kg	0.0081 U	0.008 U	0.0084 U	0.0078 U	0.0089 U	0.0092 U	0.006 U
Chloroethane	mg/kg	0.019 U	0.019 U	0.02 U	0.019 U	0.021 U	0.022 U	0.006 U
Chloroform	mg/kg	0.0092 U	0.0089 U	0.0094 U	0.0088 U	0.01 U	0.01 U	0.006 U
Chloromethane	mg/kg	0.025 U	0.025 U	0.026 U	0.024 U	0.028 U	0.029 U	0.006 U
cis-1,2-Dichloroethene	mg/kg	0.01 U	0.0099 U	0.01 U	0.0098 U	0.011 U	0.011 U	
cis-1,3-Dichloropropene	mg/kg	0.01 U	0.0099 U	0.01 U	0.0098 U	0.011 U	0.011 U	0.006 U
Dibromochloromethane	mg/kg	0.0081 U	0.008 U	0.0084 U	0.0078 U	0.0089 U	0.0092 U	0.006 U
Ethylbenzene	mg/kg	0.0081 U	0.008 U	0.0084 U	0.0078 U	0.0089 U	0.0092 U	0.006 U
Methyl Ethyl Ketone	mg/kg	0.1 U	0.099 U	0.1 U	0.098 U	0.11 U	0.11 U	0.006 U
Methyl Isobutyl Ketone	mg/kg	0.083 U	0.082 U	0.086 U	0.08 U	0.091 U	0.094 U	0.006 U
Methylene Chloride	mg/kg	0.041 U	0.04 U	0.042 U	0.039 U	0.044 U	0.046 U	0.006 U
Styrene	mg/kg	0.0061 U	0.006 U	0.0063 U	0.0059 U	0.0067 U	0.0069 U	0.006 U
Tetrachloroethylene	mg/kg	0.0081 U	0.008 U	0.0084 U	0.0078 U	0.0089 U	0.0092 U	0.006 U
Toluene	mg/kg	0.0071 U	0.007 U	0.0073 U	0.0068 U	0.0078 U	0.008 U	0.002 J
trans-1,2-Dichloroethene	mg/kg	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.013 U	
trans-1,3-Dichloropropene	mg/kg	0.0071 U	0.007 U	0.0073 U	0.0068 U	0.0078 U	0.008 U	0.006 U
Trichloroethylene	mg/kg	0.01 U	0.0099 U	0.01 U	0.0098 U	0.011 U	0.011 U	0.006 U
Vinyl Chloride	mg/kg	0.014 U	0.014 U	0.015 U	0.014 U	0.016 U	0.016 U	0.006 U
Xylene, (Total)	mg/kg	0.018 U	0.018 U	0.019 U	0.018 U	0.02 U	0.021 U	0.006 U

Appendix C
Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

	Location Code	OD1gd-005	OD1gd-006	OD1gd-010	OD1gd-010
	Sample Number	OD1gd-005-0002-SO	OD1gd-006-0001-SO	OD1gd-010-0001-FD	OD1gd-010-0001-SO
	Sample Date	11/16/2000	11/1/2000	6/28/2001	6/28/2001
	Sample Purpose	REG	REG	FD	REG
	DEPTH	0 - 8 ft	4 - 4 ft	4 - 4 ft	0 - 4 ft
Parameter	**Units**	**Result VQ**	**Result VQ**	**Result VQ**	**Result VQ**
Volatiles					
1,1,1-Trichloroethane	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
1,1,2,2-Tetrachloroethane	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
1,1,2-Trichloroethane	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
1,1-Dichloroethane	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
1,1-Dichloroethylene	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
1,2-Dibromoethane	mg/kg				
1,2-Dichloroethane	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
1,2-Dichloroethylene	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
1,2-Dichloropropane	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
1,2-Dimethylbenzene	mg/kg				
2-Hexanone	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
Acetone	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
Benzene	mg/kg	0.066 =	0.006 U	0.006 U	0.006 U
Bromochloromethane	mg/kg				
Bromodichloromethane	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
Bromoform	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
Bromomethane	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
Carbon Disulfide	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U
Carbon Tetrachloride	mg/kg	0.006 U	0.006 U	0.006 U	0.006 U

Appendix C
Analytical Results
Remaining 1999 Phase I I/2000 IRA and 2010 Phase II RI
Subsurface Soil Samples (>1 ft bgs) VOCs
Open Demolition Area #1
Ravenna Army Ammunition Plant, Ravenna, Ohio

Location Code		OD1gd-005		OD1gd-006		OD1gd-010		OD1gd-010	
Sample Number		OD1gd-005-0002-SO		OD1gd-006-0001-SO		OD1gd-010-0001-FD		OD1gd-010-0001-SO	
Sample Date		11/16/2000		11/1/2000		6/28/2001		6/28/2001	
Sample Purpose		REG		REG		FD		REG	
DEPTH		0 - 8 ft		4 - 4 ft		4 - 4 ft		0 - 4 ft	
Parameter	**Units**	**Result**	**VQ**	**Result**	**VQ**	**Result**	**VQ**	**Result**	**VQ**
Chlorobenzene	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Chloroethane	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Chloroform	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Chloromethane	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
cis-1,2-Dichloroethene	mg/kg								
cis-1,3-Dichloropropene	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Dibromochloromethane	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Ethylbenzene	mg/kg	0.13	=	0.006	U	0.006	U	0.006	U
Methyl Ethyl Ketone	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Methyl Isobutyl Ketone	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Methylene Chloride	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Styrene	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Tetrachloroethylene	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Toluene	mg/kg	0.18	=	0.006	U	0.006	U	0.006	U
trans-1,2-Dichloroethene	mg/kg								
trans-1,3-Dichloropropene	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Trichloroethylene	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Vinyl Chloride	mg/kg	0.006	U	0.006	U	0.006	U	0.006	U
Xylene, (Total)	mg/kg	0.61	=	0.006	U	0.006	U	0.006	U

bgs denotes below ground surface.
DA1 denotes Open Demolition Area #1.
FD denotes field duplicate.
ft denotes foot/feet.
gd denotes grid.
J denotes estimated concentration.
mg/kg denotes milligrams per kilogram.
OD1 denotes Open Demolition Area #1.
SB denotes soil boring.
so denotes subsurface soil.
SO denotes soil.
U denotes not detected.
VOCs denotes volatile organic compounds.
VQ denotes validation qualifier.

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	FIELDQC		FIELDQC		FIELDQC		FIELDQC		LL1SS-157		LL1SS-427	
	Sample Number	DA1QC-001-0001-ER		DA1QC-002-0001-ER		DA1QC-003-0001-ER		R5108ER		157-1465		427-1407	
	Sample Date	9/27/2010		9/27/2010		11/10/2010		9/2/1998		11/18/2004		11/9/2004	
	Sample Purpose	ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Explosives													
1,3,5-Trinitrobenzene	µg/L	0.23	U	0.23	U	0.23	U	0.2	U				
1,3-Dinitrobenzene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U				
2,4,6-Trinitrotoluene	µg/L	0.22	U	0.22	U	0.22	U	0.1	J	1.09	U		
2,4-Dinitrotoluene	µg/L	0.3	U	0.3	U	0.3	U	0.25					
2,6-Dinitrotoluene	µg/L	0.24	U	0.24	U	0.24	U	0.13	U				
2-Amino-4,6-Dinitrotoluene	µg/L	0.24	U	0.24	U	0.24	U						
3,5-Dinitroaniline	µg/L	0.23	U	0.23	U	0.23	U						
4-Amino-2,6-Dinitrotoluene	µg/L	0.28	U	0.28	U	0.28	U						
HMX	µg/L	0.25	U	0.25	U	0.25	U	0.15	J				
m-Nitrotoluene	µg/L	0.23	U	0.23	U	0.23	U	0.2	U				
Nitrobenzene	µg/L	0.22	U	0.22	U	0.22	U	0.2	U				
Nitrocellulose	µg/L	1000	U	1100	U	1100	U						
Nitroglycerin	µg/L	2.2	U	2.2	U	2.2	U						
Nitroguanidine	µg/L	28	U	28	U	28	U						
o-Nitrotoluene	µg/L	0.4	U	0.4	U	0.4	U	0.51					
Petn	µg/L	3	U	3	U	3	U						
p-Nitrotoluene	µg/L	0.22	U	0.22	U	0.22	U	0.2	U				
RDX	µg/L	0.18	U	0.18	U	0.18	U	0.5	U	0.305	J		
Tetryl	µg/L	0.21	U	0.21	U	0.21	U	22					
GEN CHEMISTRY													
Cyanide, Total	µg/L	6	U	6	U	6	U	10	U				
Metals													
Aluminum	µg/L	4	U	4	U	4	U	200	U				
Antimony	µg/L	4	U	4	U	4	U	5	U				
Arsenic	µg/L	4	U	4	U	4	U	5	U			4	U
Barium	µg/L	0.26	U	0.26	U	0.26	U	200	U				
Beryllium	µg/L	0.13	U	0.13	U	0.13	U	4	U				
Cadmium	µg/L	0.11	U	0.11	U	0.11	U	5	U				
Calcium	µg/L	61	J	15	U	15	U	261	B				
Chromium	µg/L	0.79	J	2.1		0.7	U	10	U				
Cobalt	µg/L	1.3	U	1.3	U	1.3	U	50	U				

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		FIELDQC		FIELDQC		FIELDQC		FIELDQC		LL1SS-157		LL1SS-427	
Sample Number		DA1QC-001-0001-ER		DA1QC-002-0001-ER		DA1QC-003-0001-ER		R5108ER		157-1465		427-1407	
Sample Date		9/27/2010		9/27/2010		11/10/2010		9/2/1998		11/18/2004		11/9/2004	
Sample Purpose		ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Copper	µg/L	1.2	U	1.2	U	1.2	U	25	U				
Iron	µg/L	45		104		66.4		100	U				
Lead	µg/L	1.5	U	1.5	U	1.5	U	3	U			5	U
Magnesium	µg/L	6.1	J	3	U	3	U	5000	U				
Manganese	µg/L	1.4	J	0.77	J	0.7	U	15	U			7.25	J
Mercury	µg/L	0.04	UB	0.04	UB	0.04	U	0.2	U				
Nickel	µg/L	0.6	U	2	J	0.6	U	40	U				
Potassium	µg/L	280	U	280	U	280	U	5000	U				
Selenium	µg/L	2.3	U	2.3	U	2.3	U	5	U				
Silver	µg/L	0.7	U	0.7	U	0.7	UM	10	U				
Sodium	µg/L	100	U	100	U	100	U	5000	U				
Thallium	µg/L	1.6	U	1.6	U	1.6	U	2	U				
Vanadium	µg/L	0.5	U	0.5	U	0.5	U	50	U				
Zinc	µg/L	1.8	U	4.2	J	1.8	U	19.3	B				
PCBS													
Aroclor 1262	µg/L	0.29	U	0.31	U	0.31	U						
Aroclor 1268	µg/L	0.059	U	0.062	U	0.062	U						
PCB-1016	µg/L	0.12	U	0.12	U	0.13	U						
PCB-1221	µg/L	0.089	U	0.093	U	0.094	U						
PCB-1232	µg/L	0.15	U	0.16	U	0.16	U						
PCB-1242	µg/L	0.1	U	0.11	U	0.11	U						
PCB-1248	µg/L	0.093	U	0.097	U	0.098	U						
PCB-1254	µg/L	0.099	U	0.1	U	0.1	U						
PCB-1260	µg/L	0.1	U	0.11	U	0.11	U						
Pesticides													
4,4'-DDD	µg/L	0.0063	U	0.0063	U	0.0063	U						
4,4'-DDE	µg/L	0.0063	U	0.0063	U	0.0063	U						
4,4'-DDT	µg/L	0.0074	U	0.0074	U	0.0074	U						
Aldrin	µg/L	0.0063	U	0.0063	U	0.0063	U						
alpha-BHC	µg/L	0.0053	U	0.0053	U	0.0053	U						
alpha-Chlordane	µg/L	0.0095	U	0.0095	U	0.0095	U						
beta-BHC	µg/L	0.0095	U	0.0095	U	0.0095	U						

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		FIELDQC		FIELDQC		FIELDQC		FIELDQC		LL1SS-157		LL1SS-427	
Sample Number		DA1QC-001-0001-ER		DA1QC-002-0001-ER		DA1QC-003-0001-ER		R5108ER		157-1465		427-1407	
Sample Date		9/27/2010		9/27/2010		11/10/2010		9/2/1998		11/18/2004		11/9/2004	
Sample Purpose		ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Chlordane	µg/L	0.11	U	0.11	U	0.11	U						
delta-BHC	µg/L	0.0053	U	0.0053	U	0.0053	U						
Dieldrin	µg/L	0.0063	U	0.0063	U	0.0063	U						
Endosulfan I	µg/L	0.0095	U	0.0095	U	0.0095	U						
Endosulfan II	µg/L	0.0074	U	0.0074	U	0.0074	U						
Endosulfan Sulfate	µg/L	0.0063	U	0.0063	U	0.0063	U						
Endrin	µg/L	0.0063	U	0.0063	U	0.0063	U						
Endrin Aldehyde	µg/L	0.0095	U	0.0095	U	0.0095	U						
Endrin Ketone	µg/L	0.0074	U	0.0074	U	0.0074	U						
gamma-Chlordane	µg/L	0.0074	U	0.0074	U	0.0074	U						
Heptachlor	µg/L	0.0063	U	0.0063	U	0.0063	U						
Heptachlor Epoxide	µg/L	0.0074	U	0.0074	U	0.0074	U						
Lindane	µg/L	0.0074	U	0.0074	U	0.016	JP						
Methoxychlor	µg/L	0.016	JP	0.0063	U	0.0063	U						
Toxaphene	µg/L	0.19	U	0.19	U	0.19	U						
Semivolatiles													
1,2,4-Trichlorobenzene	µg/L	0.2	U	0.18	U	0.18	U						
1,2-Dichlorobenzene	µg/L	0.21	U	0.19	U	0.2	U						
1,3-Dichlorobenzene	µg/L	0.23	U	0.21	U	0.22	U						
1,4-Dichlorobenzene	µg/L	0.22	U	0.2	U	0.21	U						
2,4,5-Trichlorophenol	µg/L	1.3	U	1.1	U	1.2	U						
2,4,6-Trichlorophenol	µg/L	1.2	U	1	U	1.1	U						
2,4-Dichlorophenol	µg/L	1.2	U	1	U	1.1	U						
2,4-Dimethylphenol	µg/L	0.95	U	0.85	U	0.89	U						
2,4-Dinitrophenol	µg/L	1.7	U	1.6	U	1.6	U						
2,4-Dinitrotoluene	µg/L	0.24	U	0.22	U	0.23	U						
2,6-Dinitrotoluene	µg/L	0.33	U	0.29	U	0.3	U						
2-Chloronaphthalene	µg/L	0.21	U	0.19	U	0.2	U						
2-Chlorophenol	µg/L	1	U	0.91	U	0.95	U						
2-Methylnaphthalene	µg/L	0.2	U	0.18	U	0.18	U						
2-Nitroaniline	µg/L	0.26	U	0.23	U	0.24	U						
2-Nitrophenol	µg/L	1	U	0.94	U	0.98	U						

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		FIELDQC		FIELDQC		FIELDQC		FIELDQC		LL1SS-157		LL1SS-427	
Sample Number		DA1QC-001-0001-ER		DA1QC-002-0001-ER		DA1QC-003-0001-ER		R5108ER		157-1465		427-1407	
Sample Date		9/27/2010		9/27/2010		11/10/2010		9/2/1998		11/18/2004		11/9/2004	
Sample Purpose		ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
3,3'-Dichlorobenzidine	µg/L	0.77	UQZ	0.69	UQZ	0.72	U						
3-Nitroaniline	µg/L	0.3	U	0.27	U	0.28	U						
4,6-Dinitro-2-Methylphenol	µg/L	1.9	UQ	1.7	UQ	1.7	U						
4-Bromophenyl Phenyl Ether	µg/L	0.23	U	0.21	U	0.22	U						
4-Chloro-3-Methylphenol	µg/L	0.88	U	0.79	U	0.83	U						
4-Chloroaniline	µg/L	0.14	U	0.13	U	0.13	U						
4-Chlorophenyl Phenyl Ether	µg/L	0.21	U	0.19	U	0.2	U						
4-Nitrobenzenamine	µg/L	0.17	U	0.16	U	0.16	U						
4-Nitrophenol	µg/L	1.3	U	1.1	U	1.2	U						
Acenaphthene	µg/L	0.21	U	0.19	U	0.2	U						
Acenaphthylene	µg/L	0.2	U	0.18	U	0.18	U						
Anthracene	µg/L	0.13	U	0.11	U	0.12	U						
Benzo(a)anthracene	µg/L	0.14	U	0.13	U	0.13	U						
Benzo(a)pyrene	µg/L	0.16	U	0.15	U	0.15	U						
Benzo(b)fluoranthene	µg/L	0.2	U	0.18	U	0.18	U						
Benzo(ghi)perylene	µg/L	0.24	U	0.22	U	0.23	U						
Benzo(k)fluoranthene	µg/L	0.23	U	0.21	U	0.22	U						
Benzoic Acid	µg/L	13	U	12	U	12	U						
Benzyl Alcohol	µg/L	0.63	U	0.56	U	0.59	U						
Bis(2-Chloroethoxy)methane	µg/L	0.22	U	0.2	U	0.21	U						
Bis(2-Chloroethyl)ether	µg/L	0.24	U	0.22	U	0.23	U						
Bis(2-Chloroisopropyl)ether	µg/L	0.26	U	0.23	U	0.24	U						
Bis(2-Ethylhexyl)phthalate	µg/L	0.51	U	0.46	U	0.48	U						
Butyl Benzyl Phthalate	µg/L	0.55	U	0.49	U	0.51	U						
Carbazole	µg/L	0.14	U	0.13	U	0.13	U						
Chrysene	µg/L	0.19	U	0.17	U	0.17	U						
Cresols (Total)	µg/L	1.6	U	1.5	U	1.5	U						
Dibenzo(a,h)anthracene	µg/L	0.2	U	0.18	U	0.18	U						
Dibenzofuran	µg/L	0.22	U	0.2	U	0.21	U						
Diethyl Phthalate	µg/L	0.52	U	0.47	U	0.49	U						
Dimethyl Phthalate	µg/L	0.63	U	0.56	U	0.59	U						
Di-n-Butyl Phthalate	µg/L	0.78	U	0.7	U	0.73	U						

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		FIELDQC		FIELDQC		FIELDQC		FIELDQC		LL1SS-157		LL1SS-427	
Sample Number		DA1QC-001-0001-ER		DA1QC-002-0001-ER		DA1QC-003-0001-ER		R5108ER		157-1465		427-1407	
Sample Date		9/27/2010		9/27/2010		11/10/2010		9/2/1998		11/18/2004		11/9/2004	
Sample Purpose		ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Di-n-Octyl Phthalate	µg/L	0.57	U	0.51	U	0.53	U						
Fluoranthene	µg/L	0.15	U	0.14	U	0.14	U						
Fluorene	µg/L	0.22	U	0.2	U	0.21	U						
Hexachlorobenzene	µg/L	0.31	U	0.28	U	0.29	U						
Hexachlorobutadiene	µg/L	0.21	U	0.19	U	0.2	U						
Hexachlorocyclopentadiene	µg/L	0.3	U	0.27	U	0.28	U						
Hexachloroethane	µg/L	0.26	U	0.23	U	0.24	U						
Indeno(1,2,3-cd)pyrene	µg/L	0.21	U	0.19	U	0.2	U						
Isophorone	µg/L	0.21	U	0.19	U	0.2	U						
Naphthalene	µg/L	0.21	U	0.19	U	0.2	U						
Nitrobenzene	µg/L	0.19	U	0.17	U	0.17	U						
N-Nitroso-di-n-Propylamine	µg/L	0.21	U	0.19	U	0.2	U						
N-Nitrosodiphenylamine	µg/L	0.42	U	0.38	U	0.39	U						
o-Cresol	µg/L	1	U	0.9	U	0.93	U						
Pentachlorophenol	µg/L	1.3	U	1.1	U	1.2	U						
Phenanthrene	µg/L	0.35	U	0.31	U	0.33	U						
Phenol	µg/L	0.56	U	0.5	U	0.52	U						
Pyrene	µg/L	0.15	U	0.14	U	0.14	U						
Volatiles													
1,1,1-Trichloroethane	µg/L	0.21	U	0.21	U	0.21	U						
1,1,2,2-Tetrachloroethane	µg/L	0.19	U	0.19	U	0.19	U						
1,1,2-Trichloroethane	µg/L	0.26	U	0.26	U	0.26	U						
1,1-Dichloroethane	µg/L	0.2	U	0.2	U	0.2	U						
1,1-Dichloroethylene	µg/L	0.24	U	0.24	U	0.24	U						
1,2-Dibromoethane	µg/L	0.16	U	0.16	U	0.16	U						
1,2-Dichloroethane	µg/L	0.3	U	0.3	U	0.3	U						
1,2-Dichloropropane	µg/L	0.22	U	0.22	U	0.22	U						
1,2-Dimethylbenzene	µg/L	0.24	U	0.24	U	0.24	U						
2-Hexanone	µg/L	4	U	4	U	4	U						
Acetone	µg/L	5	U	5	U	5	U						
Benzene	µg/L	0.19	U	0.19	U	0.19	U						
Bromochloromethane	µg/L	0.19	U	0.19	U	0.19	U						

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		FIELDQC		FIELDQC		FIELDQC		FIELDQC		LL1SS-157		LL1SS-427	
Sample Number		DA1QC-001-0001-ER		DA1QC-002-0001-ER		DA1QC-003-0001-ER		R5108ER		157-1465		427-1407	
Sample Date		9/27/2010		9/27/2010		11/10/2010		9/2/1998		11/18/2004		11/9/2004	
Sample Purpose		ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Bromodichloromethane	µg/L	0.2	U	0.2	U	0.2	U						
Bromoform	µg/L	0.22	U	0.22	U	0.22	U						
Bromomethane	µg/L	0.5	U	0.5	U	0.5	UZ						
Carbon Disulfide	µg/L	0.5	UA	0.5	UA	0.5	U						
Carbon Tetrachloride	µg/L	0.23	U	0.23	U	0.23	U						
Chlorobenzene	µg/L	0.24	U	0.24	U	0.24	U						
Chloroethane	µg/L	0.4	U	0.4	U	0.4	U						
Chloroform	µg/L	1.3		1.1		0.45	J						
Chloromethane	µg/L	0.4	U	0.4	U	0.4	U						
cis-1,2-Dichloroethene	µg/L	0.25	U	0.25	U	0.25	U						
cis-1,3-Dichloropropene	µg/L	0.19	U	0.19	U	0.19	U						
Dibromochloromethane	µg/L	0.19	U	0.19	U	0.19	U						
Ethylbenzene	µg/L	0.22	U	0.22	U	0.22	U						
Methyl Ethyl Ketone	µg/L	2.4	U	2.4	U	2.4	U						
Methyl Isobutyl Ketone	µg/L	3	U	3	U	3	U						
Methylene Chloride	µg/L	0.76	J	0.67	J	0.4	U						
Styrene	µg/L	0.2	U	0.2	U	0.2	U						
Tetrachloroethylene	µg/L	0.3	U	0.3	U	0.3	U						
Toluene	µg/L	0.22	U	0.22	U	0.22	U						
trans-1,2-Dichloroethene	µg/L	0.25	U	0.25	U	0.25	U						
trans-1,3-Dichloropropene	µg/L	0.19	U	0.19	U	0.19	U						
Trichloroethylene	µg/L	0.21	U	0.21	U	0.21	U						
Vinyl Chloride	µg/L	0.18	U	0.18	U	0.18	U						
Xylene, (Total)	µg/L	0.5	U	0.5	U	0.5	U						

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Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**LL1SS-440**		**LL2SS-293**		**LL2SS-297**		**LL3SS-247**		**LL3SS-258**		**LL3SS-286**	
	Sample Number	**440-1421**		**293-1250**		**297-1254**		**247-1178**		**258-1198**		**286-1221**	
	Sample Date	**11/10/2004**		**11/12/2004**		**11/16/2004**		**11/11/2004**		**11/15/2004**		**11/17/2004**	
	Sample Purpose	**ER**		**ER**		**ER**		**ER**		**ER**		**ER**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Explosives													
1,3,5-Trinitrobenzene	µg/L												
1,3-Dinitrobenzene	µg/L												
2,4,6-Trinitrotoluene	µg/L											1.04	U
2,4-Dinitrotoluene	µg/L												
2,6-Dinitrotoluene	µg/L												
2-Amino-4,6-Dinitrotoluene	µg/L												
3,5-Dinitroaniline	µg/L												
4-Amino-2,6-Dinitrotoluene	µg/L												
HMX	µg/L												
m-Nitrotoluene	µg/L												
Nitrobenzene	µg/L												
Nitrocellulose	µg/L												
Nitroglycerin	µg/L												
Nitroguanidine	µg/L												
o-Nitrotoluene	µg/L												
Petn	µg/L												
p-Nitrotoluene	µg/L												
RDX	µg/L												
Tetryl	µg/L												
GEN CHEMISTRY													
Cyanide, Total	µg/L												
Metals													
Aluminum	µg/L												
Antimony	µg/L												
Arsenic	µg/L	4	U	4	U	4	U	4	U	4	U		
Barium	µg/L												
Beryllium	µg/L												
Cadmium	µg/L												
Calcium	µg/L												
Chromium	µg/L												
Cobalt	µg/L												

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Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		LL1SS-440		LL2SS-293		LL2SS-297		LL3SS-247		LL3SS-258		LL3SS-286	
Sample Number		440-1421		293-1250		297-1254		247-1178		258-1198		286-1221	
Sample Date		11/10/2004		11/12/2004		11/16/2004		11/11/2004		11/15/2004		11/17/2004	
Sample Purpose		ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Copper	µg/L												
Iron	µg/L												
Lead	µg/L	5	U	5	U	5	U	5	U	5	U		
Magnesium	µg/L												
Manganese	µg/L	33.5		3.62	J	2.74	J	9.94	J	16.4			
Mercury	µg/L												
Nickel	µg/L												
Potassium	µg/L												
Selenium	µg/L												
Silver	µg/L												
Sodium	µg/L												
Thallium	µg/L												
Vanadium	µg/L												
Zinc	µg/L												
PCBS													
Aroclor 1262	µg/L												
Aroclor 1268	µg/L												
PCB-1016	µg/L												
PCB-1221	µg/L												
PCB-1232	µg/L												
PCB-1242	µg/L												
PCB-1248	µg/L												
PCB-1254	µg/L												
PCB-1260	µg/L												
Pesticides													
4,4'-DDD	µg/L												
4,4'-DDE	µg/L												
4,4'-DDT	µg/L												
Aldrin	µg/L												
alpha-BHC	µg/L												
alpha-Chlordane	µg/L												
beta-BHC	µg/L												

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Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	LL1SS-440		LL2SS-293		LL2SS-297		LL3SS-247		LL3SS-258		LL3SS-286	
	Sample Number	440-1421		293-1250		297-1254		247-1178		258-1198		286-1221	
	Sample Date	11/10/2004		11/12/2004		11/16/2004		11/11/2004		11/15/2004		11/17/2004	
	Sample Purpose	ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Chlordane	µg/L												
delta-BHC	µg/L												
Dieldrin	µg/L												
Endosulfan I	µg/L												
Endosulfan II	µg/L												
Endosulfan Sulfate	µg/L												
Endrin	µg/L												
Endrin Aldehyde	µg/L												
Endrin Ketone	µg/L												
gamma-Chlordane	µg/L												
Heptachlor	µg/L												
Heptachlor Epoxide	µg/L												
Lindane	µg/L												
Methoxychlor	µg/L												
Toxaphene	µg/L												
Semivolatiles													
1,2,4-Trichlorobenzene	µg/L												
1,2-Dichlorobenzene	µg/L												
1,3-Dichlorobenzene	µg/L												
1,4-Dichlorobenzene	µg/L												
2,4,5-Trichlorophenol	µg/L												
2,4,6-Trichlorophenol	µg/L												
2,4-Dichlorophenol	µg/L												
2,4-Dimethylphenol	µg/L												
2,4-Dinitrophenol	µg/L												
2,4-Dinitrotoluene	µg/L												
2,6-Dinitrotoluene	µg/L												
2-Chloronaphthalene	µg/L												
2-Chlorophenol	µg/L												
2-Methylnaphthalene	µg/L												
2-Nitroaniline	µg/L												
2-Nitrophenol	µg/L												

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Analytical Results
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Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**LL1SS-440**		**LL2SS-293**		**LL2SS-297**		**LL3SS-247**		**LL3SS-258**		**LL3SS-286**	
	Sample Number	**440-1421**		**293-1250**		**297-1254**		**247-1178**		**258-1198**		**286-1221**	
	Sample Date	**11/10/2004**		**11/12/2004**		**11/16/2004**		**11/11/2004**		**11/15/2004**		**11/17/2004**	
	Sample Purpose	**ER**		**ER**		**ER**		**ER**		**ER**		**ER**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
3,3'-Dichlorobenzidine	µg/L												
3-Nitroaniline	µg/L												
4,6-Dinitro-2-Methylphenol	µg/L												
4-Bromophenyl Phenyl Ether	µg/L												
4-Chloro-3-Methylphenol	µg/L												
4-Chloroaniline	µg/L												
4-Chlorophenyl Phenyl Ether	µg/L												
4-Nitrobenzenamine	µg/L												
4-Nitrophenol	µg/L												
Acenaphthene	µg/L												
Acenaphthylene	µg/L												
Anthracene	µg/L												
Benzo(a)anthracene	µg/L												
Benzo(a)pyrene	µg/L												
Benzo(b)fluoranthene	µg/L												
Benzo(ghi)perylene	µg/L												
Benzo(k)fluoranthene	µg/L												
Benzoic Acid	µg/L												
Benzyl Alcohol	µg/L												
Bis(2-Chloroethoxy)methane	µg/L												
Bis(2-Chloroethyl)ether	µg/L												
Bis(2-Chloroisopropyl)ether	µg/L												
Bis(2-Ethylhexyl)phthalate	µg/L												
Butyl Benzyl Phthalate	µg/L												
Carbazole	µg/L												
Chrysene	µg/L												
Cresols (Total)	µg/L												
Dibenzo(a,h)anthracene	µg/L												
Dibenzofuran	µg/L												
Diethyl Phthalate	µg/L												
Dimethyl Phthalate	µg/L												
Di-n-Butyl Phthalate	µg/L												

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Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		LL1SS-440		LL2SS-293		LL2SS-297		LL3SS-247		LL3SS-258		LL3SS-286	
Sample Number		440-1421		293-1250		297-1254		247-1178		258-1198		286-1221	
Sample Date		11/10/2004		11/12/2004		11/16/2004		11/11/2004		11/15/2004		11/17/2004	
Sample Purpose		ER		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Di-n-Octyl Phthalate	µg/L												
Fluoranthene	µg/L												
Fluorene	µg/L												
Hexachlorobenzene	µg/L												
Hexachlorobutadiene	µg/L												
Hexachlorocyclopentadiene	µg/L												
Hexachloroethane	µg/L												
Indeno(1,2,3-cd)pyrene	µg/L												
Isophorone	µg/L												
Naphthalene	µg/L												
Nitrobenzene	µg/L												
N-Nitroso-di-n-Propylamine	µg/L												
N-Nitrosodiphenylamine	µg/L												
o-Cresol	µg/L												
Pentachlorophenol	µg/L												
Phenanthrene	µg/L												
Phenol	µg/L												
Pyrene	µg/L												
Volatiles													
1,1,1-Trichloroethane	µg/L												
1,1,2,2-Tetrachloroethane	µg/L												
1,1,2-Trichloroethane	µg/L												
1,1-Dichloroethane	µg/L												
1,1-Dichloroethylene	µg/L												
1,2-Dibromoethane	µg/L												
1,2-Dichloroethane	µg/L												
1,2-Dichloropropane	µg/L												
1,2-Dimethylbenzene	µg/L												
2-Hexanone	µg/L												
Acetone	µg/L												
Benzene	µg/L												
Bromochloromethane	µg/L												

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Equipment Rinsate Samples
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RVAAP, Ravenna, Ohio

	Location Code	**LL1SS-440**		**LL2SS-293**		**LL2SS-297**		**LL3SS-247**		**LL3SS-258**		**LL3SS-286**	
	Sample Number	**440-1421**		**293-1250**		**297-1254**		**247-1178**		**258-1198**		**286-1221**	
	Sample Date	**11/10/2004**		**11/12/2004**		**11/16/2004**		**11/11/2004**		**11/15/2004**		**11/17/2004**	
	Sample Purpose	**ER**		**ER**		**ER**		**ER**		**ER**		**ER**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Bromodichloromethane	µg/L												
Bromoform	µg/L												
Bromomethane	µg/L												
Carbon Disulfide	µg/L												
Carbon Tetrachloride	µg/L												
Chlorobenzene	µg/L												
Chloroethane	µg/L												
Chloroform	µg/L												
Chloromethane	µg/L												
cis-1,2-Dichloroethene	µg/L												
cis-1,3-Dichloropropene	µg/L												
Dibromochloromethane	µg/L												
Ethylbenzene	µg/L												
Methyl Ethyl Ketone	µg/L												
Methyl Isobutyl Ketone	µg/L												
Methylene Chloride	µg/L												
Styrene	µg/L												
Tetrachloroethylene	µg/L												
Toluene	µg/L												
trans-1,2-Dichloroethene	µg/L												
trans-1,3-Dichloropropene	µg/L												
Trichloroethylene	µg/L												
Vinyl Chloride	µg/L												
Xylene, (Total)	µg/L												

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Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	LL3SS-293		LL3SS-300		LL3SS-305		LL4SS-197		LL4SS-201	
	Sample Number	293-1228		300-1241		305-1248		197-1204		201-1208	
	Sample Date	11/17/2004		11/29/2004		11/30/2004		11/16/2004		11/18/2004	
	Sample Purpose	ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Explosives											
1,3,5-Trinitrobenzene	µg/L										
1,3-Dinitrobenzene	µg/L										
2,4,6-Trinitrotoluene	µg/L										
2,4-Dinitrotoluene	µg/L										
2,6-Dinitrotoluene	µg/L										
2-Amino-4,6-Dinitrotoluene	µg/L										
3,5-Dinitroaniline	µg/L										
4-Amino-2,6-Dinitrotoluene	µg/L										
HMX	µg/L										
m-Nitrotoluene	µg/L										
Nitrobenzene	µg/L										
Nitrocellulose	µg/L										
Nitroglycerin	µg/L										
Nitroguanidine	µg/L										
o-Nitrotoluene	µg/L										
Petn	µg/L										
p-Nitrotoluene	µg/L										
RDX	µg/L										
Tetryl	µg/L										
GEN CHEMISTRY											
Cyanide, Total	µg/L										
Metals											
Aluminum	µg/L			115		62.8	J				
Antimony	µg/L										
Arsenic	µg/L			4	U	4	U	4	U	4	U
Barium	µg/L										
Beryllium	µg/L										
Cadmium	µg/L										
Calcium	µg/L										
Chromium	µg/L										
Cobalt	µg/L										

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Analytical Results
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Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		LL3SS-293		LL3SS-300		LL3SS-305		LL4SS-197		LL4SS-201	
Sample Number		293-1228		300-1241		305-1248		197-1204		201-1208	
Sample Date		11/17/2004		11/29/2004		11/30/2004		11/16/2004		11/18/2004	
Sample Purpose		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Copper	µg/L										
Iron	µg/L										
Lead	µg/L			5	U	5	U	5	U	5	U
Magnesium	µg/L										
Manganese	µg/L			9.41	J	10	U	2.77	J	8.71	J
Mercury	µg/L										
Nickel	µg/L										
Potassium	µg/L										
Selenium	µg/L										
Silver	µg/L										
Sodium	µg/L										
Thallium	µg/L										
Vanadium	µg/L										
Zinc	µg/L										
PCBS											
Aroclor 1262	µg/L										
Aroclor 1268	µg/L										
PCB-1016	µg/L	0.556	U								
PCB-1221	µg/L	0.556	U								
PCB-1232	µg/L	0.556	U								
PCB-1242	µg/L	0.556	U								
PCB-1248	µg/L	0.556	U								
PCB-1254	µg/L	0.556	U								
PCB-1260	µg/L	0.556	U								
Pesticides											
4,4'-DDD	µg/L										
4,4'-DDE	µg/L										
4,4'-DDT	µg/L										
Aldrin	µg/L										
alpha-BHC	µg/L										
alpha-Chlordane	µg/L										
beta-BHC	µg/L										

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Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	LL3SS-293		LL3SS-300		LL3SS-305		LL4SS-197		LL4SS-201	
	Sample Number	293-1228		300-1241		305-1248		197-1204		201-1208	
	Sample Date	11/17/2004		11/29/2004		11/30/2004		11/16/2004		11/18/2004	
	Sample Purpose	ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Chlordane	µg/L										
delta-BHC	µg/L										
Dieldrin	µg/L										
Endosulfan I	µg/L										
Endosulfan II	µg/L										
Endosulfan Sulfate	µg/L										
Endrin	µg/L										
Endrin Aldehyde	µg/L										
Endrin Ketone	µg/L										
gamma-Chlordane	µg/L										
Heptachlor	µg/L										
Heptachlor Epoxide	µg/L										
Lindane	µg/L										
Methoxychlor	µg/L										
Toxaphene	µg/L										
Semivolatiles											
1,2,4-Trichlorobenzene	µg/L										
1,2-Dichlorobenzene	µg/L										
1,3-Dichlorobenzene	µg/L										
1,4-Dichlorobenzene	µg/L										
2,4,5-Trichlorophenol	µg/L										
2,4,6-Trichlorophenol	µg/L										
2,4-Dichlorophenol	µg/L										
2,4-Dimethylphenol	µg/L										
2,4-Dinitrophenol	µg/L										
2,4-Dinitrotoluene	µg/L										
2,6-Dinitrotoluene	µg/L										
2-Chloronaphthalene	µg/L										
2-Chlorophenol	µg/L										
2-Methylnaphthalene	µg/L										
2-Nitroaniline	µg/L										
2-Nitrophenol	µg/L										

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	LL3SS-293		LL3SS-300		LL3SS-305		LL4SS-197		LL4SS-201	
	Sample Number	293-1228		300-1241		305-1248		197-1204		201-1208	
	Sample Date	11/17/2004		11/29/2004		11/30/2004		11/16/2004		11/18/2004	
	Sample Purpose	ER		ER		ER		ER		ER	
Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
3,3'-Dichlorobenzidine	µg/L										
3-Nitroaniline	µg/L										
4,6-Dinitro-2-Methylphenol	µg/L										
4-Bromophenyl Phenyl Ether	µg/L										
4-Chloro-3-Methylphenol	µg/L										
4-Chloroaniline	µg/L										
4-Chlorophenyl Phenyl Ether	µg/L										
4-Nitrobenzenamine	µg/L										
4-Nitrophenol	µg/L										
Acenaphthene	µg/L										
Acenaphthylene	µg/L										
Anthracene	µg/L										
Benzo(a)anthracene	µg/L										
Benzo(a)pyrene	µg/L										
Benzo(b)fluoranthene	µg/L										
Benzo(ghi)perylene	µg/L										
Benzo(k)fluoranthene	µg/L										
Benzoic Acid	µg/L										
Benzyl Alcohol	µg/L										
Bis(2-Chloroethoxy)methane	µg/L										
Bis(2-Chloroethyl)ether	µg/L										
Bis(2-Chloroisopropyl)ether	µg/L										
Bis(2-Ethylhexyl)phthalate	µg/L										
Butyl Benzyl Phthalate	µg/L										
Carbazole	µg/L										
Chrysene	µg/L										
Cresols (Total)	µg/L										
Dibenzo(a,h)anthracene	µg/L										
Dibenzofuran	µg/L										
Diethyl Phthalate	µg/L										
Dimethyl Phthalate	µg/L										
Di-n-Butyl Phthalate	µg/L										

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**LL3SS-293**		**LL3SS-300**		**LL3SS-305**		**LL4SS-197**		**LL4SS-201**	
Sample Number		**293-1228**		**300-1241**		**305-1248**		**197-1204**		**201-1208**	
Sample Date		**11/17/2004**		**11/29/2004**		**11/30/2004**		**11/16/2004**		**11/18/2004**	
Sample Purpose		**ER**		**ER**		**ER**		**ER**		**ER**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Di-n-Octyl Phthalate	µg/L										
Fluoranthene	µg/L										
Fluorene	µg/L										
Hexachlorobenzene	µg/L										
Hexachlorobutadiene	µg/L										
Hexachlorocyclopentadiene	µg/L										
Hexachloroethane	µg/L										
Indeno(1,2,3-cd)pyrene	µg/L										
Isophorone	µg/L										
Naphthalene	µg/L										
Nitrobenzene	µg/L										
N-Nitroso-di-n-Propylamine	µg/L										
N-Nitrosodiphenylamine	µg/L										
o-Cresol	µg/L										
Pentachlorophenol	µg/L										
Phenanthrene	µg/L										
Phenol	µg/L										
Pyrene	µg/L										
Volatiles											
1,1,1-Trichloroethane	µg/L										
1,1,2,2-Tetrachloroethane	µg/L										
1,1,2-Trichloroethane	µg/L										
1,1-Dichloroethane	µg/L										
1,1-Dichloroethylene	µg/L										
1,2-Dibromoethane	µg/L										
1,2-Dichloroethane	µg/L										
1,2-Dichloropropane	µg/L										
1,2-Dimethylbenzene	µg/L										
2-Hexanone	µg/L										
Acetone	µg/L										
Benzene	µg/L										
Bromochloromethane	µg/L										

Appendix C
Analytical Results
2010 Phase II RI Field QC
Equipment Rinsate Samples
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		LL3SS-293		LL3SS-300		LL3SS-305		LL4SS-197		LL4SS-201	
Sample Number		293-1228		300-1241		305-1248		197-1204		201-1208	
Sample Date		11/17/2004		11/29/2004		11/30/2004		11/16/2004		11/18/2004	
Sample Purpose		ER		ER		ER		ER		ER	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
Bromodichloromethane	µg/L										
Bromoform	µg/L										
Bromomethane	µg/L										
Carbon Disulfide	µg/L										
Carbon Tetrachloride	µg/L										
Chlorobenzene	µg/L										
Chloroethane	µg/L										
Chloroform	µg/L										
Chloromethane	µg/L										
cis-1,2-Dichloroethene	µg/L										
cis-1,3-Dichloropropene	µg/L										
Dibromochloromethane	µg/L										
Ethylbenzene	µg/L										
Methyl Ethyl Ketone	µg/L										
Methyl Isobutyl Ketone	µg/L										
Methylene Chloride	µg/L										
Styrene	µg/L										
Tetrachloroethylene	µg/L										
Toluene	µg/L										
trans-1,2-Dichloroethene	µg/L										
trans-1,3-Dichloropropene	µg/L										
Trichloroethylene	µg/L										
Vinyl Chloride	µg/L										
Xylene, (Total)	µg/L										

B denotes compound detected in associate blank
BHC denotes benzene hexachloride
DA1 denotes Open Demolition Area #1
DDD denotes dichlorodiphenyldichloroethane
DDE denotes dichlorodiphenyldichloroethylene
DDT denotes dichlorodiphenyltrichloroethane
ER denotes equipment rinsate
HMX denotes octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
J denotes estimated value
P denotes concentration of analyte differs more than 40 percent between primary and confirmation analytes
PCBs denotes polychlorinated biphenyls
Q denotes laboratory control sample outside acceptance limits
QC denotes quality control
Qual denotes laboratory assigned data qualifier
RDX denotes hexahydro-1,3,5-trinitro-1,3,5-triazine
U denotes not detected
ug/L denotes micrograms per Liter
Z denotes replicate/duplicate precision outside acceptance limits

Appendix C
Analytical Results
2010 Phase II RI
Field QC
Trip Blanks
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	DA1-TB	FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
	Sample Number	DA1qc-TB-0150-QC	DA1QC-001-0001-TB	DA1QC-002-0001-TB	DA1QC-003-0001-TB	DA1QC-004-0001-TB	DA1QC-005-0001-TB	DA1QC-006-0001-TB
	Sample Date	10/24/1999	9/24/2010	9/24/2010	9/27/2010	9/27/2010	9/27/2010	11/10/2010
	Sample Purpose	TB	TB	TB	TB	TB	TB	TB
Parameter	**Units**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**
TCLP VOLATILES								
1,1-Dichloroethylene	mg/L							
1,2-Dichloroethane	mg/L							
Benzene	mg/L							
Carbon Tetrachloride	mg/L							
Chlorobenzene	mg/L							
Chloroform	mg/L							
Methyl Ethyl Ketone	mg/L							
Tetrachloroethylene	mg/L							
Trichloroethylene	mg/L							
Vinyl Chloride	mg/L							
Volatiles								
1,1,1,2-Tetrachloroethane	µg/L							
1,1,1-Trichloroethane	µg/L	5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,1,2-Trichloroethane	µg/L	5 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,1-Dichloroethane	µg/L	5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethylene	µg/L	5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,1-Dichloropropene	µg/L							
1,2,3-Trichlorobenzene	µg/L							
1,2,3-Trichloropropane	µg/L							
1,2,4-Trichlorobenzene	µg/L							
1,2,4-Trimethylbenzene	µg/L							
1,2-Dibromo-3-Chloropropane	µg/L							
1,2-Dibromoethane	µg/L	5 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichlorobenzene	µg/L							
1,2-Dichloroethane	µg/L	5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethylene	µg/L	5 U						
1,2-Dichloropropane	µg/L	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,2-Dimethylbenzene	µg/L		0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U

Appendix C
Analytical Results
2010 Phase II RI
Field QC
Trip Blanks
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**DA1-TB**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**
Sample Number		**DA1qc-TB-0150-QC**	**DA1QC-001-0001-TB**	**DA1QC-002-0001-TB**	**DA1QC-003-0001-TB**	**DA1QC-004-0001-TB**	**DA1QC-005-0001-TB**	**DA1QC-006-0001-TB**
Sample Date		**10/24/1999**	**9/24/2010**	**9/24/2010**	**9/27/2010**	**9/27/2010**	**9/27/2010**	**11/10/2010**
Sample Purpose		**TB**	**TB**	**TB**	**TB**	**TB**	**TB**	**TB**
Parameter	**Units**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**
1,3,5-Trimethylbenzene	µg/L							
1,3-Dichlorobenzene	µg/L							
1,3-Dichloropropane	µg/L							
1,4-Dichlorobenzene	µg/L							
2-Chloroethyl Vinyl Ether	µg/L							
2-Hexanone	µg/L	10 U	4 U	4 U	4 U	4 U	4 U	4 U
Acetone	µg/L	10 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	µg/L	5 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Bromobenzene	µg/L							
Bromochloromethane	µg/L	5 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Bromodichloromethane	µg/L	5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Bromomethane	µg/L	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UZ
Carbon Disulfide	µg/L	5 U	0.5 UA	0.5 UA	0.5 UA	0.5 UA	0.5 UA	0.5 U
Carbon Tetrachloride	µg/L	5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chlorobenzene	µg/L	5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloroethane	µg/L	10 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane	µg/L	10 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L		0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
cis-1,3-Dichloropropene	µg/L	5 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Cumene	µg/L							
Dibromochloromethane	µg/L	5 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Dibromomethane	µg/L							
Dichlorodifluoromethane	µg/L							
Ethylbenzene	µg/L	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Hexachlorobutadiene	µg/L							
m,p-Xylene	µg/L							
Methyl Ethyl Ketone	µg/L	10 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Methyl Isobutyl Ketone	µg/L	10 U	3 U	3 U	3 U	3 U	3 U	3 U

Appendix C
Analytical Results
2010 Phase II RI
Field QC
Trip Blanks
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**DA1-TB**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**
	Sample Number	**DA1qc-TB-0150-QC**	**DA1QC-001-0001-TB**	**DA1QC-002-0001-TB**	**DA1QC-003-0001-TB**	**DA1QC-004-0001-TB**	**DA1QC-005-0001-TB**	**DA1QC-006-0001-TB**
	Sample Date	**10/24/1999**	**9/24/2010**	**9/24/2010**	**9/27/2010**	**9/27/2010**	**9/27/2010**	**11/10/2010**
	Sample Purpose	**TB**	**TB**	**TB**	**TB**	**TB**	**TB**	**TB**
Parameter	**Units**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**
Methylene Chloride	µg/L	5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Naphthalene	µg/L							
n-Butylbenzene	µg/L							
n-Propylbenzene	µg/L							
o-Chlorotoluene	µg/L							
p-Chlorotoluene	µg/L							
p-Cymene	µg/L							
sec-Butylbenzene	µg/L							
sec-Dichloropropane	µg/L							
Styrene	µg/L	5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	µg/L							
Tetrachloroethylene	µg/L	5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	µg/L	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
trans-1,2-Dichloroethene	µg/L		0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
trans-1,3-Dichloropropene	µg/L	5 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Trichloroethylene	µg/L	5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Trichlorofluoromethane	µg/L							
Vinyl Acetate	µg/L							
Vinyl Chloride	µg/L	10 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Xylene, (Total)	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Appendix C
Analytical Results
2010 Phase II RI
Field QC
Trip Blanks
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	FIELDQC		FIELDQC		FIELDQC		FIELDQC		FIELDQC		LL1-4	
	Sample Number	DA1QC-007-0001-TB		R1202TB		R5113TB		R7007TB		R7010TB		DC-003-TB	
	Sample Date	11/11/2010		9/20/1998		9/11/1998		9/10/1998		9/22/1998		12/1/2004	
	Sample Purpose	TB		TB		TB		TB		TB		TB	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
TCLP VOLATILES													
1,1-Dichloroethylene	mg/L			0.025	U								
1,2-Dichloroethane	mg/L			0.025	U								
Benzene	mg/L			0.025	U								
Carbon Tetrachloride	mg/L			0.025	U								
Chlorobenzene	mg/L			0.025	U								
Chloroform	mg/L			0.025	U								
Methyl Ethyl Ketone	mg/L			0.1	U								
Tetrachloroethylene	mg/L			0.025	U								
Trichloroethylene	mg/L			0.025	U								
Vinyl Chloride	mg/L			0.05	U								
Volatiles													
1,1,1,2-Tetrachloroethane	µg/L											5	U
1,1,1-Trichloroethane	µg/L	0.21	U			5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	µg/L	0.19	U			5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	µg/L	0.26	U			5	U	5	U	5	U	5	U
1,1-Dichloroethane	µg/L	0.2	U			5	U	5	U	5	U	5	U
1,1-Dichloroethylene	µg/L	0.24	U			5	U	5	U	5	U	5	U
1,1-Dichloropropene	µg/L											5	U
1,2,3-Trichlorobenzene	µg/L											5	U
1,2,3-Trichloropropane	µg/L											5	U
1,2,4-Trichlorobenzene	µg/L											5	U
1,2,4-Trimethylbenzene	µg/L											5	U
1,2-Dibromo-3-Chloropropane	µg/L											5	U
1,2-Dibromoethane	µg/L	0.16	U									5	U
1,2-Dichlorobenzene	µg/L											5	U
1,2-Dichloroethane	µg/L	0.3	U			5	U	5	U	5	U	5	U
1,2-Dichloroethylene	µg/L					5	U	5	U	5	U		
1,2-Dichloropropane	µg/L	0.22	U			5	U	5	U	5	U	5	U
1,2-Dimethylbenzene	µg/L	0.24	U									5	U

Appendix C
Analytical Results
2010 Phase II RI
Field QC
Trip Blanks
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**LL1-4**
Sample Number		**DA1QC-007-0001-TB**	**R1202TB**	**R5113TB**	**R7007TB**	**R7010TB**	**DC-003-TB**
Sample Date		**11/11/2010**	**9/20/1998**	**9/11/1998**	**9/10/1998**	**9/22/1998**	**12/1/2004**
Sample Purpose		**TB**	**TB**	**TB**	**TB**	**TB**	**TB**
Parameter	**Units**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**
1,3,5-Trimethylbenzene	µg/L						5 U
1,3-Dichlorobenzene	µg/L						5 U
1,3-Dichloropropane	µg/L						5 U
1,4-Dichlorobenzene	µg/L						5 U
2-Chloroethyl Vinyl Ether	µg/L						10 U
2-Hexanone	µg/L	4 U		10 U	10 U	10 U	10 U
Acetone	µg/L	5 U		10 U	10 U	10 U	31.7 J
Benzene	µg/L	0.19 U		5 U	5 U	5 U	5 U
Bromobenzene	µg/L						5 U
Bromochloromethane	µg/L	0.19 U					5 U
Bromodichloromethane	µg/L	0.2 U		5 U	5 U	5 U	5 U
Bromoform	µg/L	0.22 U		5 U	5 U	5 U	5 U
Bromomethane	µg/L	0.5 UZ		10 U	10 U	10 U	10 U
Carbon Disulfide	µg/L	0.5 U		5 U	5 U	5 U	5 U
Carbon Tetrachloride	µg/L	0.23 U		5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	0.24 U		5 U	5 U	5 U	5 U
Chloroethane	µg/L	0.4 U		10 U	10 U	10 U	10 U
Chloroform	µg/L	0.15 U		5 U	5 U	5 U	5 U
Chloromethane	µg/L	0.58 J		10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	µg/L	0.25 U					5 U
cis-1,3-Dichloropropene	µg/L	0.19 U		5 U	5 U	5 U	5 U
Cumene	µg/L						5 U
Dibromochloromethane	µg/L	0.19 U		5 U	5 U	5 U	5 U
Dibromomethane	µg/L						5 U
Dichlorodifluoromethane	µg/L						10 U
Ethylbenzene	µg/L	0.22 U		5 U	5 U	5 U	5 U
Hexachlorobutadiene	µg/L						5 U
m,p-Xylene	µg/L						5 U
Methyl Ethyl Ketone	µg/L	2.4 U		10 U	10 U	10 U	100 U
Methyl Isobutyl Ketone	µg/L	3 U		10 U	10 U	10 U	10 U

Appendix C
Analytical Results
2010 Phase II RI
Field QC
Trip Blanks
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**FIELDQC**	**LL1-4**
Sample Number		**DA1QC-007-0001-TB**	**R1202TB**	**R5113TB**	**R7007TB**	**R7010TB**	**DC-003-TB**
Sample Date		**11/11/2010**	**9/20/1998**	**9/11/1998**	**9/10/1998**	**9/22/1998**	**12/1/2004**
Sample Purpose		**TB**	**TB**	**TB**	**TB**	**TB**	**TB**
Parameter	**Units**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**	**Result Qual**
Methylene Chloride	µg/L	0.4 U		5 U	0.64 J	5 U	5 U
Naphthalene	µg/L						10 U
n-Butylbenzene	µg/L						5 U
n-Propylbenzene	µg/L						5 U
o-Chlorotoluene	µg/L						5 U
p-Chlorotoluene	µg/L						5 U
p-Cymene	µg/L						5 U
sec-Butylbenzene	µg/L						5 U
sec-Dichloropropane	µg/L						5 U
Styrene	µg/L	0.2 U		5 U	5 U	5 U	5 U
tert-Butylbenzene	µg/L						5 U
Tetrachloroethylene	µg/L	0.3 U		5 U	5 U	5 U	5 U
Toluene	µg/L	0.22 U		5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	µg/L	0.25 U					5 U
trans-1,3-Dichloropropene	µg/L	0.19 U		5 U	5 U	5 U	5 U
Trichloroethylene	µg/L	0.21 U		5 U	5 U	5 U	5 U
Trichlorofluoromethane	µg/L						10 U
Vinyl Acetate	µg/L						10 U
Vinyl Chloride	µg/L	0.18 U		10 U	10 U	10 U	10 U
Xylene, (Total)	µg/L	0.5 U		5 U	5 U	5 U	

DA1 denotes Open Demolition Area #1.
J denotes estimated value.
mg/L denotes milligrams per Liter.
QC denotes quality control.
Qual denotes Laboratoryassigned data qualifier.
TB denotes trip blank.
TCLP denotes toxicity characteristic leaching procedure.
U denotes not detected.
ug/L denotes micrograms per Liter.

Appendix C
Analytical Results
2010 Phase II RI
Investigative Derived Waste
Decon Wash Water
Open Demolition Area #1
RVAAP, Ravenna, Ohio

		Location Code	RVAAP-001-IDW		RVAAP-002-IDW	
		Sample Number	RVAAP-001-IDW-DL		RVAAP-002-IDW-DL	
		Sample Date	9/30/2010		11/11/2010	
		Depth	0 - 0 ft		0 - 0 ft	
		Sample Purpose	REG		REG	
Parameter	**Units**		**Result**	**Qual**	**Result**	**Qual**
Explosives						
1,3,5-Trinitrobenzene	µg/L		0.58	U	0.46	U
1,3-Dinitrobenzene	µg/L		0.5	U	0.4	U
2,4,6-Trinitrotoluene	µg/L		0.55	U	0.44	U
2,4-Dinitrotoluene	µg/L		0.75	U	0.6	U
2,6-Dinitrotoluene	µg/L		0.6	U	0.48	U
2-Amino-4,6-Dinitrotoluene	µg/L		0.6	U	0.48	U
3,5-Dinitroaniline	µg/L				0.46	U
4-Amino-2,6-Dinitrotoluene	µg/L		0.7	U	0.56	U
HMX	µg/L		0.63	U	0.5	U
m-Nitrotoluene	µg/L		0.58	U	0.46	U
Nitrobenzene	µg/L		0.55	U	0.44	U
Nitrocellulose	µg/L		5000	UV	4000	U
Nitroglycerin	µg/L		5.5	U	4.4	U
Nitroguanidine	µg/L		28	U	28	U
o-Nitrotoluene	µg/L		5.7	P	0.8	U
Petn	µg/L		7.5	U	6	U
p-Nitrotoluene	µg/L		0.55	U	0.44	U
RDX	µg/L		0.45	U	0.36	U
Tetryl	µg/L		0.53	U	0.42	U
FIELD TESTS						
pH	STD UNIT		7.38		7.96	
GEN CHEMISTRY						
Cyanide, Total	µg/L		10000	U	10000	U
Flashpoint	F		140		140	
Sulfide	µg/L		2000	U	2000	U
Metals						
Arsenic	µg/L		4	U	83.1	
Barium	µg/L		71		296	
Cadmium	µg/L		0.17	J	5.6	
Chromium	µg/L		15.2		295	
Lead	µg/L		139		75.9	
Mercury	µg/L		0.47		0.71	
Selenium	µg/L		2.3	U	5.8	J
Silver	µg/L		0.7	U	0.7	U
Semivolatiles						
1,2,4-Trichlorobenzene	µg/L		2	UV		
1,2-Dichlorobenzene	µg/L		2.1	UV		
1,3-Dichlorobenzene	µg/L		2.3	UV		
1,4-Dichlorobenzene	µg/L		2.2	UV	0.2	U

Appendix C
Analytical Results
2010 Phase II RI
Investigative Derived Waste
Decon Wash Water
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**RVAAP-001-IDW**		**RVAAP-002-IDW**	
	Sample Number	**RVAAP-001-IDW-DL**		**RVAAP-002-IDW-DL**	
	Sample Date	**9/30/2010**		**11/11/2010**	
	Depth	**0 - 0 ft**		**0 - 0 ft**	
	Sample Purpose	**REG**		**REG**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**
2,4,5-Trichlorophenol	µg/L	13	UV	1.1	U
2,4,6-Trichlorophenol	µg/L	12	UV	1	U
2,4-Dichlorophenol	µg/L	12	UV		
2,4-Dimethylphenol	µg/L	9.5	UV		
2,4-Dinitrophenol	µg/L	17	UV		
2,4-Dinitrotoluene	µg/L	2.4	UV	0.22	U
2,6-Dinitrotoluene	µg/L	3.3	UV		
2-Chloronaphthalene	µg/L	2.1	UV		
2-Chlorophenol	µg/L	10	UV		
2-Methylnaphthalene	µg/L	2	UV		
2-Nitroaniline	µg/L	2.6	UV		
2-Nitrophenol	µg/L	10	UV		
3,3'-Dichlorobenzidine	µg/L	7.7	UV		
3-Nitroaniline	µg/L	3	UV		
4,6-Dinitro-2-Methylphenol	µg/L	19	UV		
4-Bromophenyl Phenyl Ether	µg/L	2.3	UV		
4-Chloro-3-Methylphenol	µg/L	8.8	UV		
4-Chloroaniline	µg/L	1.4	UV		
4-Chlorophenyl Phenyl Ether	µg/L	2.1	UV		
4-Nitrobenzenamine	µg/L	1.7	UV		
4-Nitrophenol	µg/L	13	UV		
Acenaphthene	µg/L	2.1	UV		
Acenaphthylene	µg/L	2	UV		
Anthracene	µg/L	1.3	UV		
Benzo(a)anthracene	µg/L	1.4	UV		
Benzo(a)pyrene	µg/L	1.6	UV		
Benzo(b)fluoranthene	µg/L	2	UV		
Benzo(ghi)perylene	µg/L	2.4	UV		
Benzo(k)fluoranthene	µg/L	2.3	UV		
Benzoic Acid	µg/L	130	UV		
Benzyl Alcohol	µg/L	6.3	UV		
Bis(2-Chloroethoxy)methane	µg/L	2.2	UV		
Bis(2-Chloroethyl)ether	µg/L	2.4	UV		
Bis(2-Chloroisopropyl)ether	µg/L	2.6	UV		
Bis(2-Ethylhexyl)phthalate	µg/L	6.6	JV		
Butyl Benzyl Phthalate	µg/L	5.5	UV		
Carbazole	µg/L	1.4	UV		
Chrysene	µg/L	1.9	UV		
Cresols (Total)	µg/L	16	UV	1.4	U
Dibenzo(a,h)anthracene	µg/L	2	UV		

Appendix C
Analytical Results
2010 Phase II RI
Investigative Derived Waste
Decon Wash Water
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**RVAAP-001-IDW**		**RVAAP-002-IDW**	
Sample Number		**RVAAP-001-IDW-DL**		**RVAAP-002-IDW-DL**	
Sample Date		**9/30/2010**		**11/11/2010**	
Depth		**0 - 0 ft**		**0 - 0 ft**	
Sample Purpose		**REG**		**REG**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**
Dibenzofuran	µg/L	2.2	UV		
Diethyl Phthalate	µg/L	13	JV		
Dimethyl Phthalate	µg/L	6.3	UV		
Di-n-Butyl Phthalate	µg/L	7.8	UV		
Di-n-Octyl Phthalate	µg/L	5.7	UV		
Fluoranthene	µg/L	1.5	UV		
Fluorene	µg/L	2.2	UV		
Hexachlorobenzene	µg/L	3.1	UV	0.47	J
Hexachlorobutadiene	µg/L	2.1	UV	0.19	U
Hexachlorocyclopentadiene	µg/L	3	UV		
Hexachloroethane	µg/L	2.6	UV	0.23	U
Indeno(1,2,3-cd)pyrene	µg/L	2.1	UV		
Isophorone	µg/L	2.1	UV		
Naphthalene	µg/L	2.1	UV		
Nitrobenzene	µg/L	1.9	UV	0.16	U
N-Nitroso-di-n-Propylamine	µg/L	2.1	UV		
N-Nitrosodiphenylamine	µg/L	4.2	UV		
o-Cresol	µg/L	10	UV	0.89	U
Pentachlorophenol	µg/L	13	UV	1.1	U
Phenanthrene	µg/L	3.5	UV		
Phenol	µg/L	5.6	UV		
Pyrene	µg/L	1.5	UV		
Pyridine	µg/L			0.64	U
Volatiles					
1,1,1-Trichloroethane	µg/L	42	U		
1,1,2,2-Tetrachloroethane	µg/L	38	U		
1,1,2-Trichloroethane	µg/L	52	U		
1,1-Dichloroethane	µg/L	40	U		
1,1-Dichloroethylene	µg/L	48	U	48	UV
1,2-Dibromoethane	µg/L	32	U		
1,2-Dichloroethane	µg/L	60	U	60	UV
1,2-Dichloropropane	µg/L	44	U		
1,2-Dimethylbenzene	µg/L	48	U		
2-Hexanone	µg/L	800	U		
Acetone	µg/L	15000			
Benzene	µg/L	38	U	38	UV
Bromochloromethane	µg/L	38	U		
Bromodichloromethane	µg/L	40	U		
Bromoform	µg/L	44	U		
Bromomethane	µg/L	100	U		

Appendix C
Analytical Results
2010 Phase II RI
Investigative Derived Waste
Decon Wash Water
Open Demolition Area #1
RVAAP, Ravenna, Ohio

Location Code		**RVAAP-001-IDW**		**RVAAP-002-IDW**	
Sample Number		**RVAAP-001-IDW-DL**		**RVAAP-002-IDW-DL**	
Sample Date		**9/30/2010**		**11/11/2010**	
Depth		**0 - 0 ft**		**0 - 0 ft**	
Sample Purpose		**REG**		**REG**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**
Carbon Disulfide	µg/L	100	UA		
Carbon Tetrachloride	µg/L	46	U	46	UV
Chlorobenzene	µg/L	48	U	48	UV
Chloroethane	µg/L	80	U		
Chloroform	µg/L	30	U	30	UV
Chloromethane	µg/L	80	U		
cis-1,2-Dichloroethene	µg/L	50	U		
cis-1,3-Dichloropropene	µg/L	38	U		
Dibromochloromethane	µg/L	38	U		
Ethylbenzene	µg/L	44	U		
Methyl Ethyl Ketone	µg/L	480	U	480	UV
Methyl Isobutyl Ketone	µg/L	600	U		
Methylene Chloride	µg/L	80	U		
Styrene	µg/L	40	U		
Tetrachloroethylene	µg/L	60	U	60	UV
Toluene	µg/L	59	J		
trans-1,2-Dichloroethene	µg/L	50	U		
trans-1,3-Dichloropropene	µg/L	38	U		
Trichloroethylene	µg/L	42	U	42	UV
Vinyl Chloride	µg/L	36	U	36	UV
Xylene, (Total)	µg/L	100	U		

B denotes compound detected in associate blank.
F denotes degrees Fahrenheit.
HMX denotes octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine.
IDW denotes investigation derived waste.
J denotes estimated value.
Qual denotes laboratory assigned data qualifier.
RDX denotes hexahydro-1,3,5-trinitro-1,3,5-triazine.
U denotes not detected..
ug/L denotes micrograms per Liter.
V denotes rasied quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Appendix C
Analytical Results
2010 Phase II RI
Investigative Derived Waste Soils
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**RVAAP-001-IDW**		**RVAAP-002-IDW**	
	Sample Number	**RVAAP-001-IDW-SO**		**RVAAP-002-IDW-SO**	
	Sample Date	**9/30/2010**		**11/11/2010**	
	Depth	**0 - 0 ft**		**0 - 0 ft**	
	Sample Purpose	**REG**		**REG**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**
Explosives					
1,3,5-Trinitrobenzene	mg/kg	0.13	U	0.13	U
1,3-Dinitrobenzene	mg/kg	0.08	U	0.08	U
2,4,6-Trinitrotoluene	mg/kg	0.09	U	0.09	U
2,4-Dinitrotoluene	mg/kg	0.2	U	0.2	U
2,6-Dinitrotoluene	mg/kg	0.07	U	0.07	U
2-Amino-4,6-Dinitrotoluene	mg/kg	0.05	U	0.05	U
3,5-Dinitroaniline	mg/kg	0.09	U	0.09	U
4-Amino-2,6-Dinitrotoluene	mg/kg	0.07	U	0.07	U
HMX	mg/kg	0.12	U	0.12	U
m-Nitrotoluene	mg/kg	0.07	U	0.07	U
Nitrobenzene	mg/kg	0.04	U	0.04	U
Nitrocellulose	mg/kg	7	U	7	U
Nitroglycerin	mg/kg	0.5	U	0.5	U
Nitroguanidine	mg/kg	0.061	U	0.06	U
o-Nitrotoluene	mg/kg	0.09	U	0.09	U
Petn	mg/kg	0.5	U	0.5	U
p-Nitrotoluene	mg/kg	0.07	U	0.07	U
RDX	mg/kg	0.16	U	0.16	U
Tetryl	mg/kg	0.09	U	0.09	U
FIELD TESTS					
pH	STD UNIT	6.92		6.28	
GEN CHEMISTRY					
Cyanide, Total	mg/kg	24.63	U	24	U
Flashpoint	F	140		140	
Sulfide	mg/kg	4.93	U	5	U
Total Solids	Percent	81.2		81.5	
Metals					
Arsenic	mg/kg	14.5		7.1	
Barium	mg/kg	91.1		50	B
Cadmium	mg/kg	0.93	Y	0.41	M,Y
Chromium	mg/kg	19.6	M	12.1	
Lead	mg/kg	41.9		9.5	M,B
Mercury	mg/kg	0.081		0.04	
Selenium	mg/kg	0.65		0.6	
Silver	mg/kg	8.5	Y	0.021	U
Semivolatiles					
1,2,4-Trichlorobenzene	ug/kg	26	UMY		
1,2-Dichlorobenzene	ug/kg	30	UMY		
1,3-Dichlorobenzene	ug/kg	25	UMY		
1,4-Dichlorobenzene	ug/kg	23	UMY	23	U
2,4,5-Trichlorophenol	ug/kg	160	U	160	U
2,4,6-Trichlorophenol	ug/kg	160	U	160	U
2,4-Dichlorophenol	ug/kg	150	U		
2,4-Dimethylphenol	ug/kg	120	U		

Appendix C
Analytical Results
2010 Phase II RI
Investigative Derived Waste Soils
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**RVAAP-001-IDW**		**RVAAP-002-IDW**	
	Sample Number	**RVAAP-001-IDW-SO**		**RVAAP-002-IDW-SO**	
	Sample Date	**9/30/2010**		**11/11/2010**	
	Depth	**0 - 0 ft**		**0 - 0 ft**	
	Sample Purpose	**REG**		**REG**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**
2,4-Dinitrophenol	ug/kg	850	U		
2,4-Dinitrotoluene	ug/kg	30	U	29	U
2,6-Dinitrotoluene	ug/kg	30	U		
2-Chloronaphthalene	ug/kg	28	U		
2-Chlorophenol	ug/kg	420	UM		
2-Methylnaphthalene	ug/kg	54	J		
2-Nitroaniline	ug/kg	28	U		
2-Nitrophenol	ug/kg	350	U		
3,3'-Dichlorobenzidine	ug/kg	190	U		
3-Nitroaniline	ug/kg	27	U		
4,6-Dinitro-2-Methylphenol	ug/kg	330	U		
4-Bromophenyl Phenyl Ether	ug/kg	31	U		
4-Chloro-3-Methylphenol	ug/kg	470	U		
4-Chloroaniline	ug/kg	48	U		
4-Chlorophenyl Phenyl Ether	ug/kg	32	U		
4-Nitrobenzenamine	ug/kg	37	U		
4-Nitrophenol	ug/kg	490	U		
Acenaphthene	ug/kg	30	U		
Acenaphthylene	ug/kg	30	U		
Anthracene	ug/kg	82	J		
Benzo(a)anthracene	ug/kg	250	J		
Benzo(a)pyrene	ug/kg	300	J		
Benzo(b)fluoranthene	ug/kg	420	J		
Benzo(ghi)perylene	ug/kg	210	J		
Benzo(k)fluoranthene	ug/kg	100	J		
Benzoic Acid	ug/kg	360	U		
Benzyl Alcohol	ug/kg	100	UMY		
Bis(2-Chloroethoxy)methane	ug/kg	28	UM		
Bis(2-Chloroethyl)ether	ug/kg	31	UMY		
Bis(2-Chloroisopropyl)ether	ug/kg	37	U		
Bis(2-Ethylhexyl)phthalate	ug/kg	110	U		
Butyl Benzyl Phthalate	ug/kg	90	U		
Carbazole	ug/kg	61	J		
Chrysene	ug/kg	240	J		
Cresols (Total)	ug/kg	800	U	790	U
Dibenzo(a,h)anthracene	ug/kg	55	J		
Dibenzofuran	ug/kg	37	J		
Diethyl Phthalate	ug/kg	79	U		
Dimethyl Phthalate	ug/kg	78	U		
Di-n-Butyl Phthalate	ug/kg	98	U		
Di-n-Octyl Phthalate	ug/kg	73	U		
Fluoranthene	ug/kg	540			
Fluorene	ug/kg	32	J		
Hexachlorobenzene	ug/kg	35	U	34	U
Hexachlorobutadiene	ug/kg	77	UMY	75	U

Appendix C
Analytical Results
2010 Phase II RI
Investigative Derived Waste Soils
Open Demolition Area #1
RVAAP, Ravenna, Ohio

		Location Code	RVAAP-001-IDW		RVAAP-002-IDW	
		Sample Number	RVAAP-001-IDW-SO		RVAAP-002-IDW-SO	
		Sample Date	9/30/2010		11/11/2010	
		Depth	0 - 0 ft		0 - 0 ft	
		Sample Purpose	REG		REG	
Parameter	**Units**		**Result**	**Qual**	**Result**	**Qual**
Hexachlorocyclopentadiene	ug/kg		64	UM		
Hexachloroethane	ug/kg		41	UMY	40	U
Indeno(1,2,3-cd)pyrene	ug/kg		200	J		
Isophorone	ug/kg		62	U		
Naphthalene	ug/kg		50	JY		
Nitrobenzene	ug/kg		73	UMY	72	U
N-Nitroso-di-n-Propylamine	ug/kg		86	U		
N-Nitrosodiphenylamine	ug/kg		62	U		
o-Cresol	ug/kg		520	U	510	U
Pentachlorophenol	ug/kg		300	U	290	U
Phenanthrene	ug/kg		300	J		
Phenol	ug/kg		200	U		
Pyrene	ug/kg		420	J		
Pyridine	ug/kg				47	UQ
Volatiles						
1,1,1-Trichloroethane	ug/kg		8.1	U		
1,1,2,2-Tetrachloroethane	ug/kg		4.8	U		
1,1,2-Trichloroethane	ug/kg		6.5	U		
1,1-Dichloroethane	ug/kg		8.9	U		
1,1-Dichloroethylene	ug/kg		13	U	20	U
1,2-Dibromoethane	ug/kg		8.1	U		
1,2-Dichloroethane	ug/kg		9.7	U	15	U
1,2-Dichloropropane	ug/kg		5.7	U		
1,2-Dimethylbenzene	ug/kg		17	J		
2-Hexanone	ug/kg		55	U		
Acetone	ug/kg		51	U		
Benzene	ug/kg		4	U	6.1	U
Bromochloromethane	ug/kg		6.5	U		
Bromodichloromethane	ug/kg		7.3	U		
Bromoform	ug/kg		4.8	U		
Bromomethane	ug/kg		24	U		
Carbon Disulfide	ug/kg		12	U		
Carbon Tetrachloride	ug/kg		8.9	U	13	U
Chlorobenzene	ug/kg		6.5	U	9.8	U
Chloroethane	ug/kg		15	U		
Chloroform	ug/kg		7.3	U	11	U
Chloromethane	ug/kg		20	U		
cis-1,2-Dichloroethene	ug/kg		8.1	U		
cis-1,3-Dichloropropene	ug/kg		8.1	U		
Dibromochloromethane	ug/kg		6.5	U		
Ethylbenzene	ug/kg		7.6	J		
Methyl Ethyl Ketone	ug/kg		81	U	120	U
Methyl Isobutyl Ketone	ug/kg		66	U		
Methylene Chloride	ug/kg		32	U		
Styrene	ug/kg		4.8	U		

Appendix C
Analytical Results
2010 Phase II RI
Investigative Derived Waste Soils
Open Demolition Area #1
RVAAP, Ravenna, Ohio

	Location Code	**RVAAP-001-IDW**		**RVAAP-002-IDW**	
	Sample Number	**RVAAP-001-IDW-SO**		**RVAAP-002-IDW-SO**	
	Sample Date	**9/30/2010**		**11/11/2010**	
	Depth	**0 - 0 ft**		**0 - 0 ft**	
	Sample Purpose	**REG**		**REG**	
Parameter	**Units**	**Result**	**Qual**	**Result**	**Qual**
Tetrachloroethylene	ug/kg	6.5	U	9.8	U
Toluene	ug/kg	17	J		
trans-1,2-Dichloroethene	ug/kg	8.9	U		
trans-1,3-Dichloropropene	ug/kg	5.7	U		
Trichloroethylene	ug/kg	8.1	U	12	U
Vinyl Chloride	ug/kg	11	U	17	U
Xylene, (Total)	ug/kg	23	J		

B denotes compound detected in associate blank
F denotes degrees Fahrenheit
HMX denotes octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IDW denotes investigation derived waste
J denotes estimated value
Qual denotes laboratory assigned data qualifier
M denotes matrix spike and/or matrix spike duplicate recovery outside acceptance limits
mg/kg denotes milligrams per kilogram
RDX denotes hexahydro-1,3,5-trinitro-1,3,5-triazine
U denotes not detected
ug/kg denotes micrograms per kilogram
V denotes rasied quantitation or reporting limit due to limited sample amount or dilution for matrix background interference
Y denotes replicate/duplicate precision outside acceptance limits

CHAIN OF CUSTODY,
PM CONFIRMATION
AND
SAMPLE CONDITION FORMS
DOCUMENTS

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 82452
Client: SHAW E&I INC

Print Date / Time: 11/12/2010 11:31
Received Date / Time / By: 11/12/2010 0935 JLS

Project Name: RVAAP IRP
Project #: 133616

Log-In Date / Time / By: 11/12/2010 1130 JLS
PM: ETK

Coolers: 3659,3642,3723,3718,
Custody Seals Present : **Y**

Temperature: <2.6 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1Z831W251395479459, 1Z831W250197212
Temp Blank Enclosed? **Y**

Notes: SAMPLES REC'D ON ICE.
1 CUSTODY SEAL INTACT ON EACH COOLER. 4 DATED 10NOV2010, 1 DATED 11/11/10, ALL SIGNED
COC INDICATED A SAMPLE= DA1SB-084M-0201-SO, NO SAMPLE MATCHING THAT DESCRIPTION REC'D. HOWEVER, DA1SB-087M-0201-SO WAS REC'D WITH SAME DATE AND TIME LISTED FOR MISSING SAMPLE. NO SAMPLE DESCRIPTION MATCHING THAT LISTED ON COC. PER ETK, CONTACTED BRIAN MCCARTHY AND SHOULD BE -87M- RATHER THAN -84M-.
1 AMBER GLASS FOR SAMPLE DA1QC-003-0001-ER REC'D BROKEN

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
870994 RVAAP-002-IDW-DL					
	AMBER GL	1		8270,EXPL,NC	
	AMBER GL	1		8270,EXPL,NC	
	AMBER GL	1		8270,EXPL,NC	
	AMBER GL	1		8270,EXPL,NC	
	AMBER GL	1		8270,EXPL,NC	
	AMBER GL	1		8270,EXPL,NC	
	Total # of Containers of Type (*AMBER GL*) = 6				
870994 RVAAP-002-IDW-DL					
	UNPRES PL	1		CN React,FLASH,pH,S2 Re	
	Total # of Containers of Type (*UNPRES PL*) = 1				
870994 RVAAP-002-IDW-DL					
	NA0H PL	1		CYN HOLD	
	Total # of Containers of Type (*NA0H PL*) = 1				
870994 RVAAP-002-IDW-DL					
	HNO3	1		HG,ICP	
	Total # of Containers of Type (*HNO3*) = 1				
870994 RVAAP-002-IDW-DL					
	VOA HCL	1		VOC	
	VOA HCL	1		VOC	
	VOA HCL	1		VOC	
	Total # of Containers of Type (*VOA HCL*) = 3				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
870995 RVAAP-002-IDW-SO					
	SOLIDS	1		%SOL,CN React,HG,ICP,pH	
	SOLIDS	1		%SOL,CN React,HG,ICP,pH	
	Total # of Containers of Type (*SOLIDS*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
870995 RVAAP-002-IDW-SO	UNPRES GL	1		8270,EXPL,NC	
	UNPRES GL	1		8270,EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 2				
870995 RVAAP-002-IDW-SO	SOLIDS	1		FLASH	
	Total # of Containers of Type (*SOLIDS*) = 1				
870995 RVAAP-002-IDW-SO	UNPRES GL	1		VOC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
870996 DA1QC-007-0001-TB	VOA HCL	1		VOC	
	Total # of Containers of Type (*VOA HCL*) = 1				
871007 DA1SS-053M-0201-SO	SOLIDS	1		%SOL,CR6,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871007 DA1SS-053M-0201-SO	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871007 DA1SS-053M-0201-SO	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871020 DA1SS-054M-0201-SO	SOLIDS	1		%SOL,CR6,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871020 DA1SS-054M-0201-SO	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871020 DA1SS-054M-0201-SO	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871021 DA1SB-073D-0201-SO	UNPRES GL	1		VOC,%SOL	
	UNPRES GL	1		VOC,%SOL	
	UNPRES GL	1		VOC,%SOL	
	Total # of Containers of Type (*UNPRES GL*) = 3				
871026 DA1SB-073M-0201-SO	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	

Total # of Containers of Type (*SOLIDS*) = 1

871026 DA1SB-073M-0201-SO

UNPRES GL	1		8270,EXPL,NC,PCB,PEST

Total # of Containers of Type (*UNPRES GL*) = 1

871026 DA1SB-073M-0201-SO

FOR LABEL ONLY	1		SOIL PREP/MIX
FOR LABEL ONLY	1		SOIL PREP/MIX

Total # of Containers of Type (*FOR LABEL ONLY*) = 2

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871027 DA1SB-073M-0202-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	

Total # of Containers of Type (*SOLIDS*) = 1

871027 DA1SB-073M-0202-SO

UNPRES GL	1		EXPL

Total # of Containers of Type (*UNPRES GL*) = 1

871027 DA1SB-073M-0202-SO

FOR LABEL ONLY	1		SOIL PREP/MIX
FOR LABEL ONLY	1		SOIL PREP/MIX

Total # of Containers of Type (*FOR LABEL ONLY*) = 2

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871036 DA1SB-073M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	

Total # of Containers of Type (*SOLIDS*) = 1

871036 DA1SB-073M-0203-SO

UNPRES GL	1		EXPL

Total # of Containers of Type (*UNPRES GL*) = 1

871036 DA1SB-073M-0203-SO

FOR LABEL ONLY	1		SOIL PREP/MIX
FOR LABEL ONLY	1		SOIL PREP/MIX

Total # of Containers of Type (*FOR LABEL ONLY*) = 2

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871037 DA1SB-073M-0204-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	

Total # of Containers of Type (*SOLIDS*) = 1

871037 DA1SB-073M-0204-SO

UNPRES GL	1		EXPL

Total # of Containers of Type (*UNPRES GL*) = 1

871037 DA1SB-073M-0204-SO

FOR LABEL ONLY	1		SOIL PREP/MIX
FOR LABEL ONLY	1		SOIL PREP/MIX

Total # of Containers of Type (*FOR LABEL ONLY*) = 2

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871038 DA1SB-074M-0201-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	

Total # of Containers of Type (*SOLIDS*) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871038 DA1SB-074M-0201-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871038 DA1SB-074M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871039 DA1SB-074M-0202-SO					
	SOLIDS	1		%SOL,CYN,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871039 DA1SB-074M-0202-SO					
	UNPRES GL	1		8270,EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871039 DA1SB-074M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871040 DA1SB-074D-0203-SO					
	UNPRES GL	1		VOC,%SOL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871041 DA1SB-074M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871041 DA1SB-074M-0203-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871041 DA1SB-074M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871042 DA1SB-074M-0204-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871042 DA1SB-074M-0204-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871042 DA1SB-074M-0204-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

82452

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871043 DA1SB-075M-0201-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871043 DA1SB-075M-0201-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871043 DA1SB-075M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871044 DA1SB-087M-0201-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871044 DA1SB-087M-0201-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871044 DA1SB-087M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871045 DA1SB-075M-0202-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871045 DA1SB-075M-0202-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871045 DA1SB-075M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871046 DA1SB-075M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871046 DA1SB-075M-0203-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871046 DA1SB-075M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871047 DA1SB-075M-0204-SO					

		SOLIDS	1	%SOL,HG,ICP,K,NA
		Total # of Containers of Type (*SOLIDS*) = 1		
871047	DA1SB-075M-0204-SO			
		UNPRES GL	1	EXPL
		Total # of Containers of Type (*UNPRES GL*) = 1		
871047	DA1SB-075M-0204-SO			
		FOR LABEL ONLY	1	SOIL PREP/MIX
		FOR LABEL ONLY	1	SOIL PREP/MIX
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2		

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871048 DA1SB-076M-0201-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871048 DA1SB-076M-0201-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871048 DA1SB-076M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871049 DA1SB-076M-0202-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871049 DA1SB-076M-0202-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871049 DA1SB-076M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871050 DA1SB-076M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871050 DA1SB-076M-0203-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871050 DA1SB-076M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871052 DA1SB-088M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
871052 DA1SB-088M-0203-SO	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871052 DA1SB-088M-0203-SO	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871053 DA1SB-077M-0201-SO	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871053 DA1SB-077M-0201-SO	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871053 DA1SB-077M-0201-SO	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871054 DA1SB-077M-0202-SO	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871054 DA1SB-077M-0202-SO	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871054 DA1SB-077M-0202-SO	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871055 DA1SB-077M-0203-SO	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871055 DA1SB-077M-0203-SO	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
871055 DA1SB-077M-0203-SO	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
871056 DA1SB-077M-0204-SO	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
871056 DA1SB-077M-0204-SO					

		UNPRES GL	1		EXPL
		Total # of Containers of Type (*UNPRES GL*) = 1			
871056	DA1SB-077M-0204-SO				
		FOR LABEL ONLY	1		SOIL PREP/MIX
		FOR LABEL ONLY	1		SOIL PREP/MIX
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2			

Sample ID / Description		Container Type	Cond. Code	pH OK?	Tests	Filtered?
871057	DA1QC-006-0001-TB					
		VOA HCL	1		VOC	
		Total # of Containers of Type (*VOA HCL*) = 1				

Sample ID / Description		Container Type	Cond. Code	pH OK?	Tests	Filtered?
871058	DA1QC-003-0001-ER					
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		Total # of Containers of Type (*AMBER GL*) = 7				
871058	DA1QC-003-0001-ER					
		NA0H PL	1		CYN	
		Total # of Containers of Type (*NA0H PL*) = 1				
871058	DA1QC-003-0001-ER					
		HNO3	1		HG,ICP,K,NA	
		Total # of Containers of Type (*HNO3*) = 1				
871058	DA1QC-003-0001-ER					
		VOA HCL	1		VOC	
		VOA HCL	1		VOC	
		VOA HCL	1		VOC	
		Total # of Containers of Type (*VOA HCL*) = 3				

Condition Code	*Condition Description*
1	Sample Received OK

Rev. 4/2010

CHAIN OF CUSTODY

Page 1 of 1

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617.589.8146
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES

Folder #: 82452
Company: SHAW E&I INC
Project: RVAAP IRP
Logged By: JLS PM: ET

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and condit

Client Special Instructions

Matrix:
GW - groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	Metals (RCRA list)	VOCs (RCRA list)	SVOCs (RCRA list)	Explosives (total)	Propellants (total)	Reactive CN	Reactive Sulfide	Flashpoint	pH	VOC				Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
11.11.10	0900	GW	grab	RVAAP-002-IDW-DL	N	X	X	X	X	X	X	X	X	X							870994
11.11.10	0850	S	grab	RVAAP-002-IDW-SO	N	X	X	X	X	X	X	X	X	X							870995
11.11.10	0845	GW	grab	DAIgc-007-0001-TB	N										X						870996

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires pr
CT Laboratories' approv
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time
	11.11.10 / 1200		
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			11/12/10 1130

Lab Use Only
Ice Present (Yes) No
Temperature 1.6
Cooler # 3659

RML, 11-12-10, 0942

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Appendix C Analytical Results Page 4403

Shaw Environmental & Infrastructure, Inc.

Rev. 4/2010

CHAIN OF CUSTODY

Page 1 of 3

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617.589.8146
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

82452

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Client Special Instructions*

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
11.10.10	1100	S	grab	DA1ss-053m-0201-SO	N	X	X		X										1		~~87097~~ 87100
11.10.10	1400	S	grab	DA1ss-054m-0201-SO	N	X	X		X										1		87102
11.10.10	1240	S	grab	DA1sb-073d-0201-SO	N					X									4		87102
11.10.10	1240	S	grab	DA1sb-073d-0201-MS	N					X									4		~~87102~~ 87100
11.10.10	1240	S	grab	DA1sb-073d-0201-MD	N					X									4		~~87102~~ 87102
11.10.10	1240	S	grab	DA1sb-073m-0201-SO	N	X	X	X	X		X	X	X	X					1		~~87103~~ 87102
11.10.10	1250	S	grab	DA1sb-073m-0201-MS	N	X	X	X	X		X	X	X	X					1		~~87103~~ 87103 "
11.10.10	1250	S	grab	DA1sb-073m-0201-~~MS~~ MD	N	X	X	X	X		X	X	X	X					1		~~87103~~ 87103 "
11.10.10	1300	S	grab	DA1sb-073m-0202-SO	N	X	X								87102				1		~~87103~~ 87103
11.10.10	1310	S	grab	DA1sb-073m-0203-SO	N	X	X								87103				1		~~87104~~ 87103
11.10.10	1320	S	grab	DA1sb-073m-0204-SO	N	X	X								87103				1		~~87104~~ 87104
11.10.10	1145	S	grab	DA1sb-074m-0201-SO	N	X	X								87103				1		~~87104~~ 87104

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time	Lab Use Only
Bill P. McCoy	11.10.10 / 1800			Ice Present (Yes) No
Received by:	Date/Time	Received for Laboratory by:	Date/Time	Temperature <2.6°
			11/12/10 1130	Cooler # 3642, 3723, 3718 XXX, PML 11-12-10 0950

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Appendix C Analytical Results
Page 4404

Shaw Environmental & Infrastructure Inc.

CHAIN OF CUSTODY

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617.589.8146
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:
82452

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

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Address:

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Client Special Instructions

Matrix:
GW - groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
11.10.10	1155	S	grab	DA1sb-074m-0202-SO	N	X	X	X			X	X	X	X					1		871043039
11.10.10	1205	S	grab	DA1sb-074d-0203-SO	N					X									3		871044040
11.10.10	1205	S	grab	DA1sb-074m-0203-SO	N	X	X												1		871045041
11.10.10	1215	S	grab	DA1sb-074m-0204-SO	N	X	X												1		871046042
11.10.10	1040	S	grab	DA1sb-075m-0201-SO	N	X	X												1		871047043
11.10.10	1040	S	grab	DA1sb-084m-0201-SO	N	X	X												1		871048044
11.10.10	1050	S	grab	DA1sb-075m-0202-SO	N	X	X												1		871049045
11.10.10	1100	S	grab	DA1sb-075m-0203-SO	N	X	X												1		871050046
11.10.10	1110	S	grab	DA1sb-075m-0204-SO	N	X	X												1		871051047
11.10.10	0930	S	grab	DA1sb-076m-0201-SO	N	X	X												1		871052048
11.10.10	0940	S	grab	DA1sb-076m-0202-SO	N	X	X												1		871053049
11.10.10	0950	S	grab	DA1sb-076m-0203-SO	N	X	X												1		871054050

Relinquished By:	Date/Time	Received By:	Date/Time	Lab Use Only
Bri P. McCoy	11.10.10 / 1800			Ice Present (Yes) No
Received by:	Date/Time	Received for Laboratory by:	Date/Time	Temperature <2.6°
			11/12/10 1130	Cooler # 3642, 3723, 5718 XXXX

RML 11-12-10 0950

Rev. 4/2010

CHAIN OF CUSTODY

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617.589.8146
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

82452

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Client Special Instructions*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
11.10.10	0950	S	grab	DA1sb-088m-0203-SO	N	X	X												1		871056 052
~~11.10.10~~	~~—~~	~~S~~	~~grab~~	~~DA1sb-076m-0204-SO~~	~~N~~	~~X~~	~~X~~												~~1~~		
11.10.10	1400	S	grab	DA1sb-077m-0201-SO	N	X	X												1		871053
11.10.10	1410	S	grab	DA1sb-077m-0202-SO	N	X	X												1		871054
11.10.10	1420	S	grab	DA1sb-077m-0203-SO	N	X	X												1		871055
11.10.10	1430	S	grab	DA1sb-077m-0204-SO	N	X	X												1		871056
11.10.10	0800	GW	grab	DA1qc-006-0001-TB	N					X									3		871057
11.10.10	1630	GW	grab	DA1qc-003-0001-ER	N	X	X	X		X	X	X	X	X					13		871058
~~11.10.10~~	~~—~~	~~GW~~	~~grab~~	~~SCqc-007-0001-TB~~	~~N~~					~~X~~									~~3~~		
~~11.10.10~~	~~—~~	~~GW~~	~~grab~~	~~SCqc-006-0001-ER~~	~~N~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~							

Relinquished By:	Date/Time	Received By:	Date/Time	Lab Use Only
Bill P. McCoy	11.10.10 / 1800			Ice Present (Yes) No
Received by:	Date/Time	Received for Laboratory by:	Date/Time	Temperature <2.6°
			11/12/10 1130	Cooler # 3642, 3723, 3718 XXX

PML 11-12-10 0950

C-160
Appendix C Analytical Results
Page 4406
Shaw Environmental & Infrastructure Inc.

CHAIN OF CUSTODY,
PM CONFIRMATION
AND
SAMPLE CONDITION FORMS
DOCUMENTS

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 81575
Client: SHAW E&I INC

Print Date / Time: 09/24/2010 02:47
Received Date / Time / By: 09/24/2010 1040 PML

Project Name: RAVAAP A/E
Project #: 133616

Log-In Date / Time / By: 09/24/2010 1445 JLS
PM: ETK

Coolers: 5 COOLERS
Custody Seals Present : **Y**

Temperature: ≤4.3 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: INITIALED
Tracking Number: J2245159706,"9680,"9715,"9724,"9699
Temp Blank Enclosed? **Y**

Notes: SAMPLES REC'D ON ICE IN GOOD CONDITION.
5 COOLERS REC'D- COOLER #'S- 3337(4.3C), 3698 (2.2C), 3333 (3.3C), XXXX (3.4C), 3789 (3.3C).
THE FOLLOWING INCONSISTENCIES WERE FOUND

1) COC INDICATED SAMPLE SCSS-066M-0001-SO 9/22/10 @ 1005- NO SAMPLE RECEIVED
2) COC INDICATED SAMPLE SCSB-036M-0001-SO 9/22/10 @ 1305- NO SAMPLE RECEIVED
3) SAMPLE SCSB-037M-0001-SO LISTED ON COC TWICE AND 2 SAMPLES PROVIDED- CLIENT ADVISED TO SUB ONE SAMPLE TO RTI
4) SAME SCSB-038M-0005-SO- COC INDICATED 1 SAMPLE SENT- REC'D 2- PER CLIENT SEND ONE TO RTI
5) COC INDICATED A SAMPLE OF SCSB-081-0004-SO- SAMPLE CONTAINER DESCRIPTION SCSB-081M-0005-SO- CLIENT ADVISED SAMPLE CONTAINER WAS CORRECT
6) COC INDICATED A SAMPLE OF DA1SB-054M-0002-SO- SAMPLE CONTAINER DESCRIPTION WAS DA1SB-055M-0002-SO- CLIENT ADVISED THAT SAMPLE CONTAINER WAS CORRECT
7) A FEW TIMES ON SAMPLES WERE INCONSISTENT WITH WHAT WAS ON THE COC- CLIENT ADVISED TO FOLLOW THE COC
8) COC INDICATED SCQC-002-0001-ER WAS A SOIL AND THAT ONE CONTAINER WAS SUBMITTED- SAMPLE IS ACTUALLY A WATER AND 3 AMBER GLASS AND 2 HNO3 CONTAINERS WERE REC'D

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851475 SCSS-065M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851475 SCSS-065M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851475 SCSS-065M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851476 SCSS-063M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851476 SCSS-063M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851476 SCSS-063M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

81575

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851478 SCSB-035M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851478 SCSB-035M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851478 SCSB-035M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851479 SCSB-035M-0002-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851479 SCSB-035M-0002-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851479 SCSB-035M-0002-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851480 SCSB-035M-0003-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851480 SCSB-035M-0003-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851480 SCSB-035M-0003-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851481 SCSB-035M-0004-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851481 SCSB-035M-0004-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851481 SCSB-035M-0004-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851482 SCSB-035M-0005-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851482 SCSB-035M-0005-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851482 SCSB-035M-0005-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851484 SCSB-036M-0002-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851484 SCSB-036M-0002-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851484 SCSB-036M-0002-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851485 SCSB-036M-0003-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851485 SCSB-036M-0003-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851485 SCSB-036M-0003-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851486 SCSB-036M-0004-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851486 SCSB-036M-0004-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851486 SCSB-036M-0004-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?

851487	SCSB-036M-0005-SO				
		SOLIDS	1		%SOL,HG,ICP,K,NA
		Total # of Containers of Type (*SOLIDS*) = 1			
851487	SCSB-036M-0005-SO				
		UNPRES GL	1		8270,EXPL
		Total # of Containers of Type (*UNPRES GL*) = 1			
851487	SCSB-036M-0005-SO				
		FOR LABEL ONLY	1		SOIL PREP/MIX
		FOR LABEL ONLY	1		SOIL PREP/MIX
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2			

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851488 SCSB-037M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851488 SCSB-037M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851488 SCSB-037M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851495 SCSB-037D-0001-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
851495 SCSB-037D-0001-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851497 SCSB-080D-0001-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
851497 SCSB-080D-0001-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851498 SCSB-080M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851498 SCSB-080M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851498 SCSB-080M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	

		FOR LABEL ONLY	1		SOIL PREP/MIX
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2			

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851502 SCSB-037M-0002-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851502 SCSB-037M-0002-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851502 SCSB-037M-0002-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851503 SCSB-037M-0003-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851503 SCSB-037M-0003-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851503 SCSB-037M-0003-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851504 SCSB-037M-0004-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851504 SCSB-037M-0004-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851504 SCSB-037M-0004-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851505 SCSB-037M-0005-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851505 SCSB-037M-0005-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851505 SCSB-037M-0005-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851506 SCSB-038M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851506 SCSB-038M-0001-SO					
	FOR LABEL ONLY	1		8270,EXPL	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 1				
851506 SCSB-038M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 8				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851507 SCSB-038M-0002-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851507 SCSB-038M-0002-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851507 SCSB-038M-0002-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851508 SCSB-038M-0003-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851508 SCSB-038M-0003-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851508 SCSB-038M-0003-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851509 SCSB-038M-0004-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851509 SCSB-038M-0004-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851509 SCSB-038M-0004-SO					

		FOR LABEL ONLY	1		SOIL PREP/MIX
		FOR LABEL ONLY	1		SOIL PREP/MIX
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2			

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851510 SCSB-038M-0005-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851510 SCSB-038M-0005-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851510 SCSB-038M-0005-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851512 SCSB-038D-0004-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
851512 SCSB-038D-0004-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851513 SCSB-081M-0005-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851513 SCSB-081M-0005-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851513 SCSB-081M-0005-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851514 DA1SB-056M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851514 DA1SB-056M-0001-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851514 DA1SB-056M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851515 DA1SB-056M-0002-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851515 DA1SB-056M-0002-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851515 DA1SB-056M-0002-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851516 DA1SB-056M-0003-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851516 DA1SB-056M-0003-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851516 DA1SB-056M-0003-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851517 DA1SB-056M-0004-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851517 DA1SB-056M-0004-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851517 DA1SB-056M-0004-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851518 DA1SB-055M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851518 DA1SB-055M-0001-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851518 DA1SB-055M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851519 DA1SB-055M-0002-SO					

		SOLIDS	1		%SOL,HG,ICP,K,NA
		Total # of Containers of Type (*SOLIDS*) = 1			
851519	DA1SB-055M-0002-SO				
		UNPRES GL	1		EXPL
		Total # of Containers of Type (*UNPRES GL*) = 1			
851519	DA1SB-055M-0002-SO				
		FOR LABEL ONLY	1		SOIL PREP/MIX
		FOR LABEL ONLY	1		SOIL PREP/MIX
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2			

Sample ID / Description		Container Type	Cond. Code	pH OK?	Tests	Filtered?
851520	DA1SB-055M-0003-SO					
		SOLIDS	1		%SOL,HG,ICP,K,NA	
		Total # of Containers of Type (*SOLIDS*) = 1				
851520	DA1SB-055M-0003-SO					
		UNPRES GL	1		EXPL	
		Total # of Containers of Type (*UNPRES GL*) = 1				
851520	DA1SB-055M-0003-SO					
		FOR LABEL ONLY	1		SOIL PREP/MIX	
		FOR LABEL ONLY	1		SOIL PREP/MIX	
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description		Container Type	Cond. Code	pH OK?	Tests	Filtered?
851521	SCQC-002-0001-TB					
		VOA HCL	1		VOC	
		Total # of Containers of Type (*VOA HCL*) = 1				

Sample ID / Description		Container Type	Cond. Code	pH OK?	Tests	Filtered?
851524	SCQC-002-0001-ER					
		AMBER GL	1		8270,EXPL	
		AMBER GL	1		8270,EXPL	
		AMBER GL	1		8270,EXPL	
		Total # of Containers of Type (*AMBER GL*) = 3				
851524	SCQC-002-0001-ER					
		HNO3	1	Y	HG,ICP,K,NA	
		HNO3	1	Y	HG,ICP,K,NA	
		Total # of Containers of Type (*HNO3*) = 2				

Sample ID / Description		Container Type	Cond. Code	pH OK?	Tests	Filtered?
851525	SCSS-059M-0001-SO					
		SOLIDS	1		%SOL,HG,ICP,K,NA	
		Total # of Containers of Type (*SOLIDS*) = 1				
851525	SCSS-059M-0001-SO					
		UNPRES GL	1		EXPL	
		Total # of Containers of Type (*UNPRES GL*) = 1				
851525	SCSS-059M-0001-SO					
		FOR LABEL ONLY	1		SOIL PREP/MIX	
		FOR LABEL ONLY	1		SOIL PREP/MIX	
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851526 SCSS-060M-0001-SO					
	SOLIDS	1		%SOL,CR6,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851526 SCSS-060M-0001-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851526 SCSS-060M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851527 SCSS-061M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
851527 SCSS-061M-0001-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851527 SCSS-061M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851528 DA1SB-059M-0201-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
851528 DA1SB-059M-0201-SO					
	UNPRES GL	1		EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851528 DA1SB-059M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
851529 DA1SB-064M-0201-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
851529 DA1SB-064M-0201-SO					
	UNPRES GL	1		EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
851529 DA1SB-064M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Condition Code Condition Description

1 Sample Received OK

81575

Korthals, Eric

Subject: FW: SDG 81543 (folder 81578) sample condition report - Ravenna
Attachments: 81578scf

From: Korthals, Eric
Sent: Monday, September 27, 2010 2:37 PM
To: 'david.crispo@shawgrp.com'; 'Rahman, Maqsud'
Subject: SDG 81543 (folder 81578) sample condition report - Ravenna

This is the sample that was missing as part of the 9-23-10 sample receipt (sent to RTI by mistake).

Several items to resolve yet for sample receipt on 9-24-10 that I haven't heard back on yet.

1) received a VOC sample (SCsb-081d-0005-SO) that wasn't on the COC and was instructed to hold until field notes could be checked.

2) two samples were missing (SCss-066m-0001-SO and SCsb-036m-0001-SO)

Eric T. Korthals
CTLaboratories
1230 Lange Ct
Baraboo, WI 53913
phone: 608-356-2760
fax: 608-356-2766
ekorthals@ctlaboratories.com

Korthals, Eric

Subject: FW: SDG 81543 (folder 81578) sample condition report - Ravenna

-----Original Message-----
From: McCarthy, Brian P [mailto:brian.mccarthy@shawgrp.com]
Sent: Monday, September 27, 2010 5:05 PM
To: Korthals, Eric
Cc: David Crispo
Subject: Re: SDG 81543 (folder 81578) sample condition report - Ravenna

Eric
Issue #1: run sample please. (etk 9-28-10 this is regard to VOC SCsb-081d-0005-SO) Issue # 2: I'm looking into either sample being submitted the following day. Have the samples submitted on 09/25/10 been located? Were there any issues with that submission?

--thanks
Brian P. McCarthy

On Sep 27, 2010, at 5:02 PM, "Crispo, David" <david.crispo@shawgrp.com> wrote:

> ekorthals@CTLaboratories.com

Korthals, Eric

From: McCarthy, Brian P [brian.mccarthy@shawgrp.com]
Sent: Wednesday, October 20, 2010 12:00 PM
To: Korthals, Eric
Subject: RE: sample receipt info for 81718 - Ravenna

Eric
The following corrections to CTs records need to be made. Three sample IDs need to be adjusted.
Thank you very much.

Date	Time	Matrix	Type	(Old) Sample ID	New Sample ID
09.22.10	1125	S	grab	SCsb-038d-0004-SO	SCsb-038d-0005-SO
09.22.10	1125	S	grab	SCsb-081m-0004-SO	SCsb-081m-0005-SO
09.22.10	1125	S	grab	SCsb-081d-0004-SO	SCsb-081d-0005-SO

McCarthy
Geologist
Applied Science & Engineering
Shaw Environmental & Infrastructure Group
50 Thomas Patten Drive
Randolph, MA 02368
617.589.1026 direct
617.589.2922 fax
brian.mccarthy@shawgrp.com

Shaw™ a world of Solutions™
www.shawgrp.com

From: Korthals, Eric [mailto:ekorthals@CTLaboratories.com]
Sent: Wednesday, October 20, 2010 11:19 AM
To: McCarthy, Brian P
Subject: sample receipt info for 81718 - Ravenna

Eric T. Korthals
CTLaboratories
1230 Lange Ct
Baraboo, WI 53913
phone: 608-356-2760
fax: 608-356-2766
ekorthals@ctlaboratories.com

Rev. 4/2010

CHAIN OF CUSTODY

Page 1 of 4

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 81575
Company: SHAW E&I INC
Project: RAVAAP IRP
Logged By: JLS PM: ET

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
09.22.10	1125	S	grab	SCss-065m-0001-SO	N	X	X	X													851475
09.22.10	1510	S	grab	SCss-063m-0001-SO	N	X	X	X													851476
09.22.10	1005	S	grab	SCss-066m-0001-SO	N	X	X	X	X		No Sample rec'd										851477
09.22.10	1105	S	grab	SCsb-035m-0001-SO	N	X	X	X													851478
09.22.10	1110	S	grab	SCsb-035m-0002-SO	N	X	X	X													851479
09.22.10	1115	S	grab	SCsb-035m-0003-SO	N	X	X	X													851480
09.22.10	1120	S	grab	SCsb-035m-0004-SO	N	X	X	X													851481
09.22.10	1125	S	grab	SCsb-035m-0005-SO	N	X	X	X													851482
09.22.10	1305	S	grab	SCsb-036m-0001-SO	N	X	X	X	X		No Sample rec'd										851483
09.22.10	1310	S	grab	SCsb-036m-0002-SO	N	X	X	X													851484
09.22.10	1315	S	grab	SCsb-036m-0003-SO	N	X	X	X													851485
09.22.10	1320	S	grab	SCsb-036m-0004-SO	N	X	X	X													851486
09.22.10	1325	S	grab	SCsb-036m-0005-SO	N	X	X	X													851487

Turnaround Time
Normal RUSH*
Date Needed:

Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time
Received by:	Date/Time	Received for Laboratory by:	Date/Time 9/24/10 1445

Lab Use Only
Ice Present (Yes) No
Temperature 24.3
Cooler # 5 Coolers

9/24/10 1040 PDT

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Shaw Environmental & Infrastructure, Inc.

Rev. 4/2010

CHAIN OF CUSTODY

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:
81575

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						ANALYSES REQUESTED															
						Fill in Spaces with Bottles per Test															
09.22.10	1030	S	grab	SCsb-037m-0001-SO	N	X	X	X											1		851488
09.22.10	1030	S	grab	SCsb-037d-0001-SO	N					X									3		851495
09.22.10	1030	S	grab	SCsb-080d-0001-SO	N					X									3		851497
~~09.22.10~~	~~1030~~	~~S~~	~~grab~~	~~SCsb-037m-0001-SO~~	N	X	X	X			send to RTI per client								1		
09.22.10	1030	S	grab	SCsb-080m-0001-SO	N	X	X	X											1		851498
09.22.10	1045	S	grab	SCsb-037m-0002-SO	N	X	X	X											1		851502
09.22.10	1050	S	grab	SCsb-037m-0003-SO	N	X	X	X											1		851503
09.22.10	1055	S	grab	SCsb-037m-0004-SO	N	X	X	X											1		851504
09.22.10	1100	S	grab	SCsb-037m-0005-SO	N	X	X	X											1		851505
09.22.10	1015	S	grab	SCsb-038m-0001-SO	N	X	X	X											3	X	851506
09.22.10	1110	S	grab	SCsb-038m-0002-SO	N	X	X	X											1		851507
09.22.10	1115	S	grab	SCsb-038m-0003-SO	N	X	X	X											1		851508
09.22.10	1120	S	grab	SCsb-038m-0004-SO	N	X	X	X											1		851509

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time	*Lab Use Only*
	09.23.10/1710			Ice Present (Yes) No
Received by:	Date/Time	Received for Laboratory by:	Date/Time	Temperature 4.3
			9/24/10 1040	Cooler # 5 coolers

9/24/10 1040 PM

Rev. 4/2010

CHAIN OF CUSTODY

Page 3 of 4

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:
81575

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants				Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test														
09.22.10	1125	S	grab	SCsb-038m-0005-SO	N	X	X	X		two bags recd + send to RTI								1		851510
09.22.10	1125	S	grab	SCsb-038d-0004-SO	N					X								3		851512
09.22.10	1125	S	grab	SCsb-081m-~~0004~~ 0005-SO per client	N	X	X											3		851513
09.22.10	1545	S	grab	DA1sb-056m-0001-SO	N	X	X											1		851514
09.22.10	1550	S	grab	DA1sb-056m-0002-SO	N	X	X											1		851515
09.22.10	1555	S	grab	DA1sb-056m-0003-SO	N	X	X											1		851516
09.22.10	1600	S	grab	DA1sb-056m-0004-SO	N	X	X											1		851517
~~09.22.10~~	~~1605~~	~~S~~	~~grab~~	~~DA1sb-055m-0001-SO~~	~~N~~	~~X~~	~~X~~											1		851518
09.22.10	1610	S	grab	DA1sb-~~054~~m-0002-SO 055m per client	N	X	X											1		851519
09.22.10	1615	S	grab	DA1sb-055m-0003-SO	N	X	X											1		851520
09.22.10	0800 ~~1315~~	S	grab	SCqc-002-0001-TB	N					X								1		851521
09.22.10	1715 ~~1315~~	S	grab	SCqc-002-0001-ER	N	X	X	X										1		851524
09.23.10	0915	S	grab	SCss-059m-0001-SO	N	X	X	X										1		851525

Relinquished By: [signature]
Date/Time 09.23.10/1710
Received by:
Date/Time

Received By:
Date/Time
Received for Laboratory by: [signature]
Date/Time 9/24/10 1445

Lab Use Only
Ice Present (Yes) No
Temperature 4.3
Cooler # 5 coolers

9/24/10 1040 PMC

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Appendix C Analytical Results

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Shaw Environmental & Infrastructure, Inc.

Rev. 4/2010

CHAIN OF CUSTODY

Page 4 of 4

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By: _____

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

81575

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Client Special Instructions*

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
09.23.10	1020	S	grab	SCss-060m-0001-SO	N	X	X	X	X										1		851526
09.23.10	1140	S	grab	SCss-061m-0001-SO	N	X	X	X											1		851527
09.23.10	0915	S	grab	DA1sb-059m-0201-SO	N	X	X	X	X		X	X	X	X					1		851528
09.23.10	1400	S	grab	DA1sb-064m-0201-SO	N	X	X	X	X		X	X	X	X					1		851529

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time	*Lab Use Only*
[signature]	09.23.10/1710			Ice Present (Yes) No
Received by:	Date/Time	Received for Laboratory by:	Date/Time	Temperature 2.4.3
		[signature]	9/24/10 1445	Cooler # 5 coolers

9/24/10 1040 MC

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Shaw Environmental & Infrastructure, Inc.

CHAIN OF CUSTODY,
PM CONFIRMATION
AND
SAMPLE CONDITION FORMS
DOCUMENTS

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 81613
Client: SHAW E&I INC

Print Date / Time: 09/28/2010 02:58
Received Date / Time / By: 09/28/2010 1045 ETK

Project Name: RVAAP A/E
Project #: 133616

Log-In Date / Time / By: 09/28/2010 1155 JLS
PM: ETK

Coolers: 3662,3645,3772,3794, UN#'D
Custody Seals Present : **Y**

Temperature: ≤5.1 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: SIGNED
Tracking Number: J2245159859,"9813,"9822,"9797,"9804
Temp Blank Enclosed? **Y**

Notes: SAMPLES REC'D IN GOOD CONDITION ON ICE. ONE CUSTODY SEAL INTACT ON EACH COOLER- ALL SIGNED SHEILA B.
Coolers 3662 (1.2C), 3645 (5.1C), 3772 (5.1C), 3794 (3.0C), UN#'D (4.5C)
SAMPLE DA1SB-067D-0201-SO- APPEARS TO HAVE ALL MEOH LEAKED OUT OD ONE TARED-STILL ONE OK TO PERFORM ANALYSIS ON
SAMPLE SCSS-069-0001-SO REC'D IN COOLER, NOT LISTED ON COC
DA1SB-070M-0204-SO 9/24/10 AT 0945- LISTED ON COC- NO INCLUDED IN COOLERS
SAMPLE DA1SB-071M-0203-SO (PER COC) SAMPLE WAS LABELED- DA1SB-071M-0204-SO- LOGGED PER COC

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852283 DA1SB-067D-0201-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852283 DA1SB-067D-0201-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852284 DA1SB-067D-0202-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852284 DA1SB-067D-0202-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852285 DA1SB-067D-0203-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852285 DA1SB-067D-0203-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				

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Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852286 DA1SB-067D-0204-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852286 DA1SB-067D-0204-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852287 DA1SB-068D-0201-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852287 DA1SB-068D-0201-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852288 DA1SB-068D-0202-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852288 DA1SB-068D-0202-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852289 DA1SB-068D-0203-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852289 DA1SB-068D-0203-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852290 DA1SB-068D-0204-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852290 DA1SB-068D-0204-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852291 DA1SB-069D-0201-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852291 DA1SB-069D-0201-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852292 DA1SB-069D-0202-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852292 DA1SB-069D-0202-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852293 DA1SB-069D-0203-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852293 DA1SB-069D-0203-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852294 DA1SB-070D-0201-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852294 DA1SB-070D-0201-SO					
	UNPRES PL	1		%SOL	
	UNPRES PL	1		%SOL	
	Total # of Containers of Type (*UNPRES PL*) = 2				
852294 DA1SB-070D-0201-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 6				
852295 DA1SB-070D-0202-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852295 DA1SB-070D-0202-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852296 DA1SB-070D-0203-SO					
	SOLIDS	1		%SOL	

Total # of Containers of Type (*SOLIDS*) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852296 DA1SB-070D-0203-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852297 DA1SB-084D-0201-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852297 DA1SB-084D-0201-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852298 DA1SB-085D-0204-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852298 DA1SB-085D-0204-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852299 DA1QC-001-0001-TB					
	VOA HCL	1		VOC	
	Total # of Containers of Type (*VOA HCL*) = 1				
852300 DA1QC-002-0001-TB					
	VOA HCL	1		VOC	
	Total # of Containers of Type (*VOA HCL*) = 1				
852301 DA1SB-071D-0201-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852301 DA1SB-071D-0201-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				
852302 SCSS-057D-0001-SO					
	SOLIDS	1		%SOL	
	SOLIDS	1		%SOL	
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 3				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852302 SCSS-057D-0001-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 5				
852322 SCSS-058M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852322 SCSS-058M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852322 SCSS-058M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852334 SCSS-085M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852334 SCSS-085M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852334 SCSS-085M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852338 SCSS-057M-0001-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
852338 SCSS-057M-0001-SO					
	UNPRES GL	1		8270,EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852338 SCSS-057M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 4				
852362 SCSS-044M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852362 SCSS-044M-0001-SO					
	UNPRES GL	1		8270,EXPL	

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Total # of Containers of Type (*UNPRES GL*) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852362 SCSS-044M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852369 DA1SB-067M-0201-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852369 DA1SB-067M-0201-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852369 DA1SB-067M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852370 DA1SB-067M-0202-SO					
	SOLIDS	1		%SOL,CR6,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852370 DA1SB-067M-0202-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852370 DA1SB-067M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852371 DA1SB-067M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852371 DA1SB-067M-0203-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852371 DA1SB-067M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852372 DA1SB-067M-0204-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852372 DA1SB-067M-0204-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				

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Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852372 DA1SB-067M-0204-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852373 DA1SB-068M-0201-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
852373 DA1SB-068M-0201-SO					
	UNPRES GL	1		8270,EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852373 DA1SB-068M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852374 DA1SB-068M-0202-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852374 DA1SB-068M-0202-SO					
	UNPRES GL	1		EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852374 DA1SB-068M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852375 DA1SB-068M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852375 DA1SB-068M-0203-SO					
	UNPRES GL	1		EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852375 DA1SB-068M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				
852376 DA1SB-068M-0204-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852376 DA1SB-068M-0204-SO					
	UNPRES GL	1		EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852376 DA1SB-068M-0204-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	

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		FOR LABEL ONLY	1		SOIL PREP/MIX
		Total # of Containers of Type (*FOR LABEL ONLY*) = 2			

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852377 DA1SB-069M-0201-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
852377 DA1SB-069M-0201-SO					
	UNPRES GL	1		8270,EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852377 DA1SB-069M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852378 DA1SB-069M-0202-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852378 DA1SB-069M-0202-SO					
	UNPRES GL	1		EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852378 DA1SB-069M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852379 DA1SB-069M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852379 DA1SB-069M-0203-SO					
	UNPRES GL	1		EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852379 DA1SB-069M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852380 DA1SB-070M-0201-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852380 DA1SB-070M-0201-SO					
	UNPRES GL	1		EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852380 DA1SB-070M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	

		FOR LABEL ONLY	1		SOIL PREP/MIX
		Total # of Containers of Type (*FOR LABEL ONLY*) = 4			

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852381 DA1SB-070M-0202-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852381 DA1SB-070M-0202-SO					
	UNPRES GL	1		EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852381 DA1SB-070M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852382 DA1SB-070M-0203-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
852382 DA1SB-070M-0203-SO					
	UNPRES GL	1		8270,EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852382 DA1SB-070M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852383 DA1SB-070M-0204-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852383 DA1SB-070M-0204-SO					
	UNPRES GL	1		EXPL,NC	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852383 DA1SB-070M-0204-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852384 DA1SB-071M-0201-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
852384 DA1SB-071M-0201-SO					
	UNPRES GL	1		8270,EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852384 DA1SB-071M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852385 DA1SB-071M-0202-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852385 DA1SB-071M-0202-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852385 DA1SB-071M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852386 DA1SB-071M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852386 DA1SB-071M-0203-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852386 DA1SB-071M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852387 DA1SB-072M-0201-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852387 DA1SB-072M-0201-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852387 DA1SB-072M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852388 DA1SB-072M-0202-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852388 DA1SB-072M-0202-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852388 DA1SB-072M-0202-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

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Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852389 DA1SB-072M-0203-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852389 DA1SB-072M-0203-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852389 DA1SB-072M-0203-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852390 DA1SB-072M-0204-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852390 DA1SB-072M-0204-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852390 DA1SB-072M-0204-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852391 DA1SB-084M-0201-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
852391 DA1SB-084M-0201-SO					
	UNPRES GL	1		8270,EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852391 DA1SB-084M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852392 DA1SB-085M-0204-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852392 DA1SB-085M-0204-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852392 DA1SB-085M-0204-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852393 DA1SB-086M-0204-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852393 DA1SB-086M-0204-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852393 DA1SB-086M-0204-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852394 SCSB-055M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852394 SCSB-055M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852394 SCSB-055M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852395 SCSB-056M-0001-SO					
	SOLIDS	1		%SOL,CR6,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852395 SCSB-056M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852395 SCSB-056M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
854682 SCSS-069M-0001-SO					
	SOLIDS	1		%SOL,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
854682 SCSS-069M-0001-SO					
	UNPRES GL	1		8270,EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
854682 SCSS-069M-0001-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Condition Code	*Condition Description*
1	Sample Received OK

81613

Korthals, Eric

From: McCarthy, Brian P [brian.mccarthy@shawgrp.com]
Sent: Friday, October 01, 2010 8:48 AM
To: Korthals, Eric
Cc: Crispo, David; Berwanger, Ceress
Subject: RE: one more item

Eric
Please find the following resolutions acceptable to answer the outstanding issues with samples submitted to CT between 09.20.10 and 09.29.10. Samples from 09.30.10 will arrive today. Please let me know if there are any issues with those. Thanks.

- DA1sb-071m-0201-SO should not be run for VOCs. However, sample DA1sb-071d-0201-SO was submitted for VOCs for this location.
- The soil samples collected on 09.27.10 were mislabeled on the chain. They need to be identified as:

Old ID	Correct ID
DA1ss-050m-0001-SO	DA1ss-050m-0201-SO
DA1ss-050m-0001-MS	DA1ss-050m-0201-MS
DA1ss-050m-0001-MD	DA1ss-050m-0201-MD
DA1ss-051m-0001-SO	DA1ss-051m-0201-SO
DA1ss-052m-0001-SO	DA1ss-052m-0201-SO
DA1ss-052d-0001-SO	DA1ss-052d-0201-SO
DA1ss-080m-0001-SO	DA1ss-080m-0201-SO

- SCss-069m-0001-SO needs to be added to the COC and run for TAL Metals, Explosives, and SVOCs.
- DA1sb-070m-0204-SO should have been submitted, but if it wasn't sample volume from DA1sb-085m-0204-SO (a duplicate for DA1sb-070m-0204-SO) can be used for analysis. The sample time and date for DA1sb-070m-0204-SO are 09.24.10 / 0945; the same as on the original COC.
- DA1sb-071m-0204-SO was never collected, the bag was mislabeled and the COC was correctly labeled the sample DA1sb-071m-0203-SO. You were correct to use the COC information.
- Samples SCss-058m-0001-SO and SCss-085m-0001-SO were submitted the following day and should be removed from the COC in question.

Thank you very much for all of your effort on this. Please let me know if there are any additional questions or comments. Lastly, after you receive samples today, make corrections to the COCs, etc. would you be able to send me a PDF of the COCs from the last 2 weeks. I know they will be included with the data deliverables, but I'll need an accurate copy going forward. Thanks again.

Brian P. McCarthy
Geologist
Applied Science & Engineering
Shaw Environmental & Infrastructure Group
50 Thomas Patten Drive
Randolph, MA 02368
617.589.1026 direct
617.589.2922 fax

Rev. 4/2010

CHAIN OF CUSTODY

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 81613
Company: SHAW E&I INC
Project: RAVAAP IRP
Logged By: JLS PM: ET

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
09.24.10	1405	S	grab	DA1sb-067d-0201-SO	N					X											852283
09.24.10	1410	S	grab	DA1sb-067d-0202-SO	N					X											852284
09.24.10	1415	S	grab	DA1sb-067d-0203-SO	N					X											852285
09.24.10	1420	S	grab	DA1sb-067d-0204-SO	N					X											852286
09.24.10	0855	S	grab	DA1sb-068d-0201-SO	N					X											852287
09.24.10	0900	S	grab	DA1sb-068d-0202-SO	N					X											852288
09.24.10	0905	S	grab	DA1sb-068d-0203-SO	N					X											852289
09.24.10	0910	S	grab	DA1sb-068d-0204-SO	N					X											852290
09.24.10	0915	S	grab	DA1sb-069d-0201-SO	N					X											852291
09.24.10	0920	S	grab	DA1sb-069d-0202-SO	N					X											852292
09.24.10	0925	S	grab	DA1sb-069d-0203-SO	N					X											852293
09.24.10	0930	S	grab	DA1sb-070d-0201-SO	N					X											852294
09.24.10	0935	S	grab	DA1sb-070d-0202-SO	N					X											852295

Relinquished By:	Date/Time	Received By:	Date/Time	Lab Use Only
Brian P. McCall	09.25.10/1630			Ice Present (Yes) No
Received by:	Date/Time	Received for Laboratory by:	Date/Time	Temperature ≤5.1°
			9/28/10 1155	Cooler # 3662, 3645, 3772, 3794, NONE

ETK, 9-28-10, 1045

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Appendix C Analytical Results Page 7296

Shaw Environmental & Infrastructure, Inc.

Rev. 4/2010

CHAIN OF CUSTODY

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Client Special Instructions

Matrix:
GW – groundwater **SW** - surface water **WW** - wastewater **DW** - drinking water
S - soil/sediment **SL** - sludge **A** - air **M** - misc/waste

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
09.24.10	0940	S	grab	DA1sb-070d-0203-SO	N					X											852296
09.24.10	0930	S	grab	DA1sb-070d-0201-MS	N					X											852294
09.24.10	0930	S	grab	DA1sb-070d-0201-MD	N					X											852295
09.24.10	0855	S	grab	DA1sb-084d-0201-SO	N					X											852297
09.24.10	0945	S	grab	DA1sb-085d-0204-SO	N					X											852298
09.24.10	0800	S	grab	DA1qc-001-0001-TB	N					X											852299
09.24.10	0800	S	grab	DA1qc-002-0001-TB	N					X											852300
09.24.10	1350	S	grab	DA1sb-071d-0201-SO	N					X											852301
09.24.10	1300	S	grab	SCss-057d-0001-SO	N					X											852302
09.24.10	1305	S	grab	SCss-057d-0001-MS	N					X											852303
09.24.10	1310	S	grab	SCss-057d-0001-MD	N					X											852304
09.23.10	1340	S	grab	SCss-058m-0001-SO	N	X	X	X													852322
09.23.10	1445	S	grab	SCss-085m-0001-SO	N	X	X	X													852334

Relinquished By: Date/Time 09.25.10/1630
Received by: Date/Time

Received By: Date/Time
Received for Laboratory by: Date/Time 9/28/10 1045

Lab Use Only
Ice Present (Yes) No
Temperature ≤5.1°
Cooler # 3662, 3645, 3772, 3744, NONE
ETK, 9-28-10, 1045

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Appendix C Analytical Results
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Shaw Environmental & Infrastructure, Inc.

Rev. 4/2010

CHAIN OF CUSTODY

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Client Special Instructions*

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Matrix:
GW - groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
09.24.10	1105	S	grab	SCss-057m-0001-SO	N	X	X	X	X		X	X	X	X							852338
09.24.10	1135	S	grab	SCss-057m-0001-MS	N	X	X	X			X	X	X	X							852338
09.24.10	1240	S	grab	SCss-057m-0001-MD	N	X	X	X			X	X	X	X							852338
09.24.10	1525	S	grab	SCss-044m-0001-SO	N	X	X	X													852362
09.24.10	1405	S	grab	DA1sb-067m-0201-SO	N	X	X														852369
09.24.10	1410	S	grab	DA1sb-067m-0202-SO	N	X	X		X												852370
09.24.10	1415	S	grab	DA1sb-067m-0203-SO	N	X	X														852371
09.24.10	1420	S	grab	DA1sb-067m-0204-SO	N	X	X														852372
09.24.10	0855	S	grab	DA1sb-068m-0201-SO	N	X	X	X			X	X	X	X							852373
09.24.10	0900	S	grab	DA1sb-068m-0202-SO	N	X	X							X							852374
09.24.10	0905	S	grab	DA1sb-068m-0203-SO	N	X	X							X							852375
09.24.10	0910	S	grab	DA1sb-068m-0204-SO	N	X	X							X							852376
09.24.10	0915	S	grab	DA1sb-069m-0201-SO	N	X	X	X			X	X	X	X							852377

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By: [signature]
Date/Time 09.25.10/1650
Received by: [signature]
Date/Time

Received By:
Date/Time
Received for Laboratory by: [signature]
Date/Time 9/28/10 1045

Lab Use Only
Ice Present (Yes) No
Temperature ≤ 5.1°
Cooler # 3062, 3645, 3772, 3794, NONE
ETK, 9-28-10, 1045

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Shaw Environmental & Infrastructure, Inc.

Rev. 4/2010

CHAIN OF CUSTODY

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Client Special Instructions*

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
09.24.10	0920	S	grab	DA1sb-069m-0202-SO	N	X	X							X							852378
09.24.10	0925	S	grab	DA1sb-069m-0203-SO	N	X	X							X							852379
09.24.10	0930	S	grab	DA1sb-070m-0201-SO	N	X	X							X							852380
09.24.10	0935	S	grab	DA1sb-070m-0202-SO	N	X	X							X							852381
09.24.10	0940	S	grab	DA1sb-070m-0203-SO	N	X	X	X			X	X	X	X							852382
09.24.10	0945	S	grab	DA1sb-070m-0204-SO	N	X	X							X	Missing						852383
09.24.10	0930	S	grab	DA1sb-070m-0201-MS	N	X	X							X							852380
09.24.10	0930	S	grab	DA1sb-070m-0201-MD	N	X	X							X							852380
09.24.10	1350	S	grab	DA1sb-071m-0201-SO	N	X	X	X		X	X	X	X	X							852384
09.24.10	1355	S	grab	DA1sb-071m-0202-SO	N	X	X														852385
09.24.10	1400	S	grab	DA1sb-071m-0203-SO	N	X	X														852386
09.24.10	1330	S	grab	DA1sb-072m-0201-SO	N	X	X	X													852387
09.24.10	1335	S	grab	DA1sb-072m-0202-SO	N	X	X														852388

Relinquished By: Date/Time 09.25.10/1630
Received by: Date/Time

Received By: Date/Time
Received for Laboratory by: Date/Time 9/28/10 1150

Lab Use Only
Ice Present (Yes) No
Temperature 5.1°
Cooler # 3662, 3645, 3772, 3744 NONE
ETK, 9-28-10, 1045

C-199

Appendix C Analytical Results Page 7299

Shaw Environmental & Infrastructure, Inc.

Rev. 4/2010

CHAIN OF CUSTODY

Company: SHAW E & I

Project Contact: David Crispo

Telephone: 617-834-5230

Project Name: RVAAP A/E

Project #: 133616

Location: RAVENNA, OH

Sampled By:

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

**Client Special Instructions*

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
09.24.10	1340	S	grab	DA1sb-072m-0203-SO	N	X	X														852389
09.24.10	1345	S	grab	DA1sb-072m-0204-SO	N	X	X														852390
09.24.10	0855	S	grab	DA1sb-084m-0201-SO	N	X	X	X			X	X	X	X							852391
09.24.10	0945	S	grab	DA1sb-085m-0204-SO	N	X	X							X							852392
09.24.10	1345	S	grab	DA1sb-086m-0204-SO	N	X	X														852393
09.25.10		S	grab	SCsb-055m-0001-SO	N	X	X	X													852394
09.25.10		S	grab	SCsb-056m-0001-SO	N	X	X	X	X												852395

Turnaround Time
Normal RUSH*
Date Needed:
_____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By: [signature] Date/Time 09.25.10/1630

Received by: Date/Time

Received By: Date/Time

Received for Laboratory by: [signature] Date/Time 9/28/10 1130

Lab Use Only
Ice Present (Yes) No
Temperature ≤ 5.1°
Cooler # 3662, 3645, 3772, 3794, NONE
ETK, 9-28-10, 1045

C-200

Appendix C Analytical Results Page 7300

Shaw Environmental & Infrastructure, Inc.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 81623
Client: SHAW E&I INC

Project Name: RVAAP A/E
Project #: 133616

Coolers: 3364,3666,XXXX,XXXX
Custody Seals Present : **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Print Date / Time: 09/28/2010 02:12
Received Date / Time / By: 09/28/2010 1045 ETK

Log-In Date / Time / By: 09/28/2010 1245 JLS
PM: ETK

Temperature: <2.4 C On Ice: **Y**
COC Present:? **Y** Complete? **N**

Numbers: SIGNED&DATED
Tracking Number:
Temp Blank Enclosed? **Y**

Notes: SAMPLES RECEIVED INTACT AND ON ICE.
COOLER #3364; UPS # J2245159742; 0.4 C XXXX; UPS #J2245159733; 1.3 C, XXXX; UPS #J2245159868; 2.4 C, #3666; UPS #J2245159840; 2.2 C.

SAMPLES DA1QC-001-0001-ER AND DA1QC-002-0001-ER HAD 16 TOTAL CONTAINERS LISTED ON THE COC FOR EACH SAMPLE BUT WE ONLY RECEIVED 14 BOTTLES FOR EACH SAMPLE. SUFFICIENT SAMPLE TO RUN ALL ANALYSES.

ALL SOILS HAD "0001" AS PART OF THE SAMPLE DESCRIPTION ON THE COC BUT THE SAMPLE LABELS ALL HAD "0201". WILL LOG THE SAMPLES FOLLOWING THE COC AND CONTACT THE CLIENT.

COC WAS DID NOT HAVE THE "RELINQUISHED" BY AND OR THE DATE AND TIME RELINQUISHED FILLED OUT ON THE COC.

Sample ID /	Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852563	DA1QC-001-0001-ER					
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		Total # of Containers of Type	**(*AMBER GL*) = 10**			
852563	DA1QC-001-0001-ER					
		NA0H PL	1		CYN	
		Total # of Containers of Type	**(*NA0H PL*) = 1**			
852563	DA1QC-001-0001-ER					
		HNO3	1		HG,ICP,K,NA	
		Total # of Containers of Type	**(*HNO3*) = 1**			
852563	DA1QC-001-0001-ER					
		HNO3	1		TAL METALS	
		Total # of Containers of Type	**(*HNO3*) = 1**			
852563	DA1QC-001-0001-ER					
		VOA HCL	1		VOC	
		VOA HCL	1		VOC	
		VOA HCL	1		VOC	
		Total # of Containers of Type	**(*VOA HCL*) = 3**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852564	DA1QC-002-0001-ER					
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		Total # of Containers of Type (*AMBER GL*) = 9				
852564	DA1QC-002-0001-ER					
		NA0H PL	1		CYN	
		Total # of Containers of Type (*NA0H PL*) = 1				
852564	DA1QC-002-0001-ER					
		HNO3	1		HG,ICP,K,NA	
		Total # of Containers of Type (*HNO3*) = 1				
852564	DA1QC-002-0001-ER					
		HNO3	1		TAL METALS	
		Total # of Containers of Type (*HNO3*) = 1				
852564	DA1QC-002-0001-ER					
		VOA HCL	1		VOC	
		VOA HCL	1		VOC	
		VOA HCL	1		VOC	
		Total # of Containers of Type (*VOA HCL*) = 3				

Sample ID /	Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852565	DA1QC-003-0001-TB					
		VOA HCL	1		VOC	
		Total # of Containers of Type (*VOA HCL*) = 1				

Sample ID /	Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852566	DA1QC-004-0001-TB					
		VOA HCL	1		VOC	
		Total # of Containers of Type (*VOA HCL*) = 1				

Sample ID /	Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852567	DA1QC-005-0001-TB					
		VOA HCL	1		VOC	
		Total # of Containers of Type (*VOA HCL*) = 1				

Sample ID /	Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852568	DA1SS-050M-0201-SO					
		SOLIDS	1		%SOL,CR6,HG,ICP,K,NA	
		Total # of Containers of Type (*SOLIDS*) = 1				
852568	DA1SS-050M-0201-SO					
		UNPRES GL	1		EXPL	
		Total # of Containers of Type (*UNPRES GL*) = 1				
852568	DA1SS-050M-0201-SO					
		FOR LABEL ONLY	1		SOIL PREP/MIX	

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FOR LABEL ONLY	1	SOIL PREP/MIX
FOR LABEL ONLY	1	SOIL PREP/MIX
FOR LABEL ONLY	1	SOIL PREP/MIX

Total # of Containers of Type (*FOR LABEL ONLY*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852569 DA1SS-051M-0201-SO					
	SOLIDS	1		%SOL,CR6,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852569 DA1SS-051M-0201-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852569 DA1SS-051M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852570 DA1SS-052M-0201-SO					
	SOLIDS	1		%SOL,CR6,CYN,HG,ICP,K	
	Total # of Containers of Type (*SOLIDS*) = 1				
852570 DA1SS-052M-0201-SO					
	UNPRES GL	1		8270,EXPL,NC,PCB,PEST	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852570 DA1SS-052M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852571 DA1SS-052D-0201-SO					
	SOLIDS	1		%SOL	
	Total # of Containers of Type (*SOLIDS*) = 1				
852571 DA1SS-052D-0201-SO					
	MEOH TARED	1		VOC	
	MEOH TARED	1		VOC	
	Total # of Containers of Type (*MEOH TARED*) = 2				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
852572 DA1SS-080M-0201-SO					
	SOLIDS	1		%SOL,CR6,HG,ICP,K,NA	
	Total # of Containers of Type (*SOLIDS*) = 1				
852572 DA1SS-080M-0201-SO					
	UNPRES GL	1		EXPL	
	Total # of Containers of Type (*UNPRES GL*) = 1				
852572 DA1SS-080M-0201-SO					
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	FOR LABEL ONLY	1		SOIL PREP/MIX	
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2				

Sample ID / Description		Container Type	Cond. Code	pH OK?	Tests	Filtered?
852573	RVAAP-001-DI					
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		AMBER GL	1		8270,EXPL,NC,PCB,PEST	
		Total # of Containers of Type (*AMBER GL*) = 9				
852573	RVAAP-001-DI					
		NA0H PL	1		CYN	
		Total # of Containers of Type (*NA0H PL*) = 1				
852573	RVAAP-001-DI					
		HNO3	1		HG,ICP,K,NA	
		Total # of Containers of Type (*HNO3*) = 1				
852573	RVAAP-001-DI					
		VOA HCL	1		VOC	
		VOA HCL	1		VOC	
		VOA HCL	1		VOC	
		Total # of Containers of Type (*VOA HCL*) = 3				

Condition Code	*Condition Description*
1	Sample Received OK

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Korthals, Eric

From: McCarthy, Brian P [brian.mccarthy@shawgrp.com]
Sent: Friday, October 01, 2010 8:48 AM
To: Korthals, Eric
Cc: Crispo, David; Berwanger, Ceress
Subject: RE: one more item

Eric
Please find the following resolutions acceptable to answer the outstanding issues with samples submitted to CT between 09.20.10 and 09.29.10. Samples from 09.30.10 will arrive today. Please let me know if there are any issues with those. Thanks.

- DA1sb-071m-0201-SO should not be run for VOCs. However, sample DA1sb-071d-0201-SO was submitted for VOCs for this location.
- The soil samples collected on 09.27.10 were mislabeled on the chain. They need to be identified as:

Old ID	Correct ID
DA1ss-050m-0001-SO	DA1ss-050m-0201-SO
DA1ss-050m-0001-MS	DA1ss-050m-0201-MS
DA1ss-050m-0001-MD	DA1ss-050m-0201-MD
DA1ss-051m-0001-SO	DA1ss-051m-0201-SO
DA1ss-052m-0001-SO	DA1ss-052m-0201-SO
DA1ss-052d-0001-SO	DA1ss-052d-0201-SO
DA1ss-080m-0001-SO	DA1ss-080m-0201-SO

- SCss-069m-0001-SO needs to be added to the COC and run for TAL Metals, Explosives, and SVOCs.
- DA1sb-070m-0204-SO should have been submitted, but if it wasn't sample volume from DA1sb-085m-0204-SO (a duplicate for DA1sb-070m-0204-SO) can be used for analysis. The sample time and date for DA1sb-070m-0204-SO are 09.24.10 / 0945; the same as on the original COC.
- DA1sb-071m-0204-SO was never collected, the bag was mislabeled and the COC was correctly labeled the sample DA1sb-071m-0203-SO. You were correct to use the COC information.
- Samples SCss-058m-0001-SO and SCss-085m-0001-SO were submitted the following day and should be removed from the COC in question.

Thank you very much for all of your effort on this. Please let me know if there are any additional questions or comments. Lastly, after you receive samples today, make corrections to the COCs, etc. would you be able to send me a PDF of the COCs from the last 2 weeks. I know they will be included with the data deliverables, but I'll need an accurate copy going forward. Thanks again.

Brian P. McCarthy
Geologist
Applied Science & Engineering
Shaw Environmental & Infrastructure Group
50 Thomas Patten Drive
Randolph, MA 02368
617.589.1026 direct
617.589.2922 fax

Rev. 4/2010

CHAIN OF CUSTODY

Page 1 of 1

Company: SHAW E & I
Project Contact: David Crispo
Telephone: 617-834-5230
Project Name: RVAAP A/E
Project #: 133616
Location: RAVENNA, OH
Sampled By:

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 81623
Company: SHAW E&I INC
Project: RAVAAP IRP
Logged By: JLS PM: ET

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 621620

Report To: David Crispo
EMAIL: david.crispo@shawgrp.com
Company: SHAW E & I
Address: Randolph, MA

Invoice To:*
EMAIL:
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

jls - no analysis per DC @ Shaw

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	TAL Metals	Explosives	SVOCs	Hex Chromium	VOCs	Pesticides	PCBs	Cyanide	Propellants					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test															
09.27.10	1400	GW	grab	DA1qc-001-0001-ER	N	X	X	X	X*	X	X	X	X	X					16		852563
09.27.10	1200	GW	grab	DA1qc-002-0001-ER	N	X	X	X	X*	X	X	X	X	X					16		852564
09.27.10	0800	GW	grab	DA1qc-003-0001-TB	N					X									1		852565
09.27.10	0800	GW	grab	DA1qc-004-0001-TB	N					X									1		852566
09.27.10	0800	GW	grab	DA1qc-005-0001-TB	N					X									1		852567
09.27.10	1020	S	grab	DA1ss-050m-0001-SO	N	X	X		X										1		852568
09.27.10	1125	S	grab	DA1ss-050m-0001-MS	N	X	X		X										1	X	852568
09.27.10	1145	S	grab	DA1ss-050m-0001-MD	N	X	X		X										1	X	852568
09.27.10	0940	S	grab	DA1ss-051m-0001-SO	N	X	X		X										1		852569
09.27.10	0840	S	grab	DA1ss-052m-0001-SO	N	X	X	X	X		X	X	X	X					1		852570
09.27.10	0915	S	grab	DA1ss-052d-0001-SO	N					X									3		852571
09.27.10	1115	S	grab	DA1ss-080m-0001-SO	N	X	X		X										1		852572
09.27.10	1500	GW	grab	RVAAP-001-DI	N	X	X	X		X	X	X	X	X					14		852573

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time
Received by:	Date/Time	Received for Laboratory by:	Date/Time 9/28/10 1345

Lab Use Only
Ice Present (Yes) No
Temperature 2.4
Cooler # 3364, xxxx, xxxx, 3660

9/28/10 1045 ETK

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Appendix C Analytical Results Page 7352

Shaw Environmental & Infrastructure, Inc.