

# **APPENDIX A**

**Table A-1:  
Testing Range (Archive Search Report, Site #4)  
Analytical Results, January 2004  
Hamilton Army Airfield**

	Sample #	HAAF-TR-747	HAAF-TR-748	HAAF-TR-749	HAAF-TR-750	HAAF-TR-751
Analyte	Method	Results are in mg/kg (dry weight)				
ANTIMONY	6010B	5.89 R	2.88 R	6.39 R	6.71 R	6.91 R
ARSENIC	6010B	5.49	5.45	2.36 J	4.39	4.78
CADMIUM	6010B	ND < 0.353	ND < 0.379	ND < 0.384	ND < 0.403	ND < 0.414
CHROMIUM	6010B	55	51.4	19.8	33.9	34
COPPER	6010B	40.5	<b>227</b>	<b>71.2</b>	<b>758</b>	<b>136</b>
LEAD	6010B	<b>318</b>	<b>2230</b>	<b>1090</b>	<b>1170</b>	<b>1390</b>
NICKEL	6010B	62.8	58.1	21.5	33.7	34.2
ZINC	6010B	50	69.5	58.9	152	77.2

ND < RL = Not detected above reporting limit

J = estimated value

R = rejected result; presence or absence of constituent not known

**Bolded** Values are detections that exceed Action Goal.

**Table A-2:  
Skeet Range (Archive Search Report, Site #18)  
Analytical Results, January 2004  
Hamilton Army Airfield**

	Sample #	HAAF-SR-738	HAAF-SR-739	HAAF-SR-740	HAAF-SR-741	HAAF-SR-742
Analyte	Method	Results are in mg/kg (dry weight)				
<b>Metals</b>						
ANTIMONY	6010B	7.66 R	6.86 R	6.84 R	7.85 R	8.61 R
ARSENIC	6010B	11.2	10.9	1.88 J	10.6	10.7
CADMIUM	6010B	0.669	0.255 J	0.176 J	0.394 J	<b>6.85</b>
CHROMIUM	6010B	97.1	76.2	15.2	89.2	78.1
COPPER	6010B	42.7	32.7	12.8	36.5	36.1
LEAD	6010B	<b>96.8</b>	35.3	28.8	<b>101</b>	<b>123</b>
NICKEL	6010B	63	50.4	16.1	56.5	55.7
ZINC	6010B	88.5	62.3	40.7	80.8	71.7
<b>Polynuclear Aromatic Hydrocarbons</b>						
2-METHYLNAPHTHALENE	8270C, SIM	ND < 0.0077	0.0044 J	ND < 0.0068	0.63	0.017
ACENAPHTHENE	8270C, SIM	0.006 J	0.021	ND < 0.0068	2.4	0.055
ACENAPHTHYLENE	8270C, SIM	ND < 0.0077	0.0064 J	ND < 0.0068	ND < 0.031	ND < 0.0086
ANTHRACENE	8270C, SIM	0.032	0.045	ND < 0.0068	4.3	0.19
BENZO(A)ANTHRACENE	8270C, SIM	0.23	1.2	0.017	100	2.3
BENZO(A)PYRENE	8270C, SIM	0.23	1.7	0.017	140	2.5
BENZO(B)FLUORANTHENE	8270C, SIM	0.31	2	0.029	230	3.7
BENZO(G,H,I)PERYLENE	8270C, SIM	0.15	1.4	0.015	88	1.8
BENZO(K)FLUORANTHENE	8270C, SIM	0.14	0.63	0.0054 J	61	1.3
CHRYSENE	8270C, SIM	0.22	1.3	0.019	150	2.4
DIBENZ(A,H)ANTHRACENE	8270C, SIM	0.047	0.33	0.0092	22	0.59
FLUORANTHENE	8270C, SIM	0.31	1.1	0.026	110	2.1
FLUORENE	8270C, SIM	0.0051 J	0.011	ND < 0.0068	1.3	0.029
INDENO(1,2,3-CD)PYRENE	8270C, SIM	0.15	1.3	0.017	91	1.7
NAPHTHALENE	8270C, SIM	0.0054 J	0.013	0.0028 J	2.6	0.045
PHENANTHRENE	8270C, SIM	0.17 J	0.29 J	0.011 J	25 J	0.95 J
PYRENE	8270C, SIM	0.27	1.1	0.023	100	1.9
Total PAHs	8270C, SIM	2.28	<b>12.45</b>	0.1914	<b>1130</b>	<b>21.6</b>

ND < RL = Not detected above reporting limit

J = estimated value SIM = Selective Ion Monitoring

R = rejected result; presence or absence not known

**Bolded** values are greater than the action goal.

**Table A-2:  
Skeet Range (Archive Search Report, Site #18)  
Analytical Results, January 2004  
Hamilton Army Airfield**

	Sample #	HAAF-SR-766	HAAF-SR-768	HAAF-SR-769	HAAF-SR-770
Analyte	Method	Results are in mg/kg (dry weight)			
<b>Metals</b>					
ANTIMONY	6010B	7.29 R	7.6 R	7.02 R	7.47 R
ARSENIC	6010B	12.7	14	2.36 J	1.45 J
CADMIUM	6010B	ND < 0.437	ND < 0.456	ND < 0.421	ND < 0.448
CHROMIUM	6010B	85.9	85.6	15.7	11.5
COPPER	6010B	43.4	44	9.17	6.78 J
LEAD	6010B	30.2	<b>154</b>	27	23.7
NICKEL	6010B	63.8	66	17	12.6
ZINC	6010B	72.9	81.6	42.3	30.9
<b>Polynuclear Aromatic Hydrocarbons</b>					
2-METHYLNAPHTHALENE	8270C, SIM	0.35	0.0083	ND < 0.007	ND < 0.0075
ACENAPHTHENE	8270C, SIM	1.3	0.018	0.0029 J	ND < 0.0075
ACENAPHTHYLENE	8270C, SIM	0.0069 J	ND < 0.0076	ND < 0.007	ND < 0.0075
ANTHRACENE	8270C, SIM	2	0.015	0.0032 J	ND < 0.0075
BENZO(A)ANTHRACENE	8270C, SIM	57	0.088	0.035	0.011
BENZO(A)PYRENE	8270C, SIM	70	0.08	0.033	0.011
BENZO(B)FLUORANTHENE	8270C, SIM	97	0.11	0.049	0.023
BENZO(G,H,I)PERYLENE	8270C, SIM	49	0.052	0.026	0.01
BENZO(K)FLUORANTHENE	8270C, SIM	43	0.046	0.024	0.0061 J
CHRYSENE	8270C, SIM	63	0.075	0.044	0.014
DIBENZ(A,H)ANTHRACENE	8270C, SIM	16	0.017	0.012	0.0073 J
FLUORANTHENE	8270C, SIM	48	0.15	0.086	0.017
FLUORENE	8270C, SIM	0.77	0.014	ND < 0.007	ND < 0.0075
INDENO(1,2,3-CD)PYRENE	8270C, SIM	51	0.056	0.028	0.012
NAPHTHALENE	8270C, SIM	1.3	0.015	0.0034 J	ND < 0.0075
PHENANTHRENE	8270C, SIM	12	0.12	0.045	ND < 0.0075
PYRENE	8270C, SIM	45	0.12	0.071	0.016
Total PAHs	8270C, SIM	<b>557</b>	0.9843	0.4625	0.1274

ND < RL = Not detected above reporting limit  
J = estimated value SIM = Selective Ion Monitoring  
R = rejected result; presence or absence not known  
**Bolded** values are greater than the action goal.

**Table A-3:  
Firing-in Target Butt (Archive Search Report, Site #19)  
Analytical Results, January 2004  
Hamilton Army Airfield**

	Sample #	HAAF-FITB-729	HAAF-FITB-730	HAAF-FITB-731	HAAF-FITB-732	HAAF-FITB-733
Analyte	Method	Results are in mg/kg (dry weight)				
ANTIMONY	6010B	7.96 R	7.05 R	6.53 R	7.7 R	6.85 R
ARSENIC	6010B	12.1	11.4	5.54	7.79	3.22 J
CADMIUM	6010B	ND < 0.478	ND < 0.423	ND < 0.392	0.527	0.167 J
CHROMIUM	6010B	74.1	77.3	53.2	57.5	24.7
COPPER	6010B	40.6	37.7	21.6	32.2	12.4
LEAD	6010B	23.3	22.4	15.9	41.7	18.1
NICKEL	6010B	61.8	64.6	37.3	73.5	19.4
ZINC	6010B	79.1	80	44.3	68.1	36.3

ND < RL= Not detected above reporting limit

J = estimated value

R = rejected result; presence or absence of constituent not known

No results are greater than the action goal.