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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-001M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 08:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-17
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	95.7			0.10	0.10	1	%	134910		11/19/04 1421	daj
	% Solids, Solid	4.3			0.10	0.10	1	%	134910		11/19/04 1421	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4	U		0.44	1.4	1	mg/Kg	135109		11/21/04 1617	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60	U		0.19	0.60	1	mg/Kg	135107		11/22/04 0209	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033			0.0020	0.017	1	mg/Kg	135872		11/30/04 1518	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.4	15	1	mg/Kg	135680		11/29/04 2132	tds
	Barium, Solid*	82			0.16	1.0	1	mg/Kg	135680		11/29/04 2132	tds
	Arsenic, Solid*	7.3			0.52	1.5	1	mg/Kg	135680		11/29/04 2132	tds
	Beryllium, Solid*	1.8			0.045	0.41	1	mg/Kg	135680		11/29/04 2132	tds
	Cadmium, Solid*	0.27			0.081	0.25	1	mg/Kg	135680		11/29/04 2132	tds
	Calcium, Solid*	35000			3.1	10	1	mg/Kg	135680		11/29/04 2132	tds
	Chromium, Solid*	14			0.22	1.0	1	mg/Kg	135680		11/29/04 2132	tds
	Cobalt, Solid*	4.4			0.14	0.51	1	mg/Kg	135680		11/29/04 2132	tds
	Copper, Solid*	16			0.91	3.0	1	mg/Kg	135680		11/29/04 2132	tds
	Iron, Solid*	14000			3.0	10	1	mg/Kg	135680		11/29/04 2132	tds
	Magnesium, Solid*	7500			1.7	10	1	mg/Kg	135680		11/29/04 2132	tds
	Manganese, Solid*	570			0.13	1.0	1	mg/Kg	135680		11/29/04 2132	tds
	Nickel, Solid*	13			0.25	1.0	1	mg/Kg	135680		11/29/04 2132	tds
	Lead, Solid*	22			0.44	1.5	1	mg/Kg	135680		11/29/04 2132	tds
	Potassium, Solid*	1000			14	51	1	mg/Kg	135680		11/29/04 2132	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-001M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 08:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-17
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.71	B		0.41	1.5	1	mg/Kg	135680		11/29/04 2132	tds
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	135680		11/29/04 2132	tds
	Sodium, Solid*	380			88	300	1	mg/Kg	135680		11/29/04 2132	tds
	Vanadium, Solid*	12			0.21	1.0	1	mg/Kg	135680		11/29/04 2132	tds
	Zinc, Solid*	53			0.41	2.0	1	mg/Kg	135680		11/29/04 2132	tds

* In Description = Dry Wgt.

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Job Number: 232093		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Elits					
Customer Sample ID: L10ss-001M-SO			Laboratory Sample ID: 232093-17									
Date Sampled: 11/16/2004			Date Received: 11/18/2004									
Time Sampled: 08:35			Time Received: 09:45									
Sample Matrix: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20		U	0.056	0.20	1.00000	mg/Kg	136175		11/22/04 0406	san
	RDX, Solid	0.20		U	0.062	0.20	1.00000	mg/Kg	136175		11/22/04 0406	san
	1,3,5-Trinitrobenzene, Solid	0.099		U	0.033	0.099	1.00000	mg/Kg	136175		11/22/04 0406	san
	1,3-Dinitrobenzene, Solid	0.099		U	0.023	0.099	1.00000	mg/Kg	136175		11/22/04 0406	san
	Nitrobenzene, Solid	0.099		U	0.021	0.099	1.00000	mg/Kg	136175		11/22/04 0406	san
	2,4,6-TNT, Solid	0.099		U	0.024	0.099	1.00000	mg/Kg	136175		11/22/04 0406	san
	Tetryl, Solid	0.40		U	0.12	0.40	1.00000	mg/Kg	136175		11/22/04 0406	san
	2,4-Dinitrotoluene, Solid	0.099		U	0.025	0.099	1.00000	mg/Kg	136175		11/22/04 0406	san
	2,6-Dinitrotoluene, Solid	0.20		U	0.048	0.20	1.00000	mg/Kg	136175		11/22/04 0406	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20		U	0.045	0.20	1.00000	mg/Kg	136175		11/22/04 0406	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30		U	0.093	0.30	1.00000	mg/Kg	136175		11/22/04 0406	san
	2-Nitrotoluene, Solid	0.20		U	0.047	0.20	1.00000	mg/Kg	136175		11/22/04 0406	san
	4-Nitrotoluene, Solid	0.20		U	0.050	0.20	1.00000	mg/Kg	136175		11/22/04 0406	san
	3-Nitrotoluene, Solid	0.20		U	0.053	0.20	1.00000	mg/Kg	136175		11/22/04 0406	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-001M-50
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 08:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-17
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	95.7			0.10	0.10	1	%	134910		11/19/04 1421	daj
	% Solids, Solid	4.3			0.10	0.10	1	%	134910		11/19/04 1421	daj
9014/9010B	Cyanide (Colorimetric)	0.48	B		0.18	0.56	F	mg/Kg	135199		11/22/04 1508	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: 110ss-002M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-4
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	90.3		0.10	0.10	1	%	134902		11/19/04 1322	daj
	% Moisture, Solid	9.7		0.10	0.10	1	%	134902		11/19/04 1322	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4	U	0.45	1.4	1	mg/Kg	135446		11/24/04 1145	daj
7841	Thallium (GFAA) Thallium, Solid*	0.62	U	0.20	0.62	1	mg/Kg	135426		11/24/04 1031	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.070		0.0048	0.018	1	mg/Kg	135610		11/24/04 1451	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	22000		2.5	16	1	mg/Kg	135366		11/23/04 1829	tds
	Barium, Solid*	190		0.17	1.0	1	mg/Kg	135366		11/23/04 1829	tds
	Arsenic, Solid*	4.9		0.54	1.6	1	mg/Kg	135366		11/23/04 1829	tds
	Beryllium, Solid*	5.3		0.046	0.42	1	mg/Kg	135366		11/23/04 1829	tds
	Cadmium, Solid*	0.62		0.084	0.26	1	mg/Kg	135366		11/23/04 1829	tds
	Calcium, Solid*	100000		3.3	10	1	mg/Kg	135366		11/23/04 1829	tds
	Chromium, Solid*	12		0.23	1.0	1	mg/Kg	135366		11/23/04 1829	tds
	Cobalt, Solid*	2.9		0.15	0.52	1	mg/Kg	135366		11/23/04 1829	tds
	Copper, Solid*	12		0.94	3.1	1	mg/Kg	135366		11/23/04 1829	tds
	Iron, Solid*	14000		3.1	10	1	mg/Kg	135366		11/23/04 1829	tds
	Magnesium, Solid*	23000		1.8	10	1	mg/Kg	135366		11/23/04 1829	tds
	Manganese, Solid*	1400		0.14	1.0	1	mg/Kg	135366		11/23/04 1829	tds
	Nickel, Solid*	10		0.26	1.0	1	mg/Kg	135366		11/23/04 1829	tds
	Lead, Solid*	120		0.45	1.6	1	mg/Kg	135366		11/23/04 1829	tds
	Potassium, Solid*	1900		14	52	1	mg/Kg	135366		11/23/04 1829	tds

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USAGE RYRAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-002M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 14:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-4 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.8			0.42	1.6	1	mg/Kg	135366		11/23/04 1829	tds
	Silver, Solid*	1.0	U		0.33	1.0	1	mg/Kg	135366		11/23/04 1829	tds
	Sodium, Solid*	960			91	310	1	mg/Kg	135366		11/23/04 1829	tds
	Vanadium, Solid*	9.0			0.22	1.0	1	mg/Kg	135366		11/23/04 1829	tds
	Zinc, Solid*	90			0.42	2.1	1	mg/Kg	135366		11/23/04 1829	tds

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MCH Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10ss-002M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 14:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-4 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (NPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136191		11/22/04 1641	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136191		11/22/04 1641	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136191		11/22/04 1641	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136191		11/22/04 1641	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136191		11/22/04 1641	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136191		11/22/04 1641	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136191		11/22/04 1641	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136191		11/22/04 1641	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136191		11/22/04 1641	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	136191		11/22/04 1641	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136191		11/22/04 1641	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136191		11/22/04 1641	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136191		11/22/04 1641	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136191		11/22/04 1641	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095 Date: 12/10/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 ACES ATTN: Eric Ellis

Customer Sample ID: L10ss-002M-S0 Laboratory Sample ID: 232095-4
 Date Sampled.....: 11/16/2004 Date Received.....: 11/18/2004
 Time Sampled.....: 14:15 Time Received.....: 09:45
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	90.3			0.10	0.10	1	%	134902		11/19/04 1322	daj
	% Solids, Solid	9.7			0.10	0.10	1	%	134902		11/19/04 1322	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	1.3		H	0.15	0.46	1	mg/Kg	135602		11/29/04 1419	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE: RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-003M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-4
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.4			0.10	0.10	1	%	135000		11/21/04 1314	clb
	% Moisture, Solid	2.6			0.10	0.10	1	%	135000		11/21/04 1314	clb
7041	Antimony (GFAA) Antimony, Solid*	2.0			0.43	1.4	1	mg/Kg	135375		11/23/04 1140	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58	U		0.18	0.58	1	mg/Kg	135426		11/23/04 2246	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.068			0.0020	0.017	1	mg/Kg	135872		11/30/04 1549	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.3	15	1	mg/Kg	135750		11/30/04 1700	tds
	Barium, Solid*	88			0.16	0.98	1	mg/Kg	135750		11/30/04 1700	tds
	Arsenic, Solid*	11			0.50	1.5	1	mg/Kg	135750		11/30/04 1700	tds
	Beryllium, Solid*	0.94			0.043	0.39	1	mg/Kg	135750		11/30/04 1700	tds
	Cadmium, Solid*	0.89			0.078	0.24	1	mg/Kg	135750		11/30/04 1700	tds
	Calcium, Solid*	8800			3.0	9.8	1	mg/Kg	135750		11/30/04 1700	tds
	Chromium, Solid*	21			0.21	0.98	1	mg/Kg	135750		11/30/04 1700	tds
	Cobalt, Solid*	8.9			0.14	0.49	1	mg/Kg	135750		11/30/04 1700	tds
	Copper, Solid*	41			0.88	2.9	1	mg/Kg	135750		11/30/04 1700	tds
	Iron, Solid*	21000			2.9	9.8	1	mg/Kg	135750		11/30/04 1700	tds
	Magnesium, Solid*	3600			1.7	9.8	1	mg/Kg	135750		11/30/04 1700	tds
	Manganese, Solid*	630			0.13	0.98	1	mg/Kg	135750		11/30/04 1700	tds
	Nickel, Solid*	21			0.24	0.98	1	mg/Kg	135750		11/30/04 1700	tds
Lead, Solid*	430			0.42	1.5	1	mg/Kg	135750		11/30/04 1700	tds	
Potassium, Solid*	1200			13	49	1	mg/Kg	135750		11/30/04 1700	tds	

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS							Date: 12/03/2004			
CUSTOMER: HKN Engineers, Inc.			PROJECT: USACE RVAAP 14 MOCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-003M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 13:25 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-4 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.59	B		0.39	1.5	1	mg/Kg	135750		11/30/04 1700	tds
	Silver, Solid*	0.98	U		0.30	0.98	1	mg/Kg	135750		11/30/04 1700	tds
	Sodium, Solid*	340			85	290	1	mg/Kg	135750		11/30/04 1700	tds
	Vanadium, Solid*	18			0.20	0.98	1	mg/Kg	135750		11/30/04 1700	tds
	Zinc, Solid*	220			0.39	2.0	1	mg/Kg	135750		11/30/04 1700	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP IA ACES

ATTN: Eric Ellis

Customer Sample ID: L10ss-003M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-4
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 1618	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135964		11/29/04 1618	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135964		11/29/04 1618	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135964		11/29/04 1618	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135964		11/29/04 1618	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135964		11/29/04 1618	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135964		11/29/04 1618	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135964		11/29/04 1618	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135964		11/29/04 1618	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 1618	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135964		11/29/04 1618	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 1618	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 1618	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 1618	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120 Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USAGE RVAAP 14 ACES ATTN: Eric Ellits

Customer Sample ID: L10ss-003M-SD Laboratory Sample ID: 232120-4
 Date Sampled.....: 11/16/2004 Date Received.....: 11/19/2004
 Time Sampled.....: 13:25 Time Received.....: 09:15
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	ML	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.4		0.10	0.10	1	%	135000		11/21/04 1314	clb
	% Solids, Solid	2.6		0.10	0.10	1	%	135000		11/21/04 1314	clb
	% Moisture, Solid										
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.24	B	0.19	0.61	1	mg/Kg	135199		11/22/04 1514	mtb

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10ss-004M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 09:29 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-2 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.4			0.10	0.10	1	%	135000		11/21/04 1308	clb
	% Moisture, Solid	5.6			0.10	0.10	1	%	135000		11/21/04 1308	clb
7041	Antimony (GFAA) Antimony, Solid*	0.67		B	0.47	1.5	1	mg/Kg	135375		11/23/04 1115	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	135426		11/23/04 2221	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.036			0.0021	0.017	1	mg/Kg	135872		11/30/04 1545	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			2.5	15	1	mg/Kg	135750		11/30/04 1648	tds
	Barium, Solid*	59			0.16	1.0	1	mg/Kg	135750		11/30/04 1648	tds
	Arsenic, Solid*	12			0.52	1.5	1	mg/Kg	135750		11/30/04 1648	tds
	Beryllium, Solid*	0.68			0.045	0.41	1	mg/Kg	135750		11/30/04 1648	tds
	Cadmium, Solid*	0.16		B	0.082	0.26	1	mg/Kg	135750		11/30/04 1648	tds
	Calcium, Solid*	1500			3.2	10	1	mg/Kg	135750		11/30/04 1648	tds
	Chromium, Solid*	18			0.22	1.0	1	mg/Kg	135750		11/30/04 1648	tds
	Cobalt, Solid*	8.1			0.14	0.51	1	mg/Kg	135750		11/30/04 1648	tds
	Copper, Solid*	17			0.92	3.1	1	mg/Kg	135750		11/30/04 1648	tds
	Iron, Solid*	22000			3.1	10	1	mg/Kg	135750		11/30/04 1648	tds
	Magnesium, Solid*	2100			1.7	10	1	mg/Kg	135750		11/30/04 1648	tds
	Manganese, Solid*	480			0.13	1.0	1	mg/Kg	135750		11/30/04 1648	tds
	Nickel, Solid*	17			0.26	1.0	1	mg/Kg	135750		11/30/04 1648	tds
Lead, Solid*	52			0.44	1.5	1	mg/Kg	135750		11/30/04 1648	tds	
Potassium, Solid*	860			14	51	1	mg/Kg	135750		11/30/04 1648	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-004M-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 09:29
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-2
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.54	B		0.41	1.5	1	mg/Kg	135750		11/30/04 1648	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	135750		11/30/04 1648	tds
	Sodium, Solid*	250	B		89	310	1	mg/Kg	135750		11/30/04 1648	tds
	Vanadium, Solid*	21			0.21	1.0	1	mg/Kg	135750		11/30/04 1648	tds
	Zinc, Solid*	69			0.41	2.0	1	mg/Kg	135750		11/30/04 1648	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 ADCS

ATTN: Eric ELLIS

Customer Sample ID: L10ss-004M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 09:29
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-2
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 1513	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135964		11/29/04 1513	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135964		11/29/04 1513	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 1513	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135964		11/29/04 1513	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 1513	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135964		11/29/04 1513	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135964		11/29/04 1513	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 1513	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 1513	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135964		11/29/04 1513	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135964		11/29/04 1513	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 1513	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 1513	san

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sa-004M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 09:29 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-2 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	% Solids Determination			0.10	0.10	1	%	135000		11/21/04 1308	clb	
	% Solids, Solid	94.4		0.10	0.10	1	%	135000		11/21/04 1308	clb	
	% Moisture, Solid	5.6										
9014/9010B	Cyanide (Colorimetric)			0.17	0.53	1	mg/Kg	135199		11/22/04 1514	mtb	
	Cyanide, Total, Solid*	0.53	U									

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKON Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-005M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 08:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-13 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.3			0.10	0.10	1	%	135002		11/21/04 1528	clb
	% Moisture, Solid	3.7			0.10	0.10	1	%	135002		11/21/04 1528	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	135791		11/30/04 1030	daj
7841	Thallium (GFAA) Thallium, Solid*	0.22		B	0.19	0.59	1	mg/Kg	135793		11/30/04 0216	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.029			0.0020	0.017	1	mg/Kg	135881		12/01/04 1448	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.4	15	1	mg/Kg	135758		11/30/04 2254	tds
	Barium, Solid*	69			0.16	0.99	1	mg/Kg	135758		11/30/04 2254	tds
	Arsenic, Solid*	12			0.51	1.5	1	mg/Kg	135758		11/30/04 2254	tds
	Beryllium, Solid*	0.66			0.044	0.40	1	mg/Kg	135758		11/30/04 2254	tds
	Cadmium, Solid*	0.25		U	0.079	0.25	1	mg/Kg	135758		11/30/04 2254	tds
	Calcium, Solid*	2000			3.1	9.9	1	mg/Kg	135758		11/30/04 2254	tds
	Chromium, Solid*	23			0.22	0.99	1	mg/Kg	135758		11/30/04 2254	tds
	Cobalt, Solid*	8.6			0.14	0.50	1	mg/Kg	135758		11/30/04 2254	tds
	Copper, Solid*	25			0.89	3.0	1	mg/Kg	135758		11/30/04 2254	tds
	Iron, Solid*	22000			3.0	9.9	1	mg/Kg	135758		11/30/04 2254	tds
	Magnesium, Solid*	2600			1.7	9.9	1	mg/Kg	135758		11/30/04 2254	tds
	Manganese, Solid*	530			0.13	0.99	1	mg/Kg	135758		11/30/04 2254	tds
	Nickel, Solid*	20			0.25	0.99	1	mg/Kg	135758		11/30/04 2254	tds
	Lead, Solid*	51			0.43	0.50	1	mg/Kg	135758		11/30/04 2254	tds
	Potassium, Solid*	1200			14	50	1	mg/Kg	135758		11/30/04 2254	tds

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKK Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-005M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 08:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-13 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.72		B	0.40	1.5	1	mg/Kg	135758		11/30/04 2254	tds
	Silver, Solid*	0.99		U	0.31	0.99	1	mg/Kg	135758		11/30/04 2254	tds
	Sodium, Solid*	320			86	300	1	mg/Kg	135758		11/30/04 2254	tds
	Vanadium, Solid*	21			0.21	0.99	1	mg/Kg	135758		11/30/04 2254	tds
	Zinc, Solid*	99			0.40	2.0	1	mg/Kg	135758		11/30/04 2254	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOGS

ATTN: Eric Ellis

Customer Sample ID: L10ss-005M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-13
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.19	U		0.054	0.19	1.00000	mg/Kg	136031		12/01/04 0456	san
	RDX, Solid	0.19	U		0.060	0.19	1.00000	mg/Kg	136031		12/01/04 0456	san
	1,3,5-Trinitrobenzene, Solid	0.096	U		0.032	0.096	1.00000	mg/Kg	136031		12/01/04 0456	san
	1,3-Dinitrobenzene, Solid	0.096	U		0.023	0.096	1.00000	mg/Kg	136031		12/01/04 0456	san
	Nitrobenzene, Solid	0.096	U		0.020	0.096	1.00000	mg/Kg	136031		12/01/04 0456	san
	2,4,6-TNT, Solid	0.096	U		0.023	0.096	1.00000	mg/Kg	136031		12/01/04 0456	san
	Tetryl, Solid	0.38	U		0.12	0.38	1.00000	mg/Kg	136031		12/01/04 0456	san
	2,4-Dinitrotoluene, Solid	0.096	U		0.025	0.096	1.00000	mg/Kg	136031		12/01/04 0456	san
	2,6-Dinitrotoluene, Solid	0.19	U		0.047	0.19	1.00000	mg/Kg	136031		12/01/04 0456	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.19	U		0.044	0.19	1.00000	mg/Kg	136031		12/01/04 0456	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.091	0.29	1.00000	mg/Kg	136031		12/01/04 0456	san
	2-Nitrotoluene, Solid	0.19	U		0.046	0.19	1.00000	mg/Kg	136031		12/01/04 0456	san
	4-Nitrotoluene, Solid	0.19	U		0.048	0.19	1.00000	mg/Kg	136031		12/01/04 0456	san
	3-Nitrotoluene, Solid	0.19	U		0.051	0.19	1.00000	mg/Kg	136031		12/01/04 0456	san

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: H2M Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-005M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 08:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-13 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.3			0.10	0.10	1	%	135002		11/21/04 1528	clb
	% Moisture, Solid	3.7			0.10	0.10	1	%	135002		11/21/04 1528	clb
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.68		U	0.21	0.68	1	mg/Kg	135325		11/23/04 1559	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-005M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-14
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.2			0.10	0.10	1	%	135002		11/21/04 1531	clb
	% Moisture, Solid	3.8			0.10	0.10	1	%	135002		11/21/04 1531	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	135791		11/30/04 1111	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	135793		11/30/04 0255	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.026			0.0020	0.017	1	mg/Kg	135881		12/01/04 1451	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.3	14	1	mg/Kg	135758		11/30/04 2325	tds
	Barium, Solid*	66			0.15	0.96	1	mg/Kg	135758		11/30/04 2325	tds
	Arsenic, Solid*	11			0.49	1.4	1	mg/Kg	135758		11/30/04 2325	tds
	Beryllium, Solid*	0.61			0.042	0.38	1	mg/Kg	135758		11/30/04 2325	tds
	Cadmium, Solid*	0.24		U	0.077	0.24	1	mg/Kg	135758		11/30/04 2325	tds
	Calcium, Solid*	1900			3.0	9.6	1	mg/Kg	135758		11/30/04 2325	tds
	Chromium, Solid*	22			0.21	0.96	1	mg/Kg	135758		11/30/04 2325	tds
	Cobalt, Solid*	8.0			0.13	0.48	1	mg/Kg	135758		11/30/04 2325	tds
	Copper, Solid*	24			0.86	2.9	1	mg/Kg	135758		11/30/04 2325	tds
	Iron, Solid*	21000			2.9	9.6	1	mg/Kg	135758		11/30/04 2325	tds
	Magnesium, Solid*	2400			1.6	9.6	1	mg/Kg	135758		11/30/04 2325	tds
	Manganese, Solid*	500			0.12	0.96	1	mg/Kg	135758		11/30/04 2325	tds
	Nickel, Solid*	20			0.24	0.96	1	mg/Kg	135758		11/30/04 2325	tds
	Lead, Solid*	50			0.41	0.48	1	mg/Kg	135758		11/30/04 2325	tds
	Potassium, Solid*	1200			13	48	1	mg/Kg	135758		11/30/04 2325	tds

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-005M-DUP Date Sampled.....: 11/17/2004 Time Sampled.....: 08:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-14 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.77	B		0.38	1.4	1	mg/Kg	135758		11/30/04 2325	tds
	Silver, Solid*	0.96	U		0.30	0.96	1	mg/Kg	135758		11/30/04 2325	tds
	Sodium, Solid*	300			83	290	1	mg/Kg	135758		11/30/04 2325	tds
	Vanadium, Solid*	20			0.20	0.96	1	mg/Kg	135758		11/30/04 2325	tds
	Zinc, Solid*	91			0.38	1.9	1	mg/Kg	135758		11/30/04 2325	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-005M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-14
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	AL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.19	U		0.055	0.19	1.00000	mg/Kg	136031		12/01/04 0528	san
	RDX, Solid	0.19	U		0.061	0.19	1.00000	mg/Kg	136031		12/01/04 0528	san
	1,3,5-Trinitrobenzene, Solid	0.097	U		0.032	0.097	1.00000	mg/Kg	136031		12/01/04 0528	san
	1,3-Dinitrobenzene, Solid	0.097	U		0.023	0.097	1.00000	mg/Kg	136031		12/01/04 0528	san
	Nitrobenzene, Solid	0.097	U		0.020	0.097	1.00000	mg/Kg	136031		12/01/04 0528	san
	2,4,6-TNT, Solid	0.097	U		0.023	0.097	1.00000	mg/Kg	136031		12/01/04 0528	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136031		12/01/04 0528	san
	2,4-Dinitrotoluene, Solid	0.097	U		0.025	0.097	1.00000	mg/Kg	136031		12/01/04 0528	san
	2,6-Dinitrotoluene, Solid	0.19	U		0.047	0.19	1.00000	mg/Kg	136031		12/01/04 0528	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.19	U		0.044	0.19	1.00000	mg/Kg	136031		12/01/04 0528	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.091	0.29	1.00000	mg/Kg	136031		12/01/04 0528	san
	2-Nitrotoluene, Solid	0.19	U		0.046	0.19	1.00000	mg/Kg	136031		12/01/04 0528	san
	4-Nitrotoluene, Solid	0.19	U		0.049	0.19	1.00000	mg/Kg	136031		12/01/04 0528	san
	3-Nitrotoluene, Solid	0.19	U		0.051	0.19	1.00000	mg/Kg	136031		12/01/04 0528	san

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS							Date: 12/14/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-005M-DUP Date Sampled.....: 11/17/2004 Time Sampled.....: 08:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-14 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	96.2			0.10	0.10	1	%	135002		11/21/04 1531	clb
	% Solids, Solid	3.8			0.10	0.10	1	%	135002		11/21/04 1531	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.62		U	0.20	0.62	1	mg/Kg	135325		11/23/04 1559	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-006M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-22
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.4			0.10	0.10	1	%	135002		11/21/04 1553	clb
	% Moisture, Solid	7.6			0.10	0.10	1	%	135002		11/21/04 1553	clb
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	135886		12/01/04 1246	daj
7841	Thallium (GFAA) Thallium, Solid*	0.64		U	0.20	0.64	1	mg/Kg	135793		11/30/04 0528	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.051			0.0021	0.018	1	mg/Kg	135881		12/01/04 1513	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.4	15	1	mg/Kg	135758		12/01/04 0039	tds
	Barium, Solid*	84			0.16	0.99	1	mg/Kg	135758		12/01/04 0039	tds
	Arsenic, Solid*	11			0.51	1.5	1	mg/Kg	135758		12/01/04 0039	tds
	Beryllium, Solid*	0.89			0.044	0.40	1	mg/Kg	135758		12/01/04 0039	tds
	Cadmium, Solid*	0.29			0.080	0.25	1	mg/Kg	135758		12/01/04 0039	tds
	Calcium, Solid*	12000			3.1	9.9	1	mg/Kg	135758		12/01/04 0039	tds
	Chromium, Solid*	22			0.22	0.99	1	mg/Kg	135758		12/01/04 0039	tds
	Cobalt, Solid*	8.3			0.14	0.50	1	mg/Kg	135758		12/01/04 0039	tds
	Copper, Solid*	16			0.89	3.0	1	mg/Kg	135758		12/01/04 0039	tds
	Iron, Solid*	21000			3.0	9.9	1	mg/Kg	135758		12/01/04 0039	tds
	Magnesium, Solid*	3500			1.7	9.9	1	mg/Kg	135758		12/01/04 0039	tds
	Manganese, Solid*	670			0.13	0.99	1	mg/Kg	135758		12/01/04 0039	tds
	Nickel, Solid*	19			0.25	0.99	1	mg/Kg	135758		12/01/04 0039	tds
	Lead, Solid*	100			0.43	0.50	1	mg/Kg	135758		12/01/04 0039	tds
	Potassium, Solid*	1400			14	50	1	mg/Kg	135758		12/01/04 0039	tds

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-006M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 11:40 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-22 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.74	B		0.40	1.5	1	mg/Kg	135758		12/01/04 0039	tds
	Silver, Solid*	0.99	U		0.31	0.99	1	mg/Kg	135758		12/01/04 0039	tds
	Sodium, Solid*	330			86	300	1	mg/Kg	135758		12/01/04 0039	tds
	Vanadium, Solid*	22			0.21	0.99	1	mg/Kg	135758		12/01/04 0039	tds
	Zinc, Solid*	140			0.40	2.0	1	mg/Kg	135758		12/01/04 0039	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/03/2004

CUSTOMER: RKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Elliotts

Customer Sample ID: L10ss-006M-SO
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-22
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136031		12/01/04 1158	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136031		12/01/04 1158	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136031		12/01/04 1158	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	136031		12/01/04 1158	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136031		12/01/04 1158	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136031		12/01/04 1158	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136031		12/01/04 1158	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136031		12/01/04 1158	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136031		12/01/04 1158	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136031		12/01/04 1158	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136031		12/01/04 1158	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136031		12/01/04 1158	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136031		12/01/04 1158	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136031		12/01/04 1158	san

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP TA ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-006M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 11:40 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-22 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	92.4			0.10	0.10	1	%	135002		11/21/04 1553	clb
	% Solids, Solid	7.6			0.10	0.10	1	%	135002		11/21/04 1553	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.26		B	0.20	0.64	1	mg/Kg	135325		11/23/04 1603	mtb

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACES				ATTN: Eric Elite					
Customer Sample ID: L10ss-007M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 10:05 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-22 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.6			0.10	0.10	1	%	134917		11/19/04 1510	daj
	% Moisture, Solid	7.4			0.10	0.10	1	%	134917		11/19/04 1510	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	135231		11/22/04 2256	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	135426		11/23/04 2017	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.062			0.0046	0.018	1	mg/Kg	135630		11/29/04 1622	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8200			1.2	16	1	mg/Kg	135885		12/01/04 1747	tds
	Barium, Solid*	53			0.13	1.1	1	mg/Kg	135885		12/01/04 1747	tds
	Arsenic, Solid*	12			0.45	1.6	1	mg/Kg	135885		12/01/04 1747	tds
	Beryllium, Solid*	0.61			0.014	0.43	1	mg/Kg	135885		12/01/04 1747	tds
	Cadmium, Solid*	0.22		B	0.027	0.27	1	mg/Kg	136017		12/02/04 1736	tds
	Calcium, Solid*	2500			0.84	11	1	mg/Kg	135885		12/01/04 1747	tds
	Chromium, Solid*	33			0.12	1.1	1	mg/Kg	135885		12/01/04 1747	tds
	Cobalt, Solid*	8.2			0.065	0.53	1	mg/Kg	135885		12/01/04 1747	tds
	Copper, Solid*	42			0.34	3.2	1	mg/Kg	135885		12/01/04 1747	tds
	Iron, Solid*	20000			3.5	11	1	mg/Kg	135885		12/01/04 1747	tds
	Magnesium, Solid*	2200			1.2	11	1	mg/Kg	135885		12/01/04 1747	tds
	Manganese, Solid*	610			0.035	1.1	1	mg/Kg	135885		12/01/04 1747	tds
	Nickel, Solid*	25			0.12	1.1	1	mg/Kg	135885		12/01/04 1747	tds
	Lead, Solid*	91			0.22	0.53	1	mg/Kg	135885		12/01/04 1747	tds
	Potassium, Solid*	890			4.8	53	1	mg/Kg	135885		12/01/04 1747	tds

* In Description = Dry Wgt.

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Job Number: 232119 LABORATORY TEST RESULTS Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 ACES ATTN: Eric Ellis

Customer Sample ID: L10ss-007M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-22
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.65	B		0.53	1.6	1	mg/Kg	135885		12/01/04 1747	tds
	Silver, Solid*	1.1	U		0.12	1.1	1	mg/Kg	135885		12/01/04 1747	tds
	Sodium, Solid*	280	B		91	320	1	mg/Kg	135885		12/01/04 1747	tds
	Vanadium, Solid*	17			0.096	1.1	1	mg/Kg	135885		12/01/04 1747	tds
	Zinc, Solid*	85			0.84	2.1	1	mg/Kg	135885		12/01/04 1747	tds

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/07/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellits					
Customer Sample ID: L10ss-007M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 10:05 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-22 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136326		11/29/04 1646	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136326		11/29/04 1646	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136326		11/29/04 1646	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	136326		11/29/04 1646	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136326		11/29/04 1646	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136326		11/29/04 1646	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136326		11/29/04 1646	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136326		11/29/04 1646	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136326		11/29/04 1646	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136326		11/29/04 1646	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136326		11/29/04 1646	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136326		11/29/04 1646	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136326		11/29/04 1646	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136326		11/29/04 1646	san

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/09/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis						
Customer Sample ID: L10ss-007M-50 Date Sampled.....: 11/17/2004 Time Sampled.....: 10:05 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-22 Date Received.....: 11/19/2004 Time Received.....: 09:15										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	% Solids Determination	92.6			0.10	0.10	1	%	134917		11/19/04 1510	daj	
	% Solids, Solid	7.4			0.10	0.10	1	%	134917		11/19/04 1510	daj	
9014/9010B	% Moisture, Solid												
	Cyanide (Colorimetric)	0.61		U	0.19	0.61	1	mg/Kg	135325		11/23/04 1558	mtb	
	Cyanide, Total, Solid*												

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/06/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-008M-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-24
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.0			0.10	0.10	1	%	134917		11/19/04 1515	daj
	% Moisture, Solid	6.0			0.10	0.10	1	%	134917		11/19/04 1515	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	135231		11/22/04 2331	daj
7841	Thallium (GFAA) Thallium, Solid*	0.62		U	0.20	0.62	1	mg/Kg	135426		11/23/04 2042	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.032			0.0046	0.018	1	mg/Kg	135630		11/29/04 1627	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			1.2	16	1	mg/Kg	135885		12/01/04 1759	tds
	Barium, Solid*	93			0.13	1.0	1	mg/Kg	135885		12/01/04 1759	tds
	Arsenic, Solid*	9.5			0.44	1.6	1	mg/Kg	135885		12/01/04 1759	tds
	Beryllium, Solid*	1.9			0.014	0.42	1	mg/Kg	135885		12/01/04 1759	tds
	Cadmium, Solid*	0.38			0.026	0.26	1	mg/Kg	136017		12/02/04 1749	tds
	Calcium, Solid*	46000			0.82	10	1	mg/Kg	135885		12/01/04 1759	tds
	Chromium, Solid*	26			0.11	1.0	1	mg/Kg	135885		12/01/04 1759	tds
	Cobalt, Solid*	5.2			0.064	0.52	1	mg/Kg	135885		12/01/04 1759	tds
	Copper, Solid*	18			0.33	3.1	1	mg/Kg	135885		12/01/04 1759	tds
	Iron, Solid*	16000			3.4	10	1	mg/Kg	135885		12/01/04 1759	tds
	Magnesium, Solid*	7900			1.2	10	1	mg/Kg	135885		12/01/04 1759	tds
	Manganese, Solid*	680			0.034	1.0	1	mg/Kg	135885		12/01/04 1759	tds
	Nickel, Solid*	18			0.11	1.0	1	mg/Kg	135885		12/01/04 1759	tds
	Lead, Solid*	70			0.22	0.52	1	mg/Kg	135885		12/01/04 1759	tds
	Potassium, Solid*	1000			4.7	52	1	mg/Kg	135885		12/01/04 1759	tds

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-008M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 11:00 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-24 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.2	B		0.52	1.6	1	mg/Kg	135885		12/01/04 1759	tds
	Silver, Solid*	1.0	U		0.11	1.0	1	mg/Kg	135885		12/01/04 1759	tds
	Sodium, Solid*	420			89	310	1	mg/Kg	135885		12/01/04 1759	tds
	Vanadium, Solid*	13			0.094	1.0	1	mg/Kg	135885		12/01/04 1759	tds
	Zinc, Solid*	97			0.82	2.1	1	mg/Kg	135885		12/01/04 1759	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-008M-SO
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-24
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136326		11/29/04 1751	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136326		11/29/04 1751	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	136326		11/29/04 1751	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136326		11/29/04 1751	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136326		11/29/04 1751	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	136326		11/29/04 1751	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136326		11/29/04 1751	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136326		11/29/04 1751	san
	2,6-Dinitrotoluene, Solid	0.14	J	a	0.048	0.20	1.00000	mg/Kg	136326		11/29/04 1751	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136326		11/29/04 1751	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136326		11/29/04 1751	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136326		11/29/04 1751	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136326		11/29/04 1751	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136326		11/29/04 1751	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232119								Date: 12/09/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: L10ss-008M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 11:00 Sample Matrix.....: Soil						Laboratory Sample ID: 232119-24 Date Received.....: 11/19/2004 Time Received.....: 09:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	94.0			0.10	0.10	1	%	134917		11/19/04 1515	daj
	% Solids, Solid	6.0			0.10	0.10	1	%	134917		11/19/04 1515	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.56		B	0.18	0.59	1	mg/Kg	135325		11/23/04 1558	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168 Date: 12/06/2004

CUSTOMER: PKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: L10ss-009M-SO
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 13:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-15
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	1	%	135002		11/21/04 1534	clb
	% Moisture, Solid	1.9			0.10	0.10	1	%	135002		11/21/04 1534	clb
7041	Antimony (GFAA)											
	Antimony, Solid*	2.5			0.44	1.4	1	mg/Kg	135791		11/30/04 1121	daj
7841	Thallium (GFAA)											
	Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	135793		11/30/04 0321	daj
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.028			0.0020	0.017	1	mg/Kg	135881		12/01/04 1453	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9500			2.2	14	1	mg/Kg	135758		11/30/04 2331	tds
	Barium, Solid*	55			0.15	0.92	1	mg/Kg	135758		11/30/04 2331	tds
	Arsenic, Solid*	13			0.47	1.4	1	mg/Kg	135758		11/30/04 2331	tds
	Beryllium, Solid*	0.60			0.041	0.37	1	mg/Kg	135758		11/30/04 2331	tds
	Cadmium, Solid*	0.14		B	0.074	0.23	1	mg/Kg	135758		11/30/04 2331	tds
	Calcium, Solid*	2000			2.9	9.2	1	mg/Kg	135758		11/30/04 2331	tds
	Chromium, Solid*	19			0.20	0.92	1	mg/Kg	135758		11/30/04 2331	tds
	Cobalt, Solid*	8.8			0.13	0.46	1	mg/Kg	135758		11/30/04 2331	tds
	Copper, Solid*	19			0.83	2.8	1	mg/Kg	135758		11/30/04 2331	tds
	Iron, Solid*	20000			2.8	9.2	1	mg/Kg	135758		11/30/04 2331	tds
	Magnesium, Solid*	2200			1.6	9.2	1	mg/Kg	135758		11/30/04 2331	tds
	Manganese, Solid*	620			0.12	0.92	1	mg/Kg	135758		11/30/04 2331	tds
	Nickel, Solid*	19			0.23	0.92	1	mg/Kg	135758		11/30/04 2331	tds
	Lead, Solid*	74			0.40	0.46	1	mg/Kg	135758		11/30/04 2331	tds
	Potassium, Solid*	1000			13	46	1	mg/Kg	135758		11/30/04 2331	tds

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS					Date: 12/06/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: L10ss-009M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 13:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-15 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.66	B		0.37	1.4	1	mg/Kg	135758		11/30/04 2331	tds
	Silver, Solid*	0.92	U		0.29	0.92	1	mg/Kg	135758		11/30/04 2331	tds
	Sodium, Solid*	280			80	280	1	mg/Kg	135758		11/30/04 2331	tds
	Vanadium, Solid*	18			0.19	0.92	1	mg/Kg	135758		11/30/04 2331	tds
	Zinc, Solid*	89			0.37	1.8	1	mg/Kg	135758		11/30/04 2331	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-009M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 13:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-15
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	136031		12/01/04 0601	san
	RDX, Solid	0.20	U		0.061	0.20	1.00000	mg/Kg	136031		12/01/04 0601	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	136031		12/01/04 0601	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136031		12/01/04 0601	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	136031		12/01/04 0601	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136031		12/01/04 0601	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136031		12/01/04 0601	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	136031		12/01/04 0601	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136031		12/01/04 0601	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136031		12/01/04 0601	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.092	0.29	1.00000	mg/Kg	136031		12/01/04 0601	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136031		12/01/04 0601	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136031		12/01/04 0601	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	136031		12/01/04 0601	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232168				Date: 12/14/2004							
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis			
Customer Sample ID: L10ss-009M-50 Date Sampled.....: 11/17/2004 Time Sampled.....: 13:50 Sample Matrix.....: Soil				Laboratory Sample ID: 232168-15 Date Received.....: 11/20/2004 Time Received.....: 09:00							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.1		0.10	0.10	1	%	135002		11/21/04 1534	clb
	% Solids, Solid	1.9		0.10	0.10	1	%	135002		11/21/04 1534	clb
	% Moisture, Solid										
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.52	U	0.16	0.52	1	mg/Kg	135325		11/23/04 1600	mtb

* In Description = Dry Wgt.

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Job Number: 232093		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: HCH Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-010M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 11:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232093-22 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.3			0.10	0.10	1	%	134902		11/19/04 1311	daj
	% Moisture, Solid	6.7			0.10	0.10	1	%	134902		11/19/04 1311	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	135231		11/22/04 1908	daj
7841	Thallium (GFAA) Thallium, Solid*	0.64		U	0.20	0.64	1	mg/Kg	135426		11/23/04 1150	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.052			0.0046	0.018	1	mg/Kg	135610		11/24/04 1429	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9600			1.2	15	1	mg/Kg	135885		12/01/04 1405	tds
	Barium, Solid*	60			0.12	1.0	1	mg/Kg	135885		12/01/04 1405	tds
	Arsenic, Solid*	14			0.43	1.5	1	mg/Kg	135885		12/01/04 1405	tds
	Beryllium, Solid*	0.65			0.013	0.41	1	mg/Kg	135885		12/01/04 1405	tds
	Cadmium, Solid*	0.15		B	0.026	0.26	1	mg/Kg	136017		12/02/04 1346	tds
	Calcium, Solid*	1900			0.81	10	1	mg/Kg	135885		12/01/04 1405	tds
	Chromium, Solid*	17			0.11	1.0	1	mg/Kg	135885		12/01/04 1405	tds
	Cobalt, Solid*	9.2			0.063	0.51	1	mg/Kg	135885		12/01/04 1405	tds
	Copper, Solid*	22			0.33	3.1	1	mg/Kg	135885		12/01/04 1405	tds
	Iron, Solid*	20000			3.3	10	1	mg/Kg	135885		12/01/04 1405	tds
	Magnesium, Solid*	2200			1.2	10	1	mg/Kg	135885		12/01/04 1405	tds
	Manganese, Solid*	700			0.034	1.0	1	mg/Kg	135885		12/01/04 1405	tds
	Nickel, Solid*	20			0.11	1.0	1	mg/Kg	135885		12/01/04 1405	tds
	Lead, Solid*	45			0.22	1.5	1	mg/Kg	135885		12/01/04 1405	tds
	Potassium, Solid*	960			4.6	51	1	mg/Kg	135885		12/01/04 1405	tds

* In Description = Dry Wgt.

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Job Number: 232093		LABORATORY TEST RESULTS					Date: 12/06/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10ss-010M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 11:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232093-22 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.76	B		0.51	1.5	1	mg/Kg	135885		12/01/04 1405	tds
	Silver, Solid*	1.0	U		0.11	1.0	1	mg/Kg	135885		12/01/04 1405	tds
	Sodium, Solid*	290	B		88	310	1	mg/Kg	135885		12/01/04 1405	tds
	Vanadium, Solid*	18			0.092	1.0	1	mg/Kg	135885		12/01/04 1405	tds
	Zinc, Solid*	88			0.81	2.1	1	mg/Kg	135885		12/01/04 1405	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232093						Date: 12/13/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: L10ss-010M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 11:15 Sample Matrix.....: Soil						Laboratory Sample ID: 232093-22 Date Received.....: 11/18/2004 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	1.8	U		0.17	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	beta-BHC, 3541 Solid*	1.8	U		0.16	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	delta-BHC, 3541 Solid*	1.8	U		0.12	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	gamma-BHC (Lindane), 3541 Solid*	1.8	U		0.24	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Heptachlor, 3541 Solid*	1.8	U	*	0.19	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Aldrin, 3541 Solid*	1.8	U		0.14	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Heptachlor epoxide, 3541 Solid*	1.8	U		0.15	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Endosulfan I, 3541 Solid*	1.8	U		0.28	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Dieldrin, 3541 Solid*	1.8	U		0.36	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	4,4'-DDE, 3541 Solid*	2.1	U		0.68	2.1	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Endrin, 3541 Solid*	1.8	U		0.45	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Endosulfan II, 3541 Solid*	1.8	U		0.29	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	4,4'-DDD, 3541 Solid*	1.8	U		0.38	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Endosulfan sulfate, 3541 Solid*	1.8	U		0.30	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	4,4'-DDT, 3541 Solid*	1.8	U		0.39	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Methoxychlor, 3541 Solid*	8.7	U		2.4	8.7	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	alpha-Chlordane, 3541 Solid*	1.8	U		0.13	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	gamma-Chlordane, 3541 Solid*	1.8	U		0.16	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Endrin aldehyde, 3541 Solid*	1.8	U		0.35	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Endrin ketone, 3541 Solid*	1.8	U		0.30	1.8	1.00000	ug/Kg	136870		11/30/04 0015	kdL
	Toxaphene, 3541 Solid*	18	U		4.8	18	1.00000	ug/Kg	136870		11/30/04 0015	kdL
Method	% Solids Determination											
	% Solids, Solid	93.3			0.10	0.10	1	%	136902		11/19/04 1311	daj
	% Moisture, Solid	6.7			0.10	0.10	1	%	136902		11/19/04 1311	daj

* In Description = Dry Wgt.

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Job Number: 232093		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-010M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 11:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232093-22 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	35	U		9.3	35	1.00000	ug/Kg	136118		11/29/04 2022	bjt
	Aroclor 1221, 3541 Solid*	35	U		4.8	35	1.00000	ug/Kg	136118		11/29/04 2022	bjt
	Aroclor 1232, 3541 Solid*	18	U		4.7	18	1.00000	ug/Kg	136118		11/29/04 2022	bjt
	Aroclor 1242, 3541 Solid*	35	U		5.1	35	1.00000	ug/Kg	136118		11/29/04 2022	bjt
	Aroclor 1248, 3541 Solid*	18	U		3.9	18	1.00000	ug/Kg	136118		11/29/04 2022	bjt
	Aroclor 1254, 3541 Solid*	35	U		4.7	35	1.00000	ug/Kg	136118		11/29/04 2022	bjt
	Aroclor 1260, 3541 Solid*	35	U		13	35	1.00000	ug/Kg	136118		11/29/04 2022	bjt
Method	% Solids Determination											
	% Solids, Solid	93.3			0.10	0.10	1	%	134902		11/19/04 1311	daj
	% Moisture, Solid	6.7			0.10	0.10	1	%	134902		11/19/04 1311	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-0100-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-12
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	84.2			0.10	0.10	1	%	134902		11/19/04 1340	daj
	% Moisture, Solid	15.8			0.10	0.10	1	%	134902		11/19/04 1340	daj
82608	Volatile Organics											
	Chloromethane, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Vinyl chloride, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Bromomethane, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Chloroethane, Solid*	5.9	U		1.2	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	1,1-Dichloroethene, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Carbon disulfide, Solid*	5.9	U		1.4	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Acetone, Solid*	18	U		5.5	18	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Methylene chloride, Solid*	12	U		3.4	12	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	trans-1,2-Dichloroethene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	1,1-Dichloroethane, Solid*	5.9	U		1.2	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	cis-1,2-Dichloroethene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	2-Butanone (MEK), Solid*	18	U		4.6	18	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Bromochloromethane, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Chloroform, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	1,1,1-Trichloroethane, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Carbon tetrachloride, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Benzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	1,2-Dichloroethane, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Trichloroethene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
1,2-Dichloropropane, Solid*	5.9	U		1.2	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj	
Bromodichloromethane, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj	
cis-1,3-Dichloropropene, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj	
4-Methyl-2-pentanone (MIBK), Solid*	12	U		1.2	12	1.00000	ug/Kg	135678		11/29/04 2015	jdj	
Toluene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj	

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date: 11/30/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: ERIC ELLIS						
Customer Sample ID: L10ss-010D-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 11:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-12 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	5.9	U		0.94	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	1,1,2-Trichloroethane, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Tetrachloroethene, Solid*	5.9	U		1.4	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	2-Hexanone, Solid*	12	U		1.3	12	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Dibromochloromethane, Solid*	5.9	U		0.94	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	1,2-Dibromoethane (EDB), Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Chlorobenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Ethylbenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	m&p-Xylenes, Solid*	12	U		2.7	12	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	o-Xylene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Styrene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Bromoform, Solid*	5.9	U		0.89	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	1,1,2,2-Tetrachloroethane, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	1,2-Dichloroethene (total), Solid*	12	U		2.5	12	1.00000	ug/Kg	135678		11/29/04 2015	jdj
	Xylenes (total), Solid*	12	U		4.0	12	1.00000	ug/Kg	135678		11/29/04 2015	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-010M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-22
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	180	U		7.5	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	71	U		9.5	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	180	U		14	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	180	U		16	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	180	U		15	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Benzyl alcohol, 3541 Low Solid*	710	U		78	710	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	71	U		11	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	180	U		17	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	71	U		14	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Hexachloroethane, 3541 Low Solid*	180	U		9.1	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	71	U		13	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2-Chlorophenol, 3541 Low Solid*	180	U		14	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Nitrobenzene, 3541 Low Solid*	35	U		9.1	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	71	U		9.4	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	180	U		14	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Benzoic acid, 3541 Low Solid*	710	U	*	210	710	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Isophorone, 3541 Low Solid*	180	U		21	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	350	U		17	350	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Hexachlorobutadiene, 3541 Low Solid*	180	U		9.6	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Naphthalene, 3541 Low Solid*	35	U		8.9	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	350	U		16	350	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	4-Chloroaniline, 3541 Low Solid*	710	U		57	710	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	180	U		40	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	350	U		48	350	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1100	U		320	1100	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2-Methylnaphthalene, 3541 Low Solid*	35	U		11	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2-Nitroaniline, 3541 Low Solid*	180	U		11	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2-Chloronaphthalene, 3541 Low Solid*	180	U		17	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE BVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-010M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-22
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	350	U		37	350	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	35	U		9.8	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2-Nitrophenol, 3541 Low Solid*	350	U		16	350	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	3-Nitroaniline, 3541 Low Solid*	710	U		150	710	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Dimethyl phthalate, 3541 Low Solid*	71	U		9.5	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	710	U		110	710	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Acenaphthylene, 3541 Low Solid*	35	U		8.8	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	35	U		11	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Acenaphthene, 3541 Low Solid*	35	U		8.8	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Dibenzofuran, 3541 Low Solid*	71	U		9.4	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	4-Nitrophenol, 3541 Low Solid*	710	U		230	710	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Fluorene, 3541 Low Solid*	35	U		9.6	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	4-Nitroaniline, 3541 Low Solid*	710	U		48	710	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	180	U		11	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Hexachlorobenzene, 3541 Low Solid*	35	U		10	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Diethyl phthalate, 3541 Low Solid*	71	U		10	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	180	U		11	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Pentachlorophenol, 3541 Low Solid*	350	U		120	350	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	35	U		11	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	710	U		180	710	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Phenanthrene, 3541 Low Solid*	54		H	16	53	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Anthracene, 3541 Low Solid*	12	J		12	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Carbazole, 3541 Low Solid*	180	U		13	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	180	U		12	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Fluoranthene, 3541 Low Solid*	110			11	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Pyrene, 3541 Low Solid*	74			13	53	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	71	U		11	71	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Benzo(a)anthracene, 3541 Low Solid*	40		H	11	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Chrysene, 3541 Low Solid*	54			11	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/08/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Elliott

Customer Sample ID: L10as-010M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-22
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	180	U		16	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	180	U		34	180	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	350	U		11	350	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	63		H	9.5	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	35	J		10	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Benzo(a)pyrene, 3541 Low Solid*	47			10	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	22	J		11	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	35	U		10	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	20	J		12	35	1.00000	ug/Kg	136309		11/29/04 1224	dpk
Method	% Solids Determination											
	% Solids, Solid	93.3			0.10	0.10	1	%	134902		11/19/04 1311	daj
	% Moisture, Solid	6.7			0.10	0.10	1	%	134902		11/19/04 1311	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-010M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-22
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BY	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136175		11/22/04 0931	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136175		11/22/04 0931	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136175		11/22/04 0931	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	136175		11/22/04 0931	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136175		11/22/04 0931	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136175		11/22/04 0931	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136175		11/22/04 0931	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136175		11/22/04 0931	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136175		11/22/04 0931	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136175		11/22/04 0931	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136175		11/22/04 0931	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136175		11/22/04 0931	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136175		11/22/04 0931	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136175		11/22/04 0931	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	136177		11/20/04 0203	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: I10ss-010M-SO

Trace Level Organic Compounds

Lot-Sample #...: G4K180473-002 Work Order #...: GXG9X1A Matrix.....: SOLID
Date Sampled...: 11/16/04 11:15 Date Received...: 11/18/04
Prep Date.....: 11/29/04 Analysis Date...: 12/01/04
Prep Batch #...: 4334581
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	0.25	mg/kg	NONNE UV/HPLC per

STL CHICAGO

Client Sample ID: I10ss-010M-SO

General Chemistry

Lot-Sample #...: G4K180473-002 Work Order #...: GXG9X
Date Sampled...: 11/16/04 11:15 Date Received...: 11/18/04

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrocellulose	1.3 B,J	2.0	mg/kg	MCAWV 353.2	11/20-11/24/04	4325110
				Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 40 mL
				MDL.....: 0.57		

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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LABORATORY TEST RESULTS												
Job Number: 232093				Date: 12/08/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10ss-010M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 11:15 Sample Matrix.....: Soil						Laboratory Sample ID: 232093-22 Date Received.....: 11/18/2004 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	D	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method 9014/9010B	% Solids Determination	93.3			0.10	0.10	1	%	134902		11/19/04 1311	daj
	% Solids, Solid	6.7			0.10	0.10	1	%	134902		11/19/04 1311	daj
	% Moisture, Solid											
	Cyanide (Colorimetric)	0.59		U	0.18	0.59	1	mg/Kg	135325		11/23/04 1555	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/03/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-011M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-6
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.5			0.10	0.10	1	%	134902		11/19/04 1327	daj
	% Moisture, Solid	2.5			0.10	0.10	1	%	134902		11/19/04 1327	daj
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.42	1.3	1	mg/Kg	135446		11/24/04 1222	daj
7841	Thallium (GFAA) Thallium, Solid*	0.57		U	0.18	0.57	1	mg/Kg	135426		11/24/04 1108	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.059			0.0044	0.017	1	mg/Kg	135610		11/24/04 1455	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8000			2.3	14	1	mg/Kg	135366		11/23/04 1842	tds
	Barium, Solid*	46			0.15	0.94	1	mg/Kg	135366		11/23/04 1842	tds
	Arsenic, Solid*	18			0.48	1.4	1	mg/Kg	135366		11/23/04 1842	tds
	Beryllium, Solid*	0.58			0.042	0.38	1	mg/Kg	135366		11/23/04 1842	tds
	Cadmium, Solid*	0.19		B	0.076	0.24	1	mg/Kg	135366		11/23/04 1842	tds
	Calcium, Solid*	2200			2.9	9.4	1	mg/Kg	135366		11/23/04 1842	tds
	Chromium, Solid*	19			0.21	0.94	1	mg/Kg	135366		11/23/04 1842	tds
	Cobalt, Solid*	7.6			0.13	0.47	1	mg/Kg	135366		11/23/04 1842	tds
	Copper, Solid*	17			0.85	2.8	1	mg/Kg	135366		11/23/04 1842	tds
	Iron, Solid*	20000			2.8	9.4	1	mg/Kg	135366		11/23/04 1842	tds
	Magnesium, Solid*	1900			1.6	9.4	1	mg/Kg	135366		11/23/04 1842	tds
	Manganese, Solid*	580			0.12	0.94	1	mg/Kg	135366		11/23/04 1842	tds
	Nickel, Solid*	19			0.24	0.94	1	mg/Kg	135366		11/23/04 1842	tds
	Lead, Solid*	60			0.41	1.4	1	mg/Kg	135366		11/23/04 1842	tds
	Potassium, Solid*	1000			13	47	1	mg/Kg	135366		11/23/04 1842	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RNAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-011N-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-6
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	REL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.68	B		0.38	1.4	1	mg/Kg	135366		11/23/04 1842	tds
	Silver, Solid*	0.94	U		0.29	0.94	1	mg/Kg	135366		11/23/04 1842	tds
	Sodium, Solid*	310			82	280	1	mg/Kg	135366		11/23/04 1842	tds
	Vanadium, Solid*	16			0.20	0.94	1	mg/Kg	135366		11/23/04 1842	tds
	Zinc, Solid*	93			0.38	1.9	1	mg/Kg	135366		11/23/04 1842	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/06/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-011M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-6
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136191		11/22/04 1746	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136191		11/22/04 1746	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136191		11/22/04 1746	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	136191		11/22/04 1746	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136191		11/22/04 1746	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136191		11/22/04 1746	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136191		11/22/04 1746	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136191		11/22/04 1746	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136191		11/22/04 1746	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136191		11/22/04 1746	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136191		11/22/04 1746	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136191		11/22/04 1746	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136191		11/22/04 1746	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136191		11/22/04 1746	san

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/10/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADPS

ATTN: Eric Ellis

Customer Sample ID: L10ss-011M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-6
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method 9014/9010B	% Solids Determination	97.5		0.10	0.10	1	%	134902		11/19/04 1327	daj
	% Solids, Solid	2.5		0.10	0.10	1	%	134902		11/19/04 1327	daj
	% Moisture, Solid										
	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.43	U	0.14	0.43	1	mg/Kg	135199		11/22/04 1512	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE: RVAAP 14 ACDS

ATTN: Eric Ellis

Customer Sample ID: L10ss-012M-SO
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 09:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-6
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	ML	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.5			0.10	0.10	1	%	135000		11/21/04 1320	clb
	% Moisture, Solid	3.5			0.10	0.10	1	%	135000		11/21/04 1320	clb
7041	Antimony (GFAA) Antimony, Solid*	0.47		B	0.44	1.4	1	mg/Kg	135375		11/23/04 1217	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	135426		11/23/04 2323	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.032			0.0020	0.017	1	mg/Kg	135872		11/30/04 1558	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8100			2.3	15	1	mg/Kg	135750		11/30/04 1737	tds
	Barium, Solid*	51			0.16	0.97	1	mg/Kg	135750		11/30/04 1737	tds
	Arsenic, Solid*	14			0.50	1.5	1	mg/Kg	135750		11/30/04 1737	tds
	Beryllium, Solid*	0.58			0.043	0.39	1	mg/Kg	135750		11/30/04 1737	tds
	Cadmium, Solid*	0.17		B	0.078	0.24	1	mg/Kg	135750		11/30/04 1737	tds
	Calcium, Solid*	1600			3.0	9.7	1	mg/Kg	135750		11/30/04 1737	tds
	Chromium, Solid*	19			0.21	0.97	1	mg/Kg	135750		11/30/04 1737	tds
	Cobalt, Solid*	8.0			0.14	0.49	1	mg/Kg	135750		11/30/04 1737	tds
	Copper, Solid*	19			0.88	2.9	1	mg/Kg	135750		11/30/04 1737	tds
	Iron, Solid*	20000			2.9	9.7	1	mg/Kg	135750		11/30/04 1737	tds
	Magnesium, Solid*	2000			1.7	9.7	1	mg/Kg	135750		11/30/04 1737	tds
	Manganese, Solid*	580			0.13	0.97	1	mg/Kg	135750		11/30/04 1737	tds
	Nickel, Solid*	20			0.24	0.97	1	mg/Kg	135750		11/30/04 1737	tds
Lead, Solid*	41			0.42	1.5	1	mg/Kg	135750		11/30/04 1737	tds	
Potassium, Solid*	950			13	49	1	mg/Kg	135750		11/30/04 1737	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-012M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 09:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-6
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.51	B		0.39	1.5	1	mg/Kg	135750		11/30/04 1737	tds
	Silver, Solid*	0.97	U		0.30	0.97	1	mg/Kg	135750		11/30/04 1737	tds
	Sodium, Solid*	250	B		84	290	1	mg/Kg	135750		11/30/04 1737	tds
	Vanadium, Solid*	16			0.20	0.97	1	mg/Kg	135750		11/30/04 1737	tds
	Zinc, Solid*	82			0.39	1.9	1	mg/Kg	135750		11/30/04 1737	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-012M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 09:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-6
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 1828	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135964		11/29/04 1828	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135964		11/29/04 1828	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 1828	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135964		11/29/04 1828	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 1828	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135964		11/29/04 1828	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135964		11/29/04 1828	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 1828	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 1828	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135964		11/29/04 1828	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135964		11/29/04 1828	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 1828	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 1828	san

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-012M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 09:00 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-6 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	96.5			0.10	0.10	1	%	135000		11/21/04 1320	clb
	% Solids, Solid	3.5			0.10	0.10	1	%	135000		11/21/04 1320	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric)	0.41		U	0.13	0.41	1	mg/Kg	135199		11/22/04 1516	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVPAP 14 ACCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-D13M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 15:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-1 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	% Solids Determination											
	% Solids, Solid	96.5		0.10	0.10	1	%	134902		11/19/04 1316	daj	
	% Moisture, Solid	3.5		0.10	0.10	1	%	134902		11/19/04 1316	daj	
7041	Antimony (GFAA) Antimony, Solid*	1.3	U	0.42	1.3	1	mg/Kg	135446		11/24/04 1032	daj	
7841	Thallium (GFAA) Thallium, Solid*	0.57	U	0.18	0.57	1	mg/Kg	135426		11/24/04 0527	daj	
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.066		0.0045	0.017	1	mg/Kg	135610		11/24/04 1439	gok	
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	7700		2.4	15	1	mg/Kg	135366		11/23/04 1810	tds	
	Barium, Solid*	48		0.16	0.98	1	mg/Kg	135366		11/23/04 1810	tds	
	Arsenic, Solid*	11		0.50	1.5	1	mg/Kg	135366		11/23/04 1810	tds	
	Beryllium, Solid*	0.56		0.043	0.39	1	mg/Kg	135366		11/23/04 1810	tds	
	Cadmium, Solid*	0.37		0.079	0.25	1	mg/Kg	135366		11/23/04 1810	tds	
	Calcium, Solid*	3700		3.1	9.8	1	mg/Kg	135366		11/23/04 1810	tds	
	Chromium, Solid*	18		0.22	0.98	1	mg/Kg	135366		11/23/04 1810	tds	
	Cobalt, Solid*	6.1		0.14	0.49	1	mg/Kg	135366		11/23/04 1810	tds	
	Copper, Solid*	17		0.89	3.0	1	mg/Kg	135366		11/23/04 1810	tds	
	Iron, Solid*	17000		3.0	9.8	1	mg/Kg	135366		11/23/04 1810	tds	
	Magnesium, Solid*	1700		1.7	9.8	1	mg/Kg	135366		11/23/04 1810	tds	
	Manganese, Solid*	470		0.13	0.98	1	mg/Kg	135366		11/23/04 1810	tds	
	Nickel, Solid*	15		0.25	0.98	1	mg/Kg	135366		11/23/04 1810	tds	
	Lead, Solid*	53		0.42	1.5	1	mg/Kg	135366		11/23/04 1810	tds	
	Potassium, Solid*	880		14	49	1	mg/Kg	135366		11/23/04 1810	tds	

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS					Date: 12/03/2004					
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10ss-013M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 15:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-1 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	ML	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.74	B		0.39	1.5	1	mg/Kg	135366		11/23/04 1810	tds
	Silver, Solid*	0.98	U		0.31	0.98	1	mg/Kg	135366		11/23/04 1810	tds
	Sodium, Solid*	270	B		85	300	1	mg/Kg	135366		11/23/04 1810	tds
	Vanadium, Solid*	16			0.21	0.98	1	mg/Kg	135366		11/23/04 1810	tds
	Zinc, Solid*	90			0.39	2.0	1	mg/Kg	135366		11/23/04 1810	tds

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Elts					
Customer Sample ID: L10ss-013M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 15:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-1 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136191		11/22/04 1503	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136191		11/22/04 1503	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136191		11/22/04 1503	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136191		11/22/04 1503	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136191		11/22/04 1503	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136191		11/22/04 1503	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136191		11/22/04 1503	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136191		11/22/04 1503	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136191		11/22/04 1503	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	136191		11/22/04 1503	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136191		11/22/04 1503	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136191		11/22/04 1503	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136191		11/22/04 1503	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136191		11/22/04 1503	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/10/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-013M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-1
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method 9014/9010B	% Solids Determination	96.5			0.10	0.10	1	%	134902		11/19/04 1316	daj
	% Solids, Solid	3.5			0.10	0.10	1	%	134902		11/19/04 1316	daj
	% Moisture, Solid											
	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.65	U		0.21	0.65	1	mg/Kg	135199		11/22/04 1509	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-013M-QA
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-10
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	94.9		0.10	0.10	1	%	134902		11/19/04 1336	daj
	% Moisture, Solid	5.1		0.10	0.10	1	%	134902		11/19/04 1336	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4	U	0.43	1.4	1	mg/Kg	135446		11/24/04 1323	daj
7841	Thallium (GFAA) Thallium, Solid*	0.19	B	0.19	0.59	1	mg/Kg	135426		11/24/04 1211	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.061		0.0045	0.017	1	mg/Kg	135610		11/24/04 1506	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	7900		2.4	15	1	mg/Kg	135366		11/23/04 1930	tds
	Barium, Solid*	53		0.16	1.0	1	mg/Kg	135366		11/23/04 1930	tds
	Arsenic, Solid*	11		0.51	1.5	1	mg/Kg	135366		11/23/04 1930	tds
	Beryllium, Solid*	0.56		0.044	0.40	1	mg/Kg	135366		11/23/04 1930	tds
	Cadmium, Solid*	0.37		0.080	0.25	1	mg/Kg	135366		11/23/04 1930	tds
	Calcium, Solid*	2200		3.1	10	1	mg/Kg	135366		11/23/04 1930	tds
	Chromium, Solid*	23		0.22	1.0	1	mg/Kg	135366		11/23/04 1930	tds
	Cobalt, Solid*	6.7		0.14	0.50	1	mg/Kg	135366		11/23/04 1930	tds
	Copper, Solid*	25		0.90	3.0	1	mg/Kg	135366		11/23/04 1930	tds
	Iron, Solid*	18000		3.0	10	1	mg/Kg	135366		11/23/04 1930	tds
	Magnesium, Solid*	1700		1.7	10	1	mg/Kg	135366		11/23/04 1930	tds
	Manganese, Solid*	490		0.13	1.0	1	mg/Kg	135366		11/23/04 1930	tds
	Nickel, Solid*	21		0.25	1.0	1	mg/Kg	135366		11/23/04 1930	tds
	Lead, Solid*	62		0.43	1.5	1	mg/Kg	135366		11/23/04 1930	tds
	Potassium, Solid*	790		14	50	1	mg/Kg	135366		11/23/04 1930	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/03/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-013N-QA
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-10
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.72	B	0.40	1.5	1	mg/Kg	135366		11/23/04 1930	tds
	Silver, Solid*	1.0	U	0.31	1.0	1	mg/Kg	135366		11/23/04 1930	tds
	Sodium, Solid*	270	B	86	300	1	mg/Kg	135366		11/23/04 1930	tds
	Vanadium, Solid*	16		0.21	1.0	1	mg/Kg	135366		11/23/04 1930	tds
	Zinc, Solid*	120		0.40	2.0	1	mg/Kg	135366		11/23/04 1930	tds

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-013M-QA Date Sampled.....: 11/16/2004 Time Sampled.....: 15:25 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-10 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136191		11/22/04 2133	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136191		11/22/04 2133	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	136191		11/22/04 2133	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136191		11/22/04 2133	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136191		11/22/04 2133	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	136191		11/22/04 2133	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136191		11/22/04 2133	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136191		11/22/04 2133	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136191		11/22/04 2133	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136191		11/22/04 2133	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136191		11/22/04 2133	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136191		11/22/04 2133	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136191		11/22/04 2133	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136191		11/22/04 2133	san

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/10/2004

CUSTOMER: NICH Engineers, Inc.

PROJECT: USACE RMAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-013M-QA
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-10
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	94.9			0.10	0.10	1	%	134902		11/19/04 1336	daj
	% Solids, Solid	5.1			0.10	0.10	1	%	134902		11/19/04 1336	daj
9014/9010B	% Moisture, Solid											
	Cyanide (Colorimetric)	0.66		U	0.21	0.66	1	mg/Kg	135199		11/22/04 1513	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date:12/03/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-014M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 15:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-5 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	% Solids Determination											
	% Solids, Solid	89.7		0.10	0.10	1	%	134902		11/19/04 1325	daj	
	% Moisture, Solid	10.3		0.10	0.10	1	%	134902		11/19/04 1325	daj	
7041	Antimony (GFAA) Antimony, Solid*	1.4	U	0.45	1.4	1	mg/Kg	135446		11/24/04 1209	daj	
7841	Thallium (GFAA) Thallium, Solid*	0.62	U	0.20	0.62	1	mg/Kg	135426		11/24/04 1043	daj	
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.082		0.0048	0.018	1	mg/Kg	135610		11/24/04 1453	gok	
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9000		2.6	16	1	mg/Kg	135366		11/23/04 1835	tds	
	Barium, Solid*	49		0.17	1.1	1	mg/Kg	135366		11/23/04 1835	tds	
	Arsenic, Solid*	13		0.55	1.6	1	mg/Kg	135366		11/23/04 1835	tds	
	Beryllium, Solid*	0.64		0.047	0.43	1	mg/Kg	135366		11/23/04 1835	tds	
	Cadmium, Solid*	0.82		0.086	0.27	1	mg/Kg	135366		11/23/04 1835	tds	
	Calcium, Solid*	2600		3.3	11	1	mg/Kg	135366		11/23/04 1835	tds	
	Chromium, Solid*	17		0.24	1.1	1	mg/Kg	135366		11/23/04 1835	tds	
	Cobalt, Solid*	8.8		0.15	0.54	1	mg/Kg	135366		11/23/04 1835	tds	
	Copper, Solid*	20		0.97	3.2	1	mg/Kg	135366		11/23/04 1835	tds	
	Iron, Solid*	23000		3.2	11	1	mg/Kg	135366		11/23/04 1835	tds	
	Magnesium, Solid*	2400		1.8	11	1	mg/Kg	135366		11/23/04 1835	tds	
	Manganese, Solid*	520		0.14	1.1	1	mg/Kg	135366		11/23/04 1835	tds	
	Nickel, Solid*	18		0.27	1.1	1	mg/Kg	135366		11/23/04 1835	tds	
	Lead, Solid*	47		0.46	1.6	1	mg/Kg	135366		11/23/04 1835	tds	
	Potassium, Solid*	1100		15	54	1	mg/Kg	135366		11/23/04 1835	tds	

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-014N-S0			Laboratory Sample ID: 232095-5									
Date Sampled.....: 11/16/2004			Date Received.....: 11/18/2004									
Time Sampled.....: 15:50			Time Received.....: 09:45									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.66		B	0.43	1.6	1	mg/Kg	135366		11/23/04 1835	tds
	Silver, Solid*	1.1		U	0.33	1.1	1	mg/Kg	135366		11/23/04 1835	tds
	Sodium, Solid*	320			93	320	1	mg/Kg	135366		11/23/04 1835	tds
	Vanadium, Solid*	18			0.23	1.1	1	mg/Kg	135366		11/23/04 1835	tds
	Zinc, Solid*	95			0.43	2.2	1	mg/Kg	135366		11/23/04 1835	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-014M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-5
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (NPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136191		11/22/04 1713	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136191		11/22/04 1713	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136191		11/22/04 1713	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	136191		11/22/04 1713	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136191		11/22/04 1713	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136191		11/22/04 1713	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136191		11/22/04 1713	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136191		11/22/04 1713	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136191		11/22/04 1713	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136191		11/22/04 1713	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136191		11/22/04 1713	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136191		11/22/04 1713	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136191		11/22/04 1713	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136191		11/22/04 1713	san

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232095 Date: 12/10/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: L10ss-014M-S0 Laboratory Sample ID: 232095-5
 Date Sampled.....: 11/16/2004 Date Received.....: 11/18/2004
 Time Sampled.....: 15:50 Time Received.....: 09:45
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method 9014/9010B	% Solids Determination											
	% Solids, Solid	89.7			0.10	0.10	1	%	134902		11/19/04 1325	daj
	% Moisture, Solid	10.3			0.10	0.10	1	%	134902		11/19/04 1325	daj
	Cyanide (Colorimetric)											
	Cyanide, Total, Solid*	0.66		U	0.21	0.66	1	mg/Kg	135199		11/22/04 1512	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADS

ATTN: Eric Ellis

Customer Sample ID: L10ss-015M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 09:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-3
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.3			0.10	0.10	1	%	135000		11/21/04 1311	clb
	% Moisture, Solid	2.7			0.10	0.10	1	%	135000		11/21/04 1311	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	135375		11/23/04 1127	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	135426		11/23/04 2233	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.035			0.0020	0.017	1	mg/Kg	135872		11/30/04 1547	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	7000			2.3	15	1	mg/Kg	135750		11/30/04 1654	tds
	Barium, Solid*	47			0.16	0.97	1	mg/Kg	135750		11/30/04 1654	tds
	Arsenic, Solid*	10			0.50	1.5	1	mg/Kg	135750		11/30/04 1654	tds
	Beryllium, Solid*	0.54			0.043	0.39	1	mg/Kg	135750		11/30/04 1654	tds
	Cadmium, Solid*	0.46			0.078	0.24	1	mg/Kg	135750		11/30/04 1654	tds
	Calcium, Solid*	2500			3.0	9.7	1	mg/Kg	135750		11/30/04 1654	tds
	Chromium, Solid*	29			0.21	0.97	1	mg/Kg	135750		11/30/04 1654	tds
	Cobalt, Solid*	6.6			0.14	0.49	1	mg/Kg	135750		11/30/04 1654	tds
	Copper, Solid*	34			0.87	2.9	1	mg/Kg	135750		11/30/04 1654	tds
	Iron, Solid*	19000			2.9	9.7	1	mg/Kg	135750		11/30/04 1654	tds
	Magnesium, Solid*	1900			1.7	9.7	1	mg/Kg	135750		11/30/04 1654	tds
	Manganese, Solid*	550			0.13	0.97	1	mg/Kg	135750		11/30/04 1654	tds
	Nickel, Solid*	23			0.24	0.97	1	mg/Kg	135750		11/30/04 1654	tds
	Lead, Solid*	72			0.42	1.5	1	mg/Kg	135750		11/30/04 1654	tds
Potassium, Solid*	900			13	49	1	mg/Kg	135750		11/30/04 1654	tds	

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 1A AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-015M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 09:35 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-3 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.45	B		0.39	1.5	1	mg/Kg	135750		11/30/04 1654	tds
	Silver, Solid*	0.97	U		0.30	0.97	1	mg/Kg	135750		11/30/04 1654	tds
	Sodium, Solid*	230	B		84	290	1	mg/Kg	135750		11/30/04 1654	tds
	Vanadium, Solid*	14			0.20	0.97	1	mg/Kg	135750		11/30/04 1654	tds
	Zinc, Solid*	110			0.39	1.9	1	mg/Kg	135750		11/30/04 1654	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-015M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 09:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-3
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	D	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (NPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 1545	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135964		11/29/04 1545	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135964		11/29/04 1545	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135964		11/29/04 1545	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135964		11/29/04 1545	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135964		11/29/04 1545	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135964		11/29/04 1545	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135964		11/29/04 1545	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135964		11/29/04 1545	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 1545	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135964		11/29/04 1545	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 1545	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 1545	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 1545	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-015M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 09:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-3
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.3			0.10	0.10	1	%	135000		11/21/04 1311	clb
	% Solids, Solid	2.7			0.10	0.10	1	%	135000		11/21/04 1311	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric)	0.57	U		0.18	0.57	1	mg/Kg	135199		11/22/04 1514	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-016M-SQ Date Sampled.....: 11/17/2004 Time Sampled.....: 14:40 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-16 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.5			0.10	0.10	1	%	135002		11/21/04 1537	clb
	% Moisture, Solid	9.5			0.10	0.10	1	%	135002		11/21/04 1537	clb
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	135791		11/30/04 1131	daj
7841	Thallium (GFAA) Thallium, Solid*	0.65		U	0.20	0.65	1	mg/Kg	135793		11/30/04 0333	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033			0.0022	0.018	1	mg/Kg	135881		12/01/04 1455	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9100			2.5	16	1	mg/Kg	135758		12/01/04 0001	tds
	Barium, Solid*	69			0.17	1.1	1	mg/Kg	135758		12/01/04 0001	tds
	Arsenic, Solid*	11			0.54	1.6	1	mg/Kg	135758		12/01/04 0001	tds
	Beryllium, Solid*	0.99			0.046	0.42	1	mg/Kg	135758		12/01/04 0001	tds
	Cadmium, Solid*	0.29			0.084	0.26	1	mg/Kg	135758		12/01/04 0001	tds
	Calcium, Solid*	28000			3.3	11	1	mg/Kg	135758		12/01/04 0001	tds
	Chromium, Solid*	22			0.23	1.1	1	mg/Kg	135758		12/01/04 0001	tds
	Cobalt, Solid*	6.8			0.15	0.53	1	mg/Kg	135758		12/01/04 0001	tds
	Copper, Solid*	22			0.95	3.2	1	mg/Kg	135758		12/01/04 0001	tds
	Iron, Solid*	20000			3.2	11	1	mg/Kg	135758		12/01/04 0001	tds
	Magnesium, Solid*	6200			1.8	11	1	mg/Kg	135758		12/01/04 0001	tds
	Manganese, Solid*	640			0.14	1.1	1	mg/Kg	135758		12/01/04 0001	tds
	Nickel, Solid*	19			0.26	1.1	1	mg/Kg	135758		12/01/04 0001	tds
	Lead, Solid*	55			0.45	0.53	1	mg/Kg	135758		12/01/04 0001	tds
	Potassium, Solid*	1500			15	53	1	mg/Kg	135758		12/01/04 0001	tds

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: HOK Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-016M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 14:40 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-16 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.85	B		0.42	1.6	1	mg/Kg	135758		12/01/04 0001	tds
	Silver, Solid*	1.1	U		0.33	1.1	1	mg/Kg	135758		12/01/04 0001	tds
	Sodium, Solid*	330			91	320	1	mg/Kg	135758		12/01/04 0001	tds
	Vanadium, Solid*	15			0.22	1.1	1	mg/Kg	135758		12/01/04 0001	tds
	Zinc, Solid*	110			0.42	2.1	1	mg/Kg	135758		12/01/04 0001	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP T4 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-016M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 14:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-16
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136031		12/01/04 0633	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136031		12/01/04 0633	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	136031		12/01/04 0633	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136031		12/01/04 0633	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136031		12/01/04 0633	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	136031		12/01/04 0633	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136031		12/01/04 0633	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136031		12/01/04 0633	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136031		12/01/04 0633	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136031		12/01/04 0633	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136031		12/01/04 0633	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136031		12/01/04 0633	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136031		12/01/04 0633	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136031		12/01/04 0633	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: L10ss-016M-SO
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 14:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-16
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
Method	% Solids Determination	90.5			0.10	0.10	1	%	135002		11/21/04 1537	clb
	% Solids, Solid	9.5			0.10	0.10	1	%	135002		11/21/04 1537	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric)	0.25		B	0.18	0.57	1	mg/Kg	135325		11/23/04 1600	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10ss-017M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-19
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	96.4		0.10	0.10	1	%	135003		11/21/04 1603	clb
	% Moisture, Solid	3.6		0.10	0.10	1	%	135003		11/21/04 1603	clb
7041	Antimony (GFAA) Antimony, Solid*	0.49	B	0.42	1.3	1	mg/Kg	135231		11/22/04 2210	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58	U	0.18	0.58	1	mg/Kg	135426		11/23/04 1318	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.045		0.0045	0.017	1	mg/Kg	135630		11/29/04 1615	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	9000		1.2	15	1	mg/Kg	135885		12/01/04 1728	tds
	Barium, Solid*	88		0.12	1.0	1	mg/Kg	135885		12/01/04 1728	tds
	Arsenic, Solid*	9.3		0.43	1.5	1	mg/Kg	135885		12/01/04 1728	tds
	Beryllium, Solid*	1.2		0.013	0.41	1	mg/Kg	135885		12/01/04 1728	tds
	Cadmium, Solid*	0.16	B	0.025	0.25	1	mg/Kg	136017		12/02/04 1718	tds
	Calcium, Solid*	33000		0.80	10	1	mg/Kg	135885		12/01/04 1728	tds
	Chromium, Solid*	15		0.11	1.0	1	mg/Kg	135885		12/01/04 1728	tds
	Cobalt, Solid*	6.8		0.062	0.51	1	mg/Kg	135885		12/01/04 1728	tds
	Copper, Solid*	13		0.33	3.1	1	mg/Kg	135885		12/01/04 1728	tds
	Iron, Solid*	16000		3.3	10	1	mg/Kg	135885		12/01/04 1728	tds
	Magnesium, Solid*	4700		1.1	10	1	mg/Kg	135885		12/01/04 1728	tds
	Manganese, Solid*	890		0.034	1.0	1	mg/Kg	135885		12/01/04 1728	tds
	Nickel, Solid*	14		0.11	1.0	1	mg/Kg	135885		12/01/04 1728	tds
	Lead, Solid*	40		0.21	0.51	1	mg/Kg	135885		12/01/04 1728	tds
	Potassium, Solid*	880		4.6	51	1	mg/Kg	135885		12/01/04 1728	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP TA AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-017M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-19
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.1		B	0.51	1.5	1	mg/Kg	135885		12/01/04 1728	tds
	Silver, Solid*	1.0		U	0.11	1.0	1	mg/Kg	135885		12/01/04 1728	tds
	Sodium, Solid*	350			87	310	1	mg/Kg	135885		12/01/04 1728	tds
	Vanadium, Solid*	14			0.092	1.0	1	mg/Kg	135885		12/01/04 1728	tds
	Zinc, Solid*	69			0.80	2.0	1	mg/Kg	135885		12/01/04 1728	tds

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/07/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-017M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 11:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-19 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136326		11/29/04 1508	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136326		11/29/04 1508	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	136326		11/29/04 1508	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136326		11/29/04 1508	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136326		11/29/04 1508	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136326		11/29/04 1508	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136326		11/29/04 1508	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136326		11/29/04 1508	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136326		11/29/04 1508	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136326		11/29/04 1508	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136326		11/29/04 1508	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136326		11/29/04 1508	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136326		11/29/04 1508	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136326		11/29/04 1508	san

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/09/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-017M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 11:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-19 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method 9014/9010B	% Solids Determination	96.4			0.10	0.10	1	%	135003		11/21/04 1603	clb
	% Solids, Solid	3.6			0.10	0.10	1	%	135003		11/21/04 1603	clb
	% Moisture, Solid											
	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.33		B	0.19	0.62	1	mg/Kg	135325		11/23/04 1557	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-017M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-1
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	96.4		0.10	0.10	1	%	135000		11/21/04 1303	clb
	% Moisture, Solid	3.6		0.10	0.10	1	%	135000		11/21/04 1303	clb
7041	Antimony (GFAA) Antimony, Solid*	0.53	B	0.42	1.4	1	mg/Kg	135375		11/23/04 1026	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58	U	0.18	0.58	1	mg/Kg	135426		11/23/04 2132	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.047		0.0020	0.017	1	mg/Kg	135872		11/30/04 1542	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	8700		2.4	15	1	mg/Kg	135750		11/30/04 1617	tds
	Barium, Solid*	81		0.16	0.99	1	mg/Kg	135750		11/30/04 1617	tds
	Arsenic, Solid*	8.5		0.50	1.5	1	mg/Kg	135750		11/30/04 1617	tds
	Beryllium, Solid*	0.99		0.044	0.40	1	mg/Kg	135750		11/30/04 1617	tds
	Cadmium, Solid*	0.35		0.079	0.25	1	mg/Kg	135750		11/30/04 1617	tds
	Calcium, Solid*	22000		3.1	9.9	1	mg/Kg	135750		11/30/04 1617	tds
	Chromium, Solid*	14		0.22	0.99	1	mg/Kg	135750		11/30/04 1617	tds
	Cobalt, Solid*	6.7		0.14	0.49	1	mg/Kg	135750		11/30/04 1617	tds
	Copper, Solid*	12		0.89	3.0	1	mg/Kg	135750		11/30/04 1617	tds
	Iron, Solid*	15000		3.0	9.9	1	mg/Kg	135750		11/30/04 1617	tds
	Magnesium, Solid*	3600		1.7	9.9	1	mg/Kg	135750		11/30/04 1617	tds
	Manganese, Solid*	790		0.13	0.99	1	mg/Kg	135750		11/30/04 1617	tds
	Nickel, Solid*	13		0.25	0.99	1	mg/Kg	135750		11/30/04 1617	tds
Lead, Solid*	37		0.43	1.5	1	mg/Kg	135750		11/30/04 1617	tds	
Potassium, Solid*	890		14	49	1	mg/Kg	135750		11/30/04 1617	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-017M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-1
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.54	B		0.40	1.5	1	mg/Kg	135750		11/30/04 1617	tds
	Silver, Solid*	0.99	U		0.31	0.99	1	mg/Kg	135750		11/30/04 1617	tds
	Sodium, Solid*	290	B		86	300	1	mg/Kg	135750		11/30/04 1617	tds
	Vanadium, Solid*	14			0.21	0.99	1	mg/Kg	135750		11/30/04 1617	tds
	Zinc, Solid*	65			0.40	2.0	1	mg/Kg	135750		11/30/04 1617	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-017W-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-1
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DTE	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 1440	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135964		11/29/04 1440	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135964		11/29/04 1440	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 1440	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135964		11/29/04 1440	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135964		11/29/04 1440	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135964		11/29/04 1440	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135964		11/29/04 1440	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 1440	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 1440	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135964		11/29/04 1440	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135964		11/29/04 1440	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 1440	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 1440	san

* In Description = Dry Wgt.

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TEST METHOD		PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method		% Solids Determination	96.4			0.10	0.10	1	%	135000		11/21/04 1303	clb
		% Solids, Solid	3.6			0.10	0.10	1	%	135000		11/21/04 1303	clb
		% Moisture, Solid											
9014/9010B		Cyanide (Colorimetric)	0.32		B	0.20	0.64	1	mg/Kg	135199		11/22/04 1513	mtb
		Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-018N-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-20
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	98.1		0.10	0.10	1	%	134917		11/19/04 1506	daj
	% Moisture, Solid	1.9		0.10	0.10	1	%	134917		11/19/04 1506	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4	U	0.43	1.4	1	mg/Kg	135231		11/22/04 2235	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59	U	0.19	0.59	1	mg/Kg	135426		11/23/04 1330	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.034		0.0044	0.017	1	mg/Kg	135630		11/29/04 1617	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	8300		1.2	15	1	mg/Kg	135885		12/01/04 1734	tds
	Barium, Solid*	60		0.12	1.0	1	mg/Kg	135885		12/01/04 1734	tds
	Arsenic, Solid*	10		0.42	1.5	1	mg/Kg	135885		12/01/04 1734	tds
	Beryllium, Solid*	0.59		0.013	0.40	1	mg/Kg	135885		12/01/04 1734	tds
	Cadmium, Solid*	0.42		0.025	0.25	1	mg/Kg	136017		12/02/04 1724	tds
	Calcium, Solid*	2000		0.79	10	1	mg/Kg	135885		12/01/04 1734	tds
	Chromium, Solid*	21		0.11	1.0	1	mg/Kg	135885		12/01/04 1734	tds
	Cobalt, Solid*	8.3		0.061	0.50	1	mg/Kg	135885		12/01/04 1734	tds
	Copper, Solid*	30		0.32	3.0	1	mg/Kg	135885		12/01/04 1734	tds
	Iron, Solid*	19000		3.3	10	1	mg/Kg	135885		12/01/04 1734	tds
	Magnesium, Solid*	2200		1.1	10	1	mg/Kg	135885		12/01/04 1734	tds
	Manganese, Solid*	500		0.033	1.0	1	mg/Kg	135885		12/01/04 1734	tds
	Nickel, Solid*	18		0.11	1.0	1	mg/Kg	135885		12/01/04 1734	tds
	Lead, Solid*	65		0.21	0.50	1	mg/Kg	135885		12/01/04 1734	tds
	Potassium, Solid*	760		4.5	50	1	mg/Kg	135885		12/01/04 1734	tds

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-018M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 10:00 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-20 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.76	B		0.50	1.5	1	mg/Kg	135885		12/01/04 1734	tds
	Silver, Solid*	1.0	U		0.11	1.0	1	mg/Kg	135885		12/01/04 1734	tds
	Sodium, Solid*	280	B		86	300	1	mg/Kg	135885		12/01/04 1734	tds
	Vanadium, Solid*	17			0.090	1.0	1	mg/Kg	135885		12/01/04 1734	tds
	Zinc, Solid*	94			0.79	2.0	1	mg/Kg	135885		12/01/04 1734	tds

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/07/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AODS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-018M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 10:00 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-20 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136326		11/29/04 1541	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136326		11/29/04 1541	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	136326		11/29/04 1541	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136326		11/29/04 1541	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136326		11/29/04 1541	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	136326		11/29/04 1541	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136326		11/29/04 1541	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136326		11/29/04 1541	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136326		11/29/04 1541	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136326		11/29/04 1541	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136326		11/29/04 1541	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136326		11/29/04 1541	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136326		11/29/04 1541	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136326		11/29/04 1541	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232119				Date: 12/09/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10ss-018M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 10:00 Sample Matrix.....: Soil						Laboratory Sample ID: 232119-20 Date Received.....: 11/19/2004 Time Received.....: 09:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	f	%	134917		11/19/04 1506	daj
	% Moisture, Solid	1.9			0.10	0.10	f	%	134917		11/19/04 1506	daj
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.69	U		0.22	0.69	f	mg/Kg	135325		11/23/04 1557	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elits

Customer Sample ID: L10ss-019N-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-7
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.1			0.10	0.10	1	%	135000		11/21/04 1322	clb
	% Moisture, Solid	7.9			0.10	0.10	1	%	135000		11/21/04 1322	clb
7041	Antimony (GFAA) Antimony, Solid*	1.0		B	0.46	1.5	1	mg/Kg	135375		11/23/04 1229	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	135426		11/23/04 2335	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.070			0.0021	0.018	1	mg/Kg	135872		11/30/04 1600	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.6	16	1	mg/Kg	135750		11/30/04 1743	tds
	Barium, Solid*	58			0.17	1.1	1	mg/Kg	135750		11/30/04 1743	tds
	Arsenic, Solid*	11			0.54	1.6	1	mg/Kg	135750		11/30/04 1743	tds
	Beryllium, Solid*	0.59			0.047	0.43	1	mg/Kg	135750		11/30/04 1743	tds
	Cadmium, Solid*	0.55			0.085	0.27	1	mg/Kg	135750		11/30/04 1743	tds
	Calcium, Solid*	2200			3.3	11	1	mg/Kg	135750		11/30/04 1743	tds
	Chromium, Solid*	27			0.23	1.1	1	mg/Kg	135750		11/30/04 1743	tds
	Cobalt, Solid*	7.0			0.15	0.53	1	mg/Kg	135750		11/30/04 1743	tds
	Copper, Solid*	23			0.96	3.2	1	mg/Kg	135750		11/30/04 1743	tds
	Iron, Solid*	21000			3.2	11	1	mg/Kg	135750		11/30/04 1743	tds
	Magnesium, Solid*	2500			1.8	11	1	mg/Kg	135750		11/30/04 1743	tds
	Manganese, Solid*	310			0.14	1.1	1	mg/Kg	135750		11/30/04 1743	tds
	Nickel, Solid*	19			0.27	1.1	1	mg/Kg	135750		11/30/04 1743	tds
	Lead, Solid*	83			0.46	1.6	1	mg/Kg	135750		11/30/04 1743	tds
Potassium, Solid*	940			15	53	1	mg/Kg	135750		11/30/04 1743	tds	

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-019M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 15:20 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-7 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	Dr	DATE/TIME	TECH
	Selenium, Solid*	0.49	B		0.43	1.6	1	mg/Kg	135750		11/30/04 1743	tds
	Silver, Solid*	1.1	U		0.33	1.1	1	mg/Kg	135750		11/30/04 1743	tds
	Sodium, Solid*	260	B		92	320	1	mg/Kg	135750		11/30/04 1743	tds
	Vanadium, Solid*	21			0.22	1.1	1	mg/Kg	135750		11/30/04 1743	tds
	Zinc, Solid*	88			0.43	2.1	1	mg/Kg	135750		11/30/04 1743	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-019M-SO
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-7
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 2146	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135964		11/29/04 2146	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135964		11/29/04 2146	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 2146	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135964		11/29/04 2146	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 2146	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135964		11/29/04 2146	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135964		11/29/04 2146	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 2146	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 2146	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135964		11/29/04 2146	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135964		11/29/04 2146	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 2146	san
3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 2146	san	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/14/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-019M-SO
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-7
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	92.1			0.10	0.10	1	%	135000		11/21/04 1322	clb
	% Solids, Solid	7.9			0.10	0.10	1	%	135000		11/21/04 1322	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.62		U	0.20	0.62	1	mg/Kg	135199		11/22/04 1516	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/06/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-020M-50
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-21
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.7			0.10	0.10	1	%	134917		11/19/04 1508	daj
	% Moisture, Solid	6.3			0.10	0.10	1	%	134917		11/19/04 1508	daj
704f	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	135231		11/22/04 2245	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	135426		11/23/04 1342	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.050			0.0046	0.018	1	mg/Kg	135630		11/29/04 1620	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9700			1.2	16	1	mg/Kg	135885		12/01/04 1741	tds
	Barium, Solid*	65			0.13	1.1	1	mg/Kg	135885		12/01/04 1741	tds
	Arsenic, Solid*	12			0.44	1.6	1	mg/Kg	135885		12/01/04 1741	tds
	Beryllium, Solid*	0.72			0.014	0.42	1	mg/Kg	135885		12/01/04 1741	tds
	Cadmium, Solid*	0.057		B	0.026	0.26	1	mg/Kg	136017		12/02/04 1730	tds
	Calcium, Solid*	2700			0.83	11	1	mg/Kg	135885		12/01/04 1741	tds
	Chromium, Solid*	19			0.12	1.1	1	mg/Kg	135885		12/01/04 1741	tds
	Cobalt, Solid*	7.9			0.064	0.53	1	mg/Kg	135885		12/01/04 1741	tds
	Copper, Solid*	14			0.34	3.2	1	mg/Kg	135885		12/01/04 1741	tds
	Iron, Solid*	20000			3.4	11	1	mg/Kg	135885		12/01/04 1741	tds
	Magnesium, Solid*	2200			1.2	11	1	mg/Kg	135885		12/01/04 1741	tds
	Manganese, Solid*	690			0.035	1.1	1	mg/Kg	135885		12/01/04 1741	tds
	Nickel, Solid*	16			0.12	1.1	1	mg/Kg	135885		12/01/04 1741	tds
	Lead, Solid*	26			0.22	0.53	1	mg/Kg	135885		12/01/04 1741	tds
	Potassium, Solid*	990			4.8	53	1	mg/Kg	135885		12/01/04 1741	tds

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: NKN Engineers, Inc.			PROJECT: USACE RVAMP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-020M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 15:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-21 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.73	B		0.53	1.6	1	mg/Kg	135885		12/01/04 1741	tds
	Silver, Solid*	1.1	U		0.12	1.1	1	mg/Kg	135885		12/01/04 1741	tds
	Sodium, Solid*	280	B		91	320	1	mg/Kg	135885		12/01/04 1741	tds
	Vanadium, Solid*	20			0.095	1.1	1	mg/Kg	135885		12/01/04 1741	tds
	Zinc, Solid*	63			0.83	2.1	1	mg/Kg	135885		12/01/04 1741	tds

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/07/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP TA AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-020M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 15:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-21 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136326		11/29/04 2223	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136326		11/29/04 2223	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	136326		11/29/04 2223	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136326		11/29/04 2223	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136326		11/29/04 2223	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	136326		11/29/04 2223	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136326		11/29/04 2223	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136326		11/29/04 2223	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136326		11/29/04 2223	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136326		11/29/04 2223	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136326		11/29/04 2223	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136326		11/29/04 2223	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136326		11/29/04 2223	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136326		11/29/04 2223	san

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/09/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AGGS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-020M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 15:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-21 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	93.7			0.10	0.10	1	%	134917		11/19/04 1508	da j
	% Solids, Solid	6.3			0.10	0.10	1	%	134917		11/19/04 1508	da j
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.19		B	0.17	0.55	1	mg/Kg	135325		11/23/04 1558	mtb

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date:12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGDS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-021M-SO Date Sampled.....: 11/18/2004 Time Sampled.....: 09:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-24 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.2			0.10	0.10	1	%	135002		11/21/04 1559	clb
	% Moisture, Solid	4.8			0.10	0.10	1	%	135002		11/21/04 1559	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	135886		12/01/04 1310	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	135793		11/30/04 0631	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.030			0.0020	0.017	1	mg/Kg	135881		12/01/04 1518	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			2.3	15	1	mg/Kg	135758		12/01/04 0051	tds
	Barium, Solid*	57			0.16	0.97	1	mg/Kg	135758		12/01/04 0051	tds
	Arsenic, Solid*	15			0.49	1.5	1	mg/Kg	135758		12/01/04 0051	tds
	Beryllium, Solid*	0.63			0.043	0.39	1	mg/Kg	135758		12/01/04 0051	tds
	Cadmium, Solid*	0.24		U	0.078	0.24	1	mg/Kg	135758		12/01/04 0051	tds
	Calcium, Solid*	1600			3.0	9.7	1	mg/Kg	135758		12/01/04 0051	tds
	Chromium, Solid*	22			0.21	0.97	1	mg/Kg	135758		12/01/04 0051	tds
	Cobalt, Solid*	8.8			0.14	0.48	1	mg/Kg	135758		12/01/04 0051	tds
	Copper, Solid*	15			0.87	2.9	1	mg/Kg	135758		12/01/04 0051	tds
	Iron, Solid*	22000			2.9	9.7	1	mg/Kg	135758		12/01/04 0051	tds
	Magnesium, Solid*	2200			1.6	9.7	1	mg/Kg	135758		12/01/04 0051	tds
	Manganese, Solid*	510			0.13	0.97	1	mg/Kg	135758		12/01/04 0051	tds
	Nickel, Solid*	20			0.24	0.97	1	mg/Kg	135758		12/01/04 0051	tds
	Lead, Solid*	38			0.42	0.48	1	mg/Kg	135758		12/01/04 0051	tds
	Potassium, Solid*	990			13	48	1	mg/Kg	135758		12/01/04 0051	tds

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date:12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RWAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-021M-S0 Date Sampled.....: 11/18/2004 Time Sampled.....: 09:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-24 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	FECH
	Selenium, Solid*	0.52	B		0.39	1.5	1	mg/Kg	135758		12/01/04 0051	tds
	Silver, Solid*	0.97	U		0.30	0.97	1	mg/Kg	135758		12/01/04 0051	tds
	Sodium, Solid*	270	B		84	290	1	mg/Kg	135758		12/01/04 0051	tds
	Vanadium, Solid*	19			0.20	0.97	1	mg/Kg	135758		12/01/04 0051	tds
	Zinc, Solid*	69			0.39	1.9	1	mg/Kg	135758		12/01/04 0051	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10ss-021M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-24
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	1.7	U		0.16	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	beta-BHC, 3541 Solid*	1.7	U		0.15	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	delta-BHC, 3541 Solid*	1.7	U		0.11	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	gamma-BHC (Lindane), 3541 Solid*	1.7	U		0.23	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Heptachlor, 3541 Solid*	1.7	U	*	0.18	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Aldrin, 3541 Solid*	1.7	U		0.13	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Heptachlor epoxide, 3541 Solid*	1.7	U		0.14	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Endosulfan I, 3541 Solid*	1.7	U		0.27	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Dieldrin, 3541 Solid*	1.7	U		0.34	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	4,4'-DDE, 3541 Solid*	2.0	U		0.65	2.0	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Endrin, 3541 Solid*	1.7	U		0.43	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Endosulfan II, 3541 Solid*	1.7	U		0.28	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	4,4'-DDD, 3541 Solid*	1.7	U		0.36	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Endosulfan sulfate, 3541 Solid*	1.7	U		0.29	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	4,4'-DDT, 3541 Solid*	1.7	U		0.37	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Methoxychlor, 3541 Solid*	8.3	U		2.3	8.3	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	alpha-Chlordane, 3541 Solid*	1.7	U		0.12	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	gamma-Chlordane, 3541 Solid*	1.7	U		0.15	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Endrin aldehyde, 3541 Solid*	1.7	U		0.33	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Endrin ketone, 3541 Solid*	1.7	U		0.29	1.7	1.00000	ug/Kg	136530		11/30/04 0657	kdL
	Toxaphene, 3541 Solid*	17	U		4.6	17	1.00000	ug/Kg	136530		11/30/04 0657	kdL
Method	% Solids Determination											
	% Solids, Solid	95.2			0.10	0.10	1	%	135002		11/21/04 1559	clb
	% Moisture, Solid	4.8			0.10	0.10	1	%	135002		11/21/04 1559	clb

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS							Date: 12/03/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-021M-SO Date Sampled.....: 11/18/2004 Time Sampled.....: 09:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-24 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	33		U	8.9	33	1.00000	ug/Kg	136118		11/29/04 1912	bjt
	Aroclor 1221, 3541 Solid*	33		U	4.6	33	1.00000	ug/Kg	136118		11/29/04 1912	bjt
	Aroclor 1232, 3541 Solid*	17		U	4.5	17	1.00000	ug/Kg	136118		11/29/04 1912	bjt
	Aroclor 1242, 3541 Solid*	33		U	4.9	33	1.00000	ug/Kg	136118		11/29/04 1912	bjt
	Aroclor 1248, 3541 Solid*	17		U	3.7	17	1.00000	ug/Kg	136118		11/29/04 1912	bjt
	Aroclor 1254, 3541 Solid*	33		U	4.5	33	1.00000	ug/Kg	136118		11/29/04 1912	bjt
	Aroclor 1260, 3541 Solid*	33		U	13	33	1.00000	ug/Kg	136118		11/29/04 1912	bjt
Method	% Solids Determination											
	% Solids, Solid	95.2			0.10	0.10	1	%	135002		11/21/04 1559	clb
	% Moisture, Solid	4.8			0.10	0.10	1	%	135002		11/21/04 1559	clb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/02/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADGS

ATTN: Eric Ellis

Customer Sample ID: L10ss-021D-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-B
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Vinyl chloride, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Bromomethane, Solid*	6.4	U		1.7	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Chloroethane, Solid*	6.4	U		1.3	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,1-Dichloroethene, Solid*	6.4	U		1.7	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Carbon disulfide, Solid*	6.4	U		1.5	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Acetone, Solid*	19	U		5.9	19	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Methylene chloride, Solid*	13	U		3.7	13	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	trans-1,2-Dichloroethene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,1-Dichloroethane, Solid*	6.4	U		1.3	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	cis-1,2-Dichloroethene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	2-Butanone (MEK), Solid*	19	U		5.0	19	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Bromochloromethane, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Chloroform, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,1,1-Trichloroethane, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Carbon tetrachloride, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Benzene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,2-Dichloroethane, Solid*	6.4	U		1.2	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Trichloroethene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,2-Dichloropropane, Solid*	6.4	U		1.3	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Bromodichloromethane, Solid*	6.4	U		1.2	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	cis-1,3-Dichloropropene, Solid*	6.4	U		1.2	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13	U		1.3	13	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Toluene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	trans-1,3-Dichloropropene, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,1,2-Trichloroethane, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Tetrachloroethene, Solid*	6.4	U		1.5	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	2-Hexanone, Solid*	13	U		1.4	13	1.00000	ug/Kg	135678		11/29/04 2303	jdj

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 ACOS			ATTN: Eric Ellis						
Customer Sample ID: L10ss-021D-SO Date Sampled.....: 11/18/2004 Time Sampled.....: 09:50 Sample Matrix.....: Soil			Laboratory Sample ID: 232119-8 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	U	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,2-Dibromoethane (EDB), Solid*	6.4	U		1.1	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Chlorobenzene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Ethylbenzene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	m&p-Xylenes, Solid*	13	U		3.0	13	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	o-Xylene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Styrene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Bromoform, Solid*	6.4	U		0.96	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.4	U		1.2	6.4	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	1,2-Dichloroethene (total), Solid*	13	U		2.7	13	1.00000	ug/Kg	135678		11/29/04 2303	jdj
	Xylenes (total), Solid*	13	U		4.4	13	1.00000	ug/Kg	135678		11/29/04 2303	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-021M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-24
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, 3541 Low Solid*	170	U		7.2	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	68	U		9.0	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Benzyl alcohol, 3541 Low Solid*	680	U		75	680	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	68	U		11	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	68	U		13	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Hexachloroethane, 3541 Low Solid*	170	U		8.7	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	68	U		12	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2-Chlorophenol, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Nitrobenzene, 3541 Low Solid*	34	U		8.7	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	68	U		8.9	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Benzoic acid, 3541 Low Solid*	680	U	*	200	680	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Isophorone, 3541 Low Solid*	170	U		20	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	340	U		16	340	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Hexachlorobutadiene, 3541 Low Solid*	170	U		9.2	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Naphthalene, 3541 Low Solid*	9.2	J		8.5	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	340	U		16	340	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	4-Chloroaniline, 3541 Low Solid*	680	U		55	680	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	170	U		38	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	340	U		45	340	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1000	U		310	1000	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2-Methylnaphthalene, 3541 Low Solid*	11	J		10	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2-Nitroaniline, 3541 Low Solid*	170	U		11	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2-Chloronaphthalene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-021M-SO
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-24
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	340	U		35	340	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	34	U		9.4	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2-Nitrophenol, 3541 Low Solid*	340	U		15	340	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	3-Nitroaniline, 3541 Low Solid*	680	U		140	680	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Dimethyl phthalate, 3541 Low Solid*	68	U		9.0	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	680	U	*	110	680	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Acenaphthylene, 3541 Low Solid*	34	U		8.4	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Acenaphthene, 3541 Low Solid*	34	U		8.4	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Dibenzofuran, 3541 Low Solid*	68	U		8.9	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	4-Nitrophenol, 3541 Low Solid*	680	U		220	680	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Fluorene, 3541 Low Solid*	34	U		9.2	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	4-Nitroaniline, 3541 Low Solid*	680	U		46	680	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	170	U		10	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Hexachlorobenzene, 3541 Low Solid*	34	U		9.7	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Diethyl phthalate, 3541 Low Solid*	68	U		9.7	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	170	U		10	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Pentachlorophenol, 3541 Low Solid*	340	U		110	340	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	34	U	*	11	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	680	U	*	170	680	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Phenanthrene, 3541 Low Solid*	28	J		15	51	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Anthracene, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Carbazole, 3541 Low Solid*	170	U		12	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	170	U		12	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Fluoranthene, 3541 Low Solid*	46	U		11	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Pyrene, 3541 Low Solid*	36	J		12	51	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	68	U		10	68	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Benzo(a)anthracene, 3541 Low Solid*	18	J		10	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Chrysene, 3541 Low Solid*	30	J		11	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYANP 14 AOCs

ATTN: Eric Ellits

Customer Sample ID: L10ss-021M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-24
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	170	U		15	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	170	U		33	170	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	340	U		11	340	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	33	J		9.0	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	34	U		9.6	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Benzo(a)pyrene, 3541 Low Solid*	22	J		9.7	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	14	J		10	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	34	U		9.7	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	15	J		11	34	1.00000	ug/Kg	136423		12/01/04 2003	dpk
Method	% Solids Determination											
	% Solids, Solid	95.2			0.10	0.10	1	%	135002		11/21/04 1559	clb
	% Moisture, Solid	4.8			0.10	0.10	1	%	135002		11/21/04 1559	clb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-021M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-24
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	136031		12/01/04 1303	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136031		12/01/04 1303	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	136031		12/01/04 1303	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136031		12/01/04 1303	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	136031		12/01/04 1303	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136031		12/01/04 1303	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136031		12/01/04 1303	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	136031		12/01/04 1303	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136031		12/01/04 1303	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136031		12/01/04 1303	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	136031		12/01/04 1303	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136031		12/01/04 1303	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136031		12/01/04 1303	san
3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	136031		12/01/04 1303	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	0.49	U		0.12	0.49	1.00000	mg/Kg	136037		12/01/04 2321	san	

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: L10ss-021M-S0

Trace Level Organic Compounds

Lot-Sample #...: G4K200229-005 Work Order #...: GXJH81AA Matrix.....: SOLID
Date Sampled...: 11/18/04 09:50 Date Received...: 11/20/04
Prep Date.....: 12/02/04 Analysis Date...: 12/05/04
Prep Batch #...: 4336497
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	0.25	mg/kg	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: I10ss-021M-SO

General Chemistry

Lot-Sample #...: G4K200229-005 Work Order #...: GXJH8 Matrik.....: SOLID
Date Sampled...: 11/18/04 Date Received...: 11/20/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
Nitrocellulose	1.3 B, J	2.0	mg/kg	MCAMW	353.2	12/02-12/04/04 4336499
	MDL.....		: 0.57			

NOTE(S) :

- RL Reporting Limit
- B Estimated result. Result is less than RL.
- J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-021M-SO
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-24
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	95.2			0.10	0.10	1	%	135002		11/21/04 1559	clb
	% Solids, Solid	4.8			0.10	0.10	1	%	135002		11/21/04 1559	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.20		B	0.19	0.60	1	mg/Kg	135325		11/23/04 1603	mtb

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 ROCS				ATTN: Eric Ellis						
Customer Sample ID: L10ss-022M-SO		Date Sampled.....: 11/18/2004		Laboratory Sample ID: 232168-21		Date Received.....: 11/20/2004						
Time Sampled.....: 10:20		Sample Matrix.....: Soil		Time Received.....: 09:00								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEGH
Method	% Solids Determination											
	% Solids, Solid	98.2			0.10	0.10	1	%	135002		11/21/04 1551	clb
	% Moisture, Solid	1.8			0.10	0.10	1	%	135002		11/21/04 1551	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	135886		12/01/04 1233	daj
7841	Thallium (GFAA) Thallium, Solid*	0.23		B	0.19	0.60	1	mg/Kg	135793		11/30/04 0515	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.032			0.0020	0.017	1	mg/Kg	135881		12/01/04 1511	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.3	14	1	mg/Kg	135758		12/01/04 0032	tds
	Barium, Solid*	66			0.15	0.94	1	mg/Kg	135758		12/01/04 0032	tds
	Arsenic, Solid*	10			0.48	1.4	1	mg/Kg	135758		12/01/04 0032	tds
	Beryllium, Solid*	0.61			0.041	0.38	1	mg/Kg	135758		12/01/04 0032	tds
	Cadmium, Solid*	0.24		U	0.075	0.24	1	mg/Kg	135758		12/01/04 0032	tds
	Calcium, Solid*	1500			2.9	9.4	1	mg/Kg	135758		12/01/04 0032	tds
	Chromium, Solid*	19			0.21	0.94	1	mg/Kg	135758		12/01/04 0032	tds
	Cobalt, Solid*	7.4			0.13	0.47	1	mg/Kg	135758		12/01/04 0032	tds
	Copper, Solid*	15			0.85	2.8	1	mg/Kg	135758		12/01/04 0032	tds
	Iron, Solid*	20000			2.8	9.4	1	mg/Kg	135758		12/01/04 0032	tds
	Magnesium, Solid*	2000			1.6	9.4	1	mg/Kg	135758		12/01/04 0032	tds
	Manganese, Solid*	510			0.12	0.94	1	mg/Kg	135758		12/01/04 0032	tds
	Nickel, Solid*	16			0.24	0.94	1	mg/Kg	135758		12/01/04 0032	tds
	Lead, Solid*	55			0.41	0.47	1	mg/Kg	135758		12/01/04 0032	tds
	Potassium, Solid*	1100			13	47	1	mg/Kg	135758		12/01/04 0032	tds

* In Description = Dry Wgt.

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Job Number: 232168 LABORATORY TEST RESULTS Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: L10ss-022M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-21
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.65	B		0.38	1.4	1	mg/Kg	135758		12/01/04 0032	tds
	Silver, Solid*	0.94	U		0.29	0.94	1	mg/Kg	135758		12/01/04 0032	tds
	Sodium, Solid*	270	B		82	280	1	mg/Kg	135758		12/01/04 0032	tds
	Vanadium, Solid*	20			0.20	0.94	1	mg/Kg	135758		12/01/04 0032	tds
	Zinc, Solid*	94			0.38	1.9	1	mg/Kg	135758		12/01/04 0032	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-022M-SO
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-21
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.19	U		0.055	0.19	1.00000	mg/Kg	136031		12/01/04 1126	san
	RDX, Solid	0.19	U		0.061	0.19	1.00000	mg/Kg	136031		12/01/04 1126	san
	1,3,5-Trinitrobenzene, Solid	0.097	U		0.032	0.097	1.00000	mg/Kg	136031		12/01/04 1126	san
	1,3-Dinitrobenzene, Solid	0.097	U		0.023	0.097	1.00000	mg/Kg	136031		12/01/04 1126	san
	Nitrobenzene, Solid	0.097	U		0.020	0.097	1.00000	mg/Kg	136031		12/01/04 1126	san
	2,4,6-TNT, Solid	0.097	U		0.023	0.097	1.00000	mg/Kg	136031		12/01/04 1126	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136031		12/01/04 1126	san
	2,4-Dinitrotoluene, Solid	0.097	U		0.025	0.097	1.00000	mg/Kg	136031		12/01/04 1126	san
	2,6-Dinitrotoluene, Solid	0.19	U		0.047	0.19	1.00000	mg/Kg	136031		12/01/04 1126	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.19	U		0.044	0.19	1.00000	mg/Kg	136031		12/01/04 1126	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.092	0.29	1.00000	mg/Kg	136031		12/01/04 1126	san
	2-Nitrotoluene, Solid	0.19	U		0.047	0.19	1.00000	mg/Kg	136031		12/01/04 1126	san
	4-Nitrotoluene, Solid	0.19	U		0.049	0.19	1.00000	mg/Kg	136031		12/01/04 1126	san
	3-Nitrotoluene, Solid	0.19	U		0.052	0.19	1.00000	mg/Kg	136031		12/01/04 1126	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-022M-SO
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-21
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.2			0.10	0.10	1	%	135002		11/21/04 1551	clb
	% Solids, Solid	1.8			0.10	0.10	1	%	135002		11/21/04 1551	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.52		U	0.16	0.52	1	mg/Kg	135325		11/23/04 1603	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellett

Customer Sample ID: L10ss-023M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-19
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.5			0.10	0.10	1	%	135002		11/21/04 1545	clb
	% Moisture, Solid	5.5			0.10	0.10	1	%	135002		11/21/04 1545	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	135886		12/01/04 1157	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	135793		11/30/04 0437	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033			0.0021	0.017	1	mg/Kg	135881		12/01/04 1507	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.4	15	1	mg/Kg	135758		12/01/04 0020	tds
	Barium, Solid*	61			0.16	1.0	1	mg/Kg	135758		12/01/04 0020	tds
	Arsenic, Solid*	11			0.52	1.5	1	mg/Kg	135758		12/01/04 0020	tds
	Beryllium, Solid*	0.66			0.045	0.40	1	mg/Kg	135758		12/01/04 0020	tds
	Cadmium, Solid*	0.25		U	0.081	0.25	1	mg/Kg	135758		12/01/04 0020	tds
	Calcium, Solid*	1300			3.1	10	1	mg/Kg	135758		12/01/04 0020	tds
	Chromium, Solid*	24			0.22	1.0	1	mg/Kg	135758		12/01/04 0020	tds
	Cobalt, Solid*	8.8			0.14	0.51	1	mg/Kg	135758		12/01/04 0020	tds
	Copper, Solid*	15			0.91	3.0	1	mg/Kg	135758		12/01/04 0020	tds
	Iron, Solid*	21000			3.0	10	1	mg/Kg	135758		12/01/04 0020	tds
	Magnesium, Solid*	2200			1.7	10	1	mg/Kg	135758		12/01/04 0020	tds
	Manganese, Solid*	550			0.13	1.0	1	mg/Kg	135758		12/01/04 0020	tds
	Nickel, Solid*	19			0.25	1.0	1	mg/Kg	135758		12/01/04 0020	tds
	Lead, Solid*	60			0.44	0.51	1	mg/Kg	135758		12/01/04 0020	tds
	Potassium, Solid*	1100			14	51	1	mg/Kg	135758		12/01/04 0020	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168 Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs
ATTN: Eric Ellis

Customer Sample ID: L10ss-023M-S0 Laboratory Sample ID: 232168-19
 Date Sampled.....: 11/18/2004 Date Received.....: 11/20/2004
 Time Sampled.....: 11:10 Time Received.....: 09:00
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.71	B		0.40	1.5	1	mg/Kg	135758		12/01/04 0020	tds
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	135758		12/01/04 0020	tds
	Sodium, Solid*	290	B		88	300	1	mg/Kg	135758		12/01/04 0020	tds
	Vanadium, Solid*	21			0.21	1.0	1	mg/Kg	135758		12/01/04 0020	tds
	Zinc, Solid*	80			0.40	2.0	1	mg/Kg	135758		12/01/04 0020	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-023M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-19
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136031		12/01/04 0811	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136031		12/01/04 0811	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	136031		12/01/04 0811	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136031		12/01/04 0811	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136031		12/01/04 0811	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	136031		12/01/04 0811	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136031		12/01/04 0811	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136031		12/01/04 0811	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136031		12/01/04 0811	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136031		12/01/04 0811	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136031		12/01/04 0811	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136031		12/01/04 0811	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136031		12/01/04 0811	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136031		12/01/04 0811	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/14/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-023M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-19
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	94.5			0.10	0.10	1	%	135002		11/21/04 1545	clb
	% Solids, Solid	5.5			0.10	0.10	1	%	135002		11/21/04 1545	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.51		U	0.16	0.51	1	mg/Kg	135325		11/23/04 1602	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-024M-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 14:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-20
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.1			0.10	0.10	1	%	135002		11/21/04 1548	clb
	% Moisture, Solid	2.9			0.10	0.10	1	%	135002		11/21/04 1548	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	135886		12/01/04 1209	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	135793		11/30/04 0450	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.026			0.0020	0.017	1	mg/Kg	135881		12/01/04 1509	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.4	15	1	mg/Kg	135758		12/01/04 0026	tds
	Barium, Solid*	78			0.16	0.99	1	mg/Kg	135758		12/01/04 0026	tds
	Arsenic, Solid*	14			0.50	1.5	1	mg/Kg	135758		12/01/04 0026	tds
	Beryllium, Solid*	0.79			0.043	0.39	1	mg/Kg	135758		12/01/04 0026	tds
	Cadmium, Solid*	0.25		U	0.079	0.25	1	mg/Kg	135758		12/01/04 0026	tds
	Calcium, Solid*	2400			3.1	9.9	1	mg/Kg	135758		12/01/04 0026	tds
	Chromium, Solid*	19			0.22	0.99	1	mg/Kg	135758		12/01/04 0026	tds
	Cobalt, Solid*	11			0.14	0.49	1	mg/Kg	135758		12/01/04 0026	tds
	Copper, Solid*	29			0.89	3.0	1	mg/Kg	135758		12/01/04 0026	tds
	Iron, Solid*	25000			3.0	9.9	1	mg/Kg	135758		12/01/04 0026	tds
	Magnesium, Solid*	3200			1.7	9.9	1	mg/Kg	135758		12/01/04 0026	tds
	Manganese, Solid*	340			0.13	0.99	1	mg/Kg	135758		12/01/04 0026	tds
	Nickel, Solid*	26			0.25	0.99	1	mg/Kg	135758		12/01/04 0026	tds
	Lead, Solid*	17			0.42	0.49	1	mg/Kg	135758		12/01/04 0026	tds
	Potassium, Solid*	1500			14	49	1	mg/Kg	135758		12/01/04 0026	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232168								Date: 12/06/2004			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: L10ss-024M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 14:20 Sample Matrix.....: Soil						Laboratory Sample ID: 232168-20 Date Received.....: 11/20/2004 Time Received.....: 09:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.46	B	0.39	1.5	1	mg/Kg	135758		12/01/04 0026	tds
	Silver, Solid*	0.99	U	0.31	0.99	1	mg/Kg	135758		12/01/04 0026	tds
	Sodium, Solid*	330		85	300	1	mg/Kg	135758		12/01/04 0026	tds
	Vanadium, Solid*	20		0.21	0.99	1	mg/Kg	135758		12/01/04 0026	tds
	Zinc, Solid*	65		0.39	2.0	1	mg/Kg	135758		12/01/04 0026	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168 Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USAGE RYANP TA AOCs ATTN: Eric Ellis

Customer Sample ID: L10ss-024M-SO Laboratory Sample ID: 232168-20
 Date Sampled.....: 11/17/2004 Date Received.....: 11/20/2004
 Time Sampled.....: 14:20 Time Received.....: 09:00
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (NPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136031		12/01/04 0948	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136031		12/01/04 0948	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136031		12/01/04 0948	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136031		12/01/04 0948	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136031		12/01/04 0948	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136031		12/01/04 0948	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136031		12/01/04 0948	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136031		12/01/04 0948	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136031		12/01/04 0948	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	136031		12/01/04 0948	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136031		12/01/04 0948	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136031		12/01/04 0948	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136031		12/01/04 0948	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136031		12/01/04 0948	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 12/14/2004

Job Number: 232168

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-024M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 14:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-20
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.1			0.10	0.10	1	%	135002		11/21/04 1548	clb
	% Solids, Solid	2.9			0.10	0.10	1	%	135002		11/21/04 1548	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.21		B	0.18	0.58	1	mg/Kg	135325		11/23/04 1602	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-025M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 08:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-9
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.6			0.10	0.10	1	%	135000		11/21/04 1328	clb
	% Moisture, Solid	2.4			0.10	0.10	1	%	135000		11/21/04 1328	clb
7041	Antimony (GFAA) Antimony, Solid*	0.53		B	0.44	1.4	1	mg/Kg	135375		11/23/04 1305	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	135426		11/24/04 0025	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.040			0.0020	0.017	1	mg/Kg	135872		11/30/04 1605	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.3	14	1	mg/Kg	135750		11/30/04 1755	tds
	Barium, Solid*	71			0.15	0.96	1	mg/Kg	135750		11/30/04 1755	tds
	Arsenic, Solid*	11			0.49	1.4	1	mg/Kg	135750		11/30/04 1755	tds
	Beryllium, Solid*	0.74			0.042	0.38	1	mg/Kg	135750		11/30/04 1755	tds
	Cadmium, Solid*	0.24		U	0.077	0.24	1	mg/Kg	135750		11/30/04 1755	tds
	Calcium, Solid*	2600			3.0	9.6	1	mg/Kg	135750		11/30/04 1755	tds
	Chromium, Solid*	18			0.21	0.96	1	mg/Kg	135750		11/30/04 1755	tds
	Cobalt, Solid*	10			0.13	0.48	1	mg/Kg	135750		11/30/04 1755	tds
	Copper, Solid*	16			0.87	2.9	1	mg/Kg	135750		11/30/04 1755	tds
	Iron, Solid*	22000			2.9	9.6	1	mg/Kg	135750		11/30/04 1755	tds
	Magnesium, Solid*	2400			1.6	9.6	1	mg/Kg	135750		11/30/04 1755	tds
	Manganese, Solid*	680			0.12	0.96	1	mg/Kg	135750		11/30/04 1755	tds
	Nickel, Solid*	17			0.24	0.96	1	mg/Kg	135750		11/30/04 1755	tds
	Lead, Solid*	25			0.41	1.4	1	mg/Kg	135750		11/30/04 1755	tds
	Potassium, Solid*	1000			13	48	1	mg/Kg	135750		11/30/04 1755	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-025M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 08:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-9
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.56	8		0.38	1.4	1	mg/Kg	135750		11/30/04 1755	tds
	Silver, Solid*	0.96	U		0.30	0.96	1	mg/Kg	135750		11/30/04 1755	tds
	Sodium, Solid*	290	8		83	290	1	mg/Kg	135750		11/30/04 1755	tds
	Vanadium, Solid*	22			0.20	0.96	1	mg/Kg	135750		11/30/04 1755	tds
	Zinc, Solid*	56			0.38	1.9	1	mg/Kg	135750		11/30/04 1755	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-025M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 08:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-9
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (NPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 2251	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135964		11/29/04 2251	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135964		11/29/04 2251	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 2251	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135964		11/29/04 2251	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135964		11/29/04 2251	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135964		11/29/04 2251	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135964		11/29/04 2251	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 2251	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 2251	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135964		11/29/04 2251	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135964		11/29/04 2251	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 2251	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 2251	san

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Elie					
Customer Sample ID: L10ss-025M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 08:55 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-9 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.6			0.10	0.10	1	%	135000		11/21/04 1328	clb
	% Moisture, Solid	2.4			0.10	0.10	1	%	135000		11/21/04 1328	clb
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.53		U	0.17	0.53	1	mg/Kg	135199		11/22/04 1517	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/09/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-026M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-20
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	97.7		0.10	0.10	1	%	134910		11/19/04 1430	daj
	% Moisture, Solid	2.3		0.10	0.10	1	%	134910		11/19/04 1430	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4	U	0.44	1.4	1	mg/Kg	135109		11/21/04 1729	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60	U	0.19	0.60	1	mg/Kg	135107		11/22/04 0335	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.027		0.0020	0.017	1	mg/Kg	135872		11/30/04 1529	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	12000		2.3	15	1	mg/Kg	135680		11/29/04 2240	tds
	Barium, Solid*	68		0.16	0.97	1	mg/Kg	135680		11/29/04 2240	tds
	Arsenic, Solid*	13		0.50	1.5	1	mg/Kg	135680		11/29/04 2240	tds
	Beryllium, Solid*	0.75		0.043	0.39	1	mg/Kg	135680		11/29/04 2240	tds
	Cadmium, Solid*	0.24	U	0.078	0.24	1	mg/Kg	135680		11/29/04 2240	tds
	Calcium, Solid*	8700		3.0	9.7	1	mg/Kg	135680		11/29/04 2240	tds
	Chromium, Solid*	18		0.21	0.97	1	mg/Kg	135680		11/29/04 2240	tds
	Cobalt, Solid*	10		0.14	0.49	1	mg/Kg	135680		11/29/04 2240	tds
	Copper, Solid*	20		0.88	2.9	1	mg/Kg	135680		11/29/04 2240	tds
	Iron, Solid*	24000		2.9	9.7	1	mg/Kg	135680		11/29/04 2240	tds
	Magnesium, Solid*	4300		1.7	9.7	1	mg/Kg	135680		11/29/04 2240	tds
	Manganese, Solid*	340		0.13	0.97	1	mg/Kg	135680		11/29/04 2240	tds
	Nickel, Solid*	26		0.24	0.97	1	mg/Kg	135680		11/29/04 2240	tds
	Lead, Solid*	32		0.42	1.5	1	mg/Kg	135680		11/29/04 2240	tds
	Potassium, Solid*	1500		13	49	1	mg/Kg	135680		11/29/04 2240	tds

* In Description = Dry Wgt.

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Job Number: 232093 LABORATORY TEST RESULTS Date: 12/09/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: L10ss-026M-S0 Laboratory Sample ID: 232093-20
 Date Sampled.....: 11/16/2004 Date Received.....: 11/18/2004
 Time Sampled.....: 09:20 Time Received.....: 09:45
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5		U	0.39	1.5	1	mg/Kg	135680		11/29/04 2240	tds
	Silver, Solid*	0.97		U	0.30	0.97	1	mg/Kg	135680		11/29/04 2240	tds
	Sodium, Solid*	250		B	84	290	1	mg/Kg	135680		11/29/04 2240	tds
	Vanadium, Solid*	20			0.20	0.97	1	mg/Kg	135680		11/29/04 2240	tds
	Zinc, Solid*	71			0.39	1.9	1	mg/Kg	135680		11/29/04 2240	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: L10ss-026M-SO
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-20
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	136175		11/22/04 0826	san
	RDX, Solid	0.20	U		0.061	0.20	1.00000	mg/Kg	136175		11/22/04 0826	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	136175		11/22/04 0826	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136175		11/22/04 0826	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	136175		11/22/04 0826	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136175		11/22/04 0826	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136175		11/22/04 0826	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	136175		11/22/04 0826	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136175		11/22/04 0826	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136175		11/22/04 0826	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.092	0.29	1.00000	mg/Kg	136175		11/22/04 0826	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136175		11/22/04 0826	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136175		11/22/04 0826	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	136175		11/22/04 0826	san

* In Description = Dry Wgt.

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Job Number: 232093		LABORATORY TEST RESULTS						Date: 12/09/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACES				ATTN: Eric Ellis					
Customer Sample ID: L10ss-026M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 232093-20 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.7			0.10	0.10	1	%	134910		11/19/04 1430	daj
	% Moisture, Solid	2.3			0.10	0.10	1	%	134910		11/19/04 1430	daj
9014/9010B	Cyanide (Colorimetric)											
	Cyanide, Total, Solid*	0.44	U		0.14	0.44	1	mg/Kg	135199		11/22/04 1509	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232200						Date: 12/09/2004					
CUSTOMER: MKM Engineers, Inc.						PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis		
Customer Sample ID: L10ss-027M-50						Laboratory Sample ID: 232200-5					
Date Sampled.....: 11/19/2004						Date Received.....: 11/23/2004					
Time Sampled.....: 12:00						Time Received.....: 09:40					
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.1		0.10	0.10	1	%	135255		11/23/04 1125	daj
	% Solids, Solid	1.9		0.10	0.10	1	%	135255		11/23/04 1125	daj
	% Moisture, Solid										
7041	Antimony (GFAA) Antimony, Solid*	1.4	U	0.43	1.4	1	mg/Kg	135886		12/01/04 1500	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59	U	0.19	0.59	1	mg/Kg	135793		11/30/04 0950	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.039		0.0020	0.017	1	mg/Kg	136553		12/08/04 1548	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	13000		1.1	14	1	mg/Kg	136189		12/03/04 2137	tds
	Barium, Solid*	88		0.11	0.95	1	mg/Kg	136189		12/03/04 2137	tds
	Arsenic, Solid*	13		0.40	1.4	1	mg/Kg	136189		12/03/04 2137	tds
	Beryllium, Solid*	0.93		0.012	0.38	1	mg/Kg	136189		12/03/04 2137	tds
	Cadmium, Solid*	0.24	U	0.024	0.24	1	mg/Kg	136189		12/03/04 2137	tds
	Calcium, Solid*	2600		0.75	9.5	1	mg/Kg	136189		12/03/04 2137	tds
	Chromium, Solid*	20		0.10	0.95	1	mg/Kg	136189		12/03/04 2137	tds
	Cobalt, Solid*	13		0.058	0.47	1	mg/Kg	136189		12/03/04 2137	tds
	Copper, Solid*	21		0.30	2.8	1	mg/Kg	136189		12/03/04 2137	tds
	Iron, Solid*	25000		3.1	9.5	1	mg/Kg	136189		12/03/04 2137	tds
	Magnesium, Solid*	3800		1.1	9.5	1	mg/Kg	136189		12/03/04 2137	tds
	Manganese, Solid*	340		0.031	0.95	1	mg/Kg	136189		12/03/04 2137	tds
	Nickel, Solid*	29		0.10	0.95	1	mg/Kg	136189		12/03/04 2137	tds
	Lead, Solid*	21		0.20	1.4	1	mg/Kg	136189		12/03/04 2137	tds
	Potassium, Solid*	1800		4.3	47	1	mg/Kg	136189		12/03/04 2137	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											Date: 12/09/2004	
Job Number: 232200				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10ss-027M-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 12:00 Sample Matrix.....: Soil						Laboratory Sample ID: 232200-5 Date Received.....: 11/23/2004 Time Received.....: 09:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4		U	0.47	1.4	1	mg/Kg	136189		12/03/04 2137	tds
	Silver, Solid*	0.95		U	0.10	0.95	1	mg/Kg	136189		12/03/04 2137	tds
	Sodium, Solid*	300			81	280	1	mg/Kg	136189		12/03/04 2137	tds
	Vanadium, Solid*	22			0.085	0.95	1	mg/Kg	136189		12/03/04 2137	tds
	Zinc, Solid*	67			0.75	1.9	1	mg/Kg	136189		12/03/04 2137	tds

* In Description = Dry Wgt.

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Job Number: 232200		LABORATORY TEST RESULTS							Date: 12/16/2004			
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: L10ss-027M-S0				Laboratory Sample ID: 232200-5								
Date Sampled.....: 11/19/2004				Date Received.....: 11/23/2004								
Time Sampled.....: 12:00				Time Received.....: 09:40								
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	1.7	U		0.16	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	beta-BHC, 3541 Solid*	1.7	U		0.15	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	delta-BHC, 3541 Solid*	1.7	U		0.11	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	gamma-BHC (Lindane), 3541 Solid*	1.7	U		0.23	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Heptachlor, 3541 Solid*	1.7	U		0.18	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Aldrin, 3541 Solid*	1.7	U		0.13	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Heptachlor epoxide, 3541 Solid*	1.7	U		0.14	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Endosulfan I, 3541 Solid*	1.7	U		0.27	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Dieldrin, 3541 Solid*	1.7	U		0.34	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	4,4'-DDE, 3541 Solid*	2.0	U		0.66	2.0	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Endrin, 3541 Solid*	1.7	U		0.43	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Endosulfan II, 3541 Solid*	1.7	U		0.28	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	4,4'-DDD, 3541 Solid*	1.7	U		0.36	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Endosulfan sulfate, 3541 Solid*	1.7	U		0.29	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	4,4'-DDT, 3541 Solid*	1.7	U		0.37	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Methoxychlor, 3541 Solid*	8.4	U		2.3	8.4	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	alpha-Chlordane, 3541 Solid*	1.7	U		0.12	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	gamma-Chlordane, 3541 Solid*	1.7	U		0.15	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
	Endrin aldehyde, 3541 Solid*	1.7	U		0.33	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI
Endrin ketone, 3541 Solid*	1.7	U		0.29	1.7	1.00000	ug/Kg	136648		12/05/04 1959	kdI	
Toxaphene, 3541 Solid*	17	U		4.7	17	1.00000	ug/Kg	136648		12/05/04 1959	kdI	
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	1	%	135255		11/23/04 1125	daJ
	% Moisture, Solid	1.9			0.10	0.10	1	%	135255		11/23/04 1125	daJ

* In Description = Dry Wgt.

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Job Number: 232200		LABORATORY TEST RESULTS						Date: 12/09/2004				
CUSTOMER: HGM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-027M-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 12:00 Sample Matrix.....: Soil			Laboratory Sample ID: 232200-5 Date Received.....: 11/23/2004 Time Received.....: 09:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	33	U		9.0	33	1.00000	ug/Kg	136610		12/03/04 2051	bjt
	Aroclor 1221, 3541 Solid*	33	U		4.7	33	1.00000	ug/Kg	136610		12/03/04 2051	bjt
	Aroclor 1232, 3541 Solid*	17	U		4.6	17	1.00000	ug/Kg	136610		12/03/04 2051	bjt
	Aroclor 1242, 3541 Solid*	33	U		5.0	33	1.00000	ug/Kg	136610		12/03/04 2051	bjt
	Aroclor 1248, 3541 Solid*	17	U		3.7	17	1.00000	ug/Kg	136610		12/03/04 2051	bjt
	Aroclor 1254, 3541 Solid*	33	U		4.6	33	1.00000	ug/Kg	136610		12/03/04 2051	bjt
	Aroclor 1260, 3541 Solid*	33	U		13	33	1.00000	ug/Kg	136610		12/03/04 2051	bjt
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	1	%	135255		11/23/04 1125	daj
	% Moisture, Solid	1.9			0.10	0.10	1	%	135255		11/23/04 1125	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232168				Date: 12/02/2004								
CUSTOMER: MCM Engineers, Inc.				PROJECT: USACE RYAMP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10ss-0270-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 11:55 Sample Matrix.....: Soil						Laboratory Sample ID: 232168-12 Date Received.....: 11/20/2004 Time Received.....: 09:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Vinyl chloride, Solid*	6.3	U	*	1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Bromomethane, Solid*	6.3	U		1.6	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Chloroethane, Solid*	6.3	U		1.3	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,1-Dichloroethene, Solid*	6.3	U		1.6	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Carbon disulfide, Solid*	6.3	U		1.5	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Acetone, Solid*	19	U		5.8	19	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Methylene chloride, Solid*	13	U		3.7	13	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	trans-1,2-Dichloroethene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,1-Dichloroethane, Solid*	6.3	U		1.3	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	cis-1,2-Dichloroethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	2-Butanone (MEK), Solid*	19	U		4.9	19	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Bromochloromethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Chloroform, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,1,1-Trichloroethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Carbon tetrachloride, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Benzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,2-Dichloroethane, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Trichloroethene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,2-Dichloropropane, Solid*	6.3	U		1.3	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Bromodichloromethane, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	cis-1,3-Dichloropropene, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13	U		1.3	13	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Toluene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	trans-1,3-Dichloropropene, Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,1,2-Trichloroethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Tetrachloroethene, Solid*	6.3	U		1.5	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	2-Hexanone, Solid*	13	U		1.4	13	1.00000	ug/Kg	135792		11/30/04 2139	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168 Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVRAP 14 ADDS ATTN: EPI&ELTs

Customer Sample ID: L10ss-0270-S0 Laboratory Sample ID: 232168-12
 Date Sampled.....: 11/19/2004 Date Received.....: 11/20/2004
 Time Sampled.....: 11:55 Time Received.....: 09:00
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,2-Dibromoethane (EDB), Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Chlorobenzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Ethylbenzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	m&p-Xylenes, Solid*	13	U		2.9	13	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	o-Xylene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Styrene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Bromoform, Solid*	6.3	U		0.95	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	1,2-Dichloroethene (total), Solid*	13	U		2.7	13	1.00000	ug/Kg	135792		11/30/04 2139	jdj
	Xylenes (total), Solid*	13	U		4.3	13	1.00000	ug/Kg	135792		11/30/04 2139	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Elliott

Customer Sample ID: L10ss-027M-SO
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-5
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	180		H	6.8	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	65	U		8.6	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	160	U		15	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	160	U		14	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Benzyl alcohol, 3541 Low Solid*	2100			71	650	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	65	U		10	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Sol*id	160	U		15	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	65	U		13	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Hexachloroethane, 3541 Low Solid*	160	U		8.3	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	65	U		11	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2-Chlorophenol, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Nitrobenzene, 3541 Low Solid*	32	U		8.3	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	65	U		8.5	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Benzoic acid, 3541 Low Solid*	650	U	*	190	650	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Isophorone, 3541 Low Solid*	160	U		19	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	320	U		16	320	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Hexachlorobutadiene, 3541 Low Solid*	160	U		8.7	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Naphthalene, 3541 Low Solid*	21	J		8.1	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	320	U		15	320	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	4-Chloroaniline, 3541 Low Solid*	650	U		52	650	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	160	U		36	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	320	U		43	320	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	960	U		290	960	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2-Methylnaphthalene, 3541 Low Solid*	19	J		9.6	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2-Nitroaniline, 3541 Low Solid*	160	U		10	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2-Chloronaphthalene, 3541 Low Solid*	160	U		15	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10ss-027M-SO
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-5
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	320	U		33	320	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	32	U		8.9	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2-Nitrophenol, 3541 Low Solid*	320	U		14	320	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	3-Nitroaniline, 3541 Low Solid*	650	U		130	650	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Dimethyl phthalate, 3541 Low Solid*	65	U		8.6	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	650	U	*	100	650	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Acenaphthylene, 3541 Low Solid*	32	U		8.0	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	32	U		10	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Acenaphthene, 3541 Low Solid*	32	U		8.0	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Dibenzofuran, 3541 Low Solid*	18	J		8.5	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	4-Nitrophenol, 3541 Low Solid*	650	U		200	650	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Fluorene, 3541 Low Solid*	12	J		8.7	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	4-Nitroaniline, 3541 Low Solid*	650	U		43	650	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	160	U		9.6	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Hexachlorobenzene, 3541 Low Solid*	32	U		9.2	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Diethyl phthalate, 3541 Low Solid*	65	U		9.2	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	160	U		9.5	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Pentachlorophenol, 3541 Low Solid*	320	U		110	320	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	32	U	*	10	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	650	U	*	160	650	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Phenanthrene, 3541 Low Solid*	56	U		15	48	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Anthracene, 3541 Low Solid*	32	U		11	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Carbazole, 3541 Low Solid*	160	U		11	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	160	U		11	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Fluoranthene, 3541 Low Solid*	88	U		10	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Pyrene, 3541 Low Solid*	59	U		12	48	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	65	U		9.9	65	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Benzo(a)anthracene, 3541 Low Solid*	32	U		9.5	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Chrysene, 3541 Low Solid*	40	U		10	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/08/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Elms

Customer Sample ID: L10ss-027M-S0
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-5
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	160	U		14	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	160	U		31	160	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	320	U		10	320	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	47		H	8.6	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	27	J		9.1	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Benzo(a)pyrene, 3541 Low Solid*	38			9.2	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	22	J		9.8	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	32	U		9.2	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	23	J		11	32	1.00000	ug/Kg	136423		12/01/04 2123	dpk
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	1	%	135255		11/23/04 1125	daj
	% Moisture, Solid	1.9			0.10	0.10	1	%	135255		11/23/04 1125	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232200						Date: 12/08/2004						
CUSTOMER: MKM Engineers, Inc.						PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis			
Customer Sample ID: L10ss-027M-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 12:00 Sample Matrix.....: Soil						Laboratory Sample ID: 232200-5 Date Received.....: 11/23/2004 Time Received.....: 09:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)	0.20	U		0.056	0.20	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	HMX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	RDX, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	1,3-Dinitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	Nitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	2,4,6-TNT, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	Tetryl, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	2,4-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	2-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	4-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136507		12/02/04 0322	bdw
	3-Nitrotoluene, Solid											
8332M	NG/PETN by 8332M (HPLC) Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	136510		12/02/04 0440	bdw

* In Description = Dry Wgt.

STL, CHICAGO

Client Sample ID: L10ss-027M-SO

Trace Level Organic Compounds

Matrix.....: SOLID

Lot-Sample #....: G4K230379-002 Work Order #....: GXP6H1AA
Date Sampled....: 11/19/04 12:00 Date Received..: 11/23/04
Prep Date.....: 12/02/04 Analysis Date...: 12/05/04
Prep Batch #....: 4336497
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	0.25	mg/kg	NONE UV/HPIC per

STL CHICAGO

Client Sample ID: L10ss-027M-50

General Chemistry

Lot-Sample #....: G4K230379-002 Work Order #....: GXP6H Matrix.....: SOLID
Date Sampled....: 11/19/04 Date Received...: 11/23/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrocellulose	1.8 B,J	2.0	mg/kg	MCAWW 353.2	12/02-12/04/04	4336499
	MDL.....		: 0.57			

NOTE(S) :

- RL Reporting Limit
- B Estimated result. Result is less than RL.
- J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Job Number: 232200		LABORATORY TEST RESULTS						Date: 12/17/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP-14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-027M-SD Date Sampled.....: 11/19/2004 Time Sampled.....: 12:00 Sample Matrix.....: Soil			Laboratory Sample ID: 232200-5 Date Received.....: 11/23/2004 Time Received.....: 09:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.1			0.10	0.10	1	%	135255		11/23/04 1125	daj
	% Solids, Solid				0.10	0.10	1	%	135255		11/23/04 1125	daj
	% Moisture, Solid	1.9										
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.41		U	0.13	0.41	1	mg/Kg	137310		11/30/04 1344	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232200						Date: 12/09/2004						
CUSTOMER: HCN Engineers, Inc.				PROJECT: USACE RVAAP 14 NOCS				ATTN: Eric Ellis				
Customer Sample ID: L10ss-027M-DUP Date Sampled.....: 11/19/2004 Time Sampled.....: 12:00 Sample Matrix.....: Soil						Laboratory Sample ID: 232200-6 Date Received.....: 11/23/2004 Time Received.....: 09:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.0			0.10	0.10	1	%	135255		11/23/04 1127	daj
	% Solids, Solid	2.0			0.10	0.10	1	%	135255		11/23/04 1127	daj
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.42	1.3	1	mg/Kg	135886		12/01/04 1513	daj
7841	Thallium (GFAA) Thallium, Solid*	0.23		B	0.18	0.57	1	mg/Kg	135793		11/30/04 1002	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.039			0.0020	0.017	1	mg/Kg	136553		12/08/04 1550	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			1.1	14	1	mg/Kg	136189		12/03/04 2207	tds
	Barium, Solid*	88			0.12	0.96	1	mg/Kg	136189		12/03/04 2207	tds
	Arsenic, Solid*	13			0.40	1.4	1	mg/Kg	136189		12/03/04 2207	tds
	Beryllium, Solid*	0.93			0.013	0.39	1	mg/Kg	136189		12/03/04 2207	tds
	Cadmium, Solid*	0.24		U	0.024	0.24	1	mg/Kg	136189		12/03/04 2207	tds
	Calcium, Solid*	2800			0.76	9.6	1	mg/Kg	136189		12/03/04 2207	tds
	Chromium, Solid*	20			0.11	0.96	1	mg/Kg	136189		12/03/04 2207	tds
	Cobalt, Solid*	13			0.059	0.48	1	mg/Kg	136189		12/03/04 2207	tds
	Copper, Solid*	21			0.31	2.9	1	mg/Kg	136189		12/03/04 2207	tds
	Iron, Solid*	25000			3.1	9.6	1	mg/Kg	136189		12/03/04 2207	tds
	Magnesium, Solid*	3900			1.1	9.6	1	mg/Kg	136189		12/03/04 2207	tds
	Manganese, Solid*	330			0.032	0.96	1	mg/Kg	136189		12/03/04 2207	tds
	Nickel, Solid*	29			0.11	0.96	1	mg/Kg	136189		12/03/04 2207	tds
	Lead, Solid*	21			0.20	1.4	1	mg/Kg	136189		12/03/04 2207	tds
	Potassium, Solid*	1900			4.3	48	1	mg/Kg	136189		12/03/04 2207	tds

* In Description = Dry Wgt.

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Job Number: 232200		LABORATORY TEST RESULTS					Date: 12/09/2004					
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs					ATTN: Eric Eltje					
Customer Sample ID: L10ss-027M-DUP		Laboratory Sample ID: 232200-6										
Date Sampled: 11/19/2004		Date Received: 11/23/2004										
Time Sampled: 12:00		Time Received: 09:40										
Sample Matrix: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	C	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4	U		0.48	1.4	1	mg/Kg	136189		12/03/04 2207	tds
	Silver, Solid*	0.96	U		0.11	0.96	1	mg/Kg	136189		12/03/04 2207	tds
	Sodium, Solid*	320			82	290	1	mg/Kg	136189		12/03/04 2207	tds
	Vanadium, Solid*	22			0.087	0.96	1	mg/Kg	136189		12/03/04 2207	tds
	Zinc, Solid*	67			0.76	1.9	1	mg/Kg	136189		12/03/04 2207	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: L10ss-027M-DUP
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-6
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis										
	alpha-BHC, 3541 Solid*	1.7	U	0.16	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	beta-BHC, 3541 Solid*	1.7	U	0.15	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	delta-BHC, 3541 Solid*	1.7	U	0.11	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	gamma-BHC (Lindane), 3541 Solid*	1.7	U	0.23	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Heptachlor, 3541 Solid*	1.7	U	0.18	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Aldrin, 3541 Solid*	1.7	U	0.13	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Heptachlor epoxide, 3541 Solid*	1.7	U	0.14	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Endosulfan I, 3541 Solid*	1.7	U	0.27	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Dieldrin, 3541 Solid*	1.7	U	0.34	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	4,4'-DDE, 3541 Solid*	2.0	U	0.64	2.0	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Endrin, 3541 Solid*	1.7	U	0.42	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Endosulfan II, 3541 Solid*	1.7	U	0.28	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	4,4'-DDD, 3541 Solid*	1.7	U	0.36	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Endosulfan sulfate, 3541 Solid*	1.7	U	0.29	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	4,4'-DDT, 3541 Solid*	1.7	U	0.37	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Methoxychlor, 3541 Solid*	8.2	U	2.3	8.2	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	alpha-Chlordane, 3541 Solid*	1.7	U	0.12	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	gamma-Chlordane, 3541 Solid*	1.7	U	0.15	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Endrin aldehyde, 3541 Solid*	1.7	U	0.33	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Endrin ketone, 3541 Solid*	1.7	U	0.29	1.7	1.00000	ug/Kg	136648		12/05/04 2024	kdl
	Toxaphene, 3541 Solid*	16	U	4.5	16	1.00000	ug/Kg	136648		12/05/04 2024	kdl
Method	% Solids Determination										
	% Solids, Solid	98.0		0.10	0.10	1	%	135255		11/23/04 1127	daj
	% Moisture, Solid	2.0		0.10	0.10	1	%	135255		11/23/04 1127	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/09/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-027M-DUP
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-6
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	ML	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis										
	Aroclor 1016, 3541 Solid*	33	U	8.8	33	1.00000	ug/Kg	136610		12/03/04 2126	bjt
	Aroclor 1221, 3541 Solid*	33	U	4.5	33	1.00000	ug/Kg	136610		12/03/04 2126	bjt
	Aroclor 1232, 3541 Solid*	16	U	4.4	16	1.00000	ug/Kg	136610		12/03/04 2126	bjt
	Aroclor 1242, 3541 Solid*	33	U	4.8	33	1.00000	ug/Kg	136610		12/03/04 2126	bjt
	Aroclor 1248, 3541 Solid*	16	U	3.7	16	1.00000	ug/Kg	136610		12/03/04 2126	bjt
	Aroclor 1254, 3541 Solid*	33	U	4.4	33	1.00000	ug/Kg	136610		12/03/04 2126	bjt
	Aroclor 1260, 3541 Solid*	33	U	13	33	1.00000	ug/Kg	136610		12/03/04 2126	bjt
Method	% Solids Determination										
	% Solids, Solid	98.0		0.10	0.10	1	%	135255		11/23/04 1127	daj
	% Moisture, Solid	2.0		0.10	0.10	1	%	135255		11/23/04 1127	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200 Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 ADCS ATTN: Eric Ellis

Customer Sample ID: L10ss-027M-DUP
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-6
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	180			7.0	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	66	U		8.8	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	160	U		15	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	160	U		14	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Benzyl alcohol, 3541 Low Solid*	1900			73	660	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	66	U		10	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	160	U		16	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	66	U		13	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Hexachloroethane, 3541 Low Solid*	160	U		8.5	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	66	U		12	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2-Chlorophenol, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Nitrobenzene, 3541 Low Solid*	32	U		8.5	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	66	U		8.7	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Benzoic acid, 3541 Low Solid*	660	U	*	190	660	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Isophorone, 3541 Low Solid*	160	U		19	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	320	U		16	320	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Hexachlorobutadiene, 3541 Low Solid*	160	U		8.9	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Naphthalene, 3541 Low Solid*	19	J		8.3	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	320	U		15	320	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	4-Chloroaniline, 3541 Low Solid*	660	U		53	660	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	160	U		37	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	320	U		44	320	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	980	U		300	980	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2-Methylnaphthalene, 3541 Low Solid*	18	J		9.8	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2-Nitroaniline, 3541 Low Solid*	160	U		11	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2-Chloronaphthalene, 3541 Low Solid*	160	U		15	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-027N-DUP
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-6
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	320	U		34	320	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	32	U		9.1	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2-Nitrophenol, 3541 Low Solid*	320	U		14	320	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	3-Nitroaniline, 3541 Low Solid*	660	U		140	660	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Dimethyl phthalate, 3541 Low Solid*	66	U		8.8	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	660	U	*	100	660	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Acenaphthylene, 3541 Low Solid*	32	U		8.2	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	32	U		10	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Acenaphthene, 3541 Low Solid*	32	U		8.2	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Dibenzofuran, 3541 Low Solid*	15	J		8.7	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	4-Nitrophenol, 3541 Low Solid*	660	U		210	660	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Fluorene, 3541 Low Solid*	10	J		8.9	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	4-Nitroaniline, 3541 Low Solid*	660	U		44	660	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	160	U		9.8	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Hexachlorobenzene, 3541 Low Solid*	32	U		9.4	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Diethyl phthalate, 3541 Low Solid*	66	U		9.4	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	160	U		9.7	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Pentachlorophenol, 3541 Low Solid*	320	U		110	320	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	32	U	*	10	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	660	U	*	170	660	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Phenanthrene, 3541 Low Solid*	47	J		15	49	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Anthracene, 3541 Low Solid*	32	U		11	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Carbazole, 3541 Low Solid*	160	U		12	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	160	U		11	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Fluoranthene, 3541 Low Solid*	77	U		11	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Pyrene, 3541 Low Solid*	56	U		12	49	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	66	U		10	66	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Benzo(a)anthracene, 3541 Low Solid*	29	J		9.7	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Chrysene, 3541 Low Solid*	37	U		10	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-027M-DUP
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-6
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	U	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	160	U		14	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	160	U		32	160	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	320	U		10	320	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	44		H	8.8	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	28	J		9.3	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Benzo(a)pyrene, 3541 Low Solid*	36			9.4	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	21	J		10	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	32	U		9.4	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	22	J		11	32	1.00000	ug/Kg	136423		12/01/04 2150	dpk
Method	% Solids Determination											
	% Solids, Solid	98.0			0.10	0.10	1	%	135255		11/23/04 1127	daj
	% Moisture, Solid	2.0			0.10	0.10	1	%	135255		11/23/04 1127	daj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS											
Job Number: 232200								Date: 12/08/2004			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ACES				ATTN: Eric Ellis			
Customer Sample ID: L10ss-027M-DUP Date Sampled.....: 11/19/2004 Time Sampled.....: 12:00 Sample Matrix.....: Soil				Laboratory Sample ID: 232200-6 Date Received.....: 11/23/2004 Time Received.....: 09:40							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMX, Solid	0.20	U	0.056	0.20	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	RDX, Solid	0.20	U	0.062	0.20	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U	0.032	0.099	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	1,3-Dinitrobenzene, Solid	0.099	U	0.023	0.099	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	Nitrobenzene, Solid	0.099	U	0.021	0.099	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	2,4,6-TNT, Solid	0.099	U	0.023	0.099	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	Tetryl, Solid	0.39	U	0.12	0.39	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	2,4-Dinitrotoluene, Solid	0.099	U	0.025	0.099	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	2,6-Dinitrotoluene, Solid	0.20	U	0.048	0.20	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U	0.045	0.20	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U	0.093	0.30	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	2-Nitrotoluene, Solid	0.20	U	0.047	0.20	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	4-Nitrotoluene, Solid	0.20	U	0.050	0.20	1.00000	mg/Kg	136507		12/02/04 0354	bdw
	3-Nitrotoluene, Solid	0.20	U	0.053	0.20	1.00000	mg/Kg	136507		12/02/04 0354	bdw
8332M	NG/PETN by 8332M (HPLC)										
Nitroglycerine, Solid	0.50	U	0.12	0.50	1.00000	mg/Kg	136510		12/02/04 0516	bdw	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L10ss-027M-DUP

Trace Level Organic Compounds

Lot-Sample #....: G4K230379-003 Work Order #....: GXP6J1AA Matrix.....: SOLID
Date Sampled....: 11/19/04 12:00 Date Received...: 11/23/04
Prep Date.....: 12/02/04 Analysis Date...: 12/05/04
Prep Batch #....: 4336497
Dilution Factor: 1 Initial wgt/Vol: 2 g Final wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	0.25	mg/kg	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: I10ss-027M-DUP

General Chemistry

Lot-Sample #...: G4K230379-003 Work Order #...: GXP6J Matrix.....: SOLID
Date Sampled...: 11/19/04 Date Received...: 11/23/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrocellulose	1.2 B,J	2.0	mg/kg	MCAWM	12/02-12/04/04	4336499
	MDL.....		0.57			

NOTE(S) :

- RL Reporting Limit
- B Estimated result. Result is less than RL.
- J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-027M-DUP
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-6
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.0			0.10	0.10	1	%	135255		11/23/04 1127	daj
	% Solids, Solid	2.0			0.10	0.10	1	%	135255		11/23/04 1127	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.47		U	0.15	0.47	1	mg/Kg	137310		11/30/04 1344	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/09/2004

CUSTOMER: NKN Engineers, Inc.

PROJECT: USAGE RYARP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-028M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-11
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.0			0.10	0.10	1	%	135255		11/23/04 1138	daj
	% Solids, Solid	2.0			0.10	0.10	1	%	135255		11/23/04 1138	daj
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	2.0			0.42	1.3	1	mg/Kg	135886		12/01/04 1651	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58		U	0.18	0.58	1	mg/Kg	135793		11/30/04 1119	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.047			0.0020	0.017	1	mg/Kg	136553		12/08/04 1612	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			1.1	15	1	mg/Kg	136189		12/03/04 2238	tds
	Barium, Solid*	46			0.12	0.98	1	mg/Kg	136189		12/03/04 2238	tds
	Arsenic, Solid*	16			0.41	1.5	1	mg/Kg	136189		12/03/04 2238	tds
	Beryllium, Solid*	0.69			0.013	0.39	1	mg/Kg	136189		12/03/04 2238	tds
	Cadmium, Solid*	0.25		U	0.025	0.25	1	mg/Kg	136189		12/03/04 2238	tds
	Calcium, Solid*	970			0.78	9.8	1	mg/Kg	136189		12/03/04 2238	tds
	Chromium, Solid*	19			0.11	0.98	1	mg/Kg	136189		12/03/04 2238	tds
	Cobalt, Solid*	8.9			0.060	0.49	1	mg/Kg	136189		12/03/04 2238	tds
	Copper, Solid*	23			0.31	2.9	1	mg/Kg	136189		12/03/04 2238	tds
	Iron, Solid*	28000			3.2	9.8	1	mg/Kg	136189		12/03/04 2238	tds
	Magnesium, Solid*	3200			1.1	9.8	1	mg/Kg	136189		12/03/04 2238	tds
	Manganese, Solid*	250			0.032	0.98	1	mg/Kg	136189		12/03/04 2238	tds
	Nickel, Solid*	21			0.11	0.98	1	mg/Kg	136189		12/03/04 2238	tds
	Lead, Solid*	23			0.21	1.5	1	mg/Kg	136189		12/03/04 2238	tds
	Potassium, Solid*	1400			4.4	49	1	mg/Kg	136189		12/03/04 2238	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232200						Date: 12/09/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: L10ss-028M-S0 Date Sampled.....: 11/18/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil						Laboratory Sample ID: 232200-11 Date Received.....: 11/23/2004 Time Received.....: 09:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.49	1.5	1	mg/Kg	136189		12/03/04 2238	tds
	Silver, Solid*	0.98	U		0.11	0.98	1	mg/Kg	136189		12/03/04 2238	tds
	Sodium, Solid*	250	B		84	290	1	mg/Kg	136189		12/03/04 2238	tds
	Vanadium, Solid*	23			0.088	0.98	1	mg/Kg	136189		12/03/04 2238	tds
	Zinc, Solid*	62			0.78	2.0	1	mg/Kg	136189		12/03/04 2238	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200 Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AGCS ATTN: Eric Ellis

Customer Sample ID: L10ss-028M-SO
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-11
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMX, Solid	0.20	U	0.056	0.20	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	RDX, Solid	0.20	U	0.063	0.20	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	1,3,5-Trinitrobenzene, Solid	0.10	U	0.033	0.10	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	1,3-Dinitrobenzene, Solid	0.10	U	0.024	0.10	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	Nitrobenzene, Solid	0.10	U	0.021	0.10	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	2,4,6-TNT, Solid	0.10	U	0.024	0.10	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	Tetryl, Solid	0.40	U	0.12	0.40	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	2,4-Dinitrotoluene, Solid	0.10	U	0.026	0.10	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	2,6-Dinitrotoluene, Solid	0.20	U	0.049	0.20	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U	0.046	0.20	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U	0.094	0.30	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	2-Nitrotoluene, Solid	0.20	U	0.048	0.20	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	4-Nitrotoluene, Solid	0.20	U	0.050	0.20	1.00000	mg/Kg	136507		12/02/04 0814	bdw
	3-Nitrotoluene, Solid	0.20	U	0.053	0.20	1.00000	mg/Kg	136507		12/02/04 0814	bdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 232200				Date: 12/17/2004								
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: L10ss-028M-S0 Date Sampled.....: 11/18/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil						Laboratory Sample ID: 232200-11 Date Received.....: 11/23/2004 Time Received.....: 09:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.0			0.10	0.10	1	%	135255		11/23/04 1138	daj
	% Solids, Solid				0.10	0.10	1	%	135255		11/23/04 1138	daj
	% Moisture, Solid	2.0										
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.67		U	0.21	0.67	1	mg/Kg	137310		11/30/04 1345	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-029M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-8
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	98.0		0.10	0.10	1	%	135000		11/21/04 1325	clb
	% Moisture, Solid	2.0		0.10	0.10	1	%	135000		11/21/04 1325	clb
7041	Antimony (GFAA) Antimony, Solid*	0.53	B	0.41	1.3	1	mg/Kg	135375		11/23/04 1241	daj
7841	Thallium (GFAA) Thallium, Solid*	0.56	U	0.18	0.56	1	mg/Kg	135426		11/23/04 2348	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033		0.0020	0.017	1	mg/Kg	135872		11/30/04 1603	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	12000		2.3	14	1	mg/Kg	135750		11/30/04 1749	tds
	Barium, Solid*	48		0.15	0.95	1	mg/Kg	135750		11/30/04 1749	tds
	Arsenic, Solid*	15		0.49	1.4	1	mg/Kg	135750		11/30/04 1749	tds
	Beryllium, Solid*	0.68		0.042	0.38	1	mg/Kg	135750		11/30/04 1749	tds
	Cadmium, Solid*	0.24	U	0.076	0.24	1	mg/Kg	135750		11/30/04 1749	tds
	Calcium, Solid*	1300		3.0	9.5	1	mg/Kg	135750		11/30/04 1749	tds
	Chromium, Solid*	18		0.21	0.95	1	mg/Kg	135750		11/30/04 1749	tds
	Cobalt, Solid*	8.0		0.13	0.48	1	mg/Kg	135750		11/30/04 1749	tds
	Copper, Solid*	19		0.86	2.9	1	mg/Kg	135750		11/30/04 1749	tds
	Iron, Solid*	25000		2.9	9.5	1	mg/Kg	135750		11/30/04 1749	tds
	Magnesium, Solid*	2600		1.6	9.5	1	mg/Kg	135750		11/30/04 1749	tds
	Manganese, Solid*	250		0.12	0.95	1	mg/Kg	135750		11/30/04 1749	tds
	Nickel, Solid*	19		0.24	0.95	1	mg/Kg	135750		11/30/04 1749	tds
Lead, Solid*	26		0.41	1.4	1	mg/Kg	135750		11/30/04 1749	tds	
Potassium, Solid*	1000		13	48	1	mg/Kg	135750		11/30/04 1749	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-029M-SO
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-8
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.62	B	0.38	1.4	1	mg/Kg	135750		11/30/04 1749	tds
	Silver, Solid*	0.95	U	0.30	0.95	1	mg/Kg	135750		11/30/04 1749	tds
	Sodium, Solid*	290		83	290	1	mg/Kg	135750		11/30/04 1749	tds
	Vanadium, Solid*	21		0.20	0.95	1	mg/Kg	135750		11/30/04 1749	tds
	Zinc, Solid*	61		0.38	1.9	1	mg/Kg	135750		11/30/04 1749	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-029M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-8
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	135964		11/29/04 2219	san
	RDX, Solid	0.20	U		0.061	0.20	1.00000	mg/Kg	135964		11/29/04 2219	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	135964		11/29/04 2219	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	135964		11/29/04 2219	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	135964		11/29/04 2219	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	135964		11/29/04 2219	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135964		11/29/04 2219	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	135964		11/29/04 2219	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 2219	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 2219	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.092	0.29	1.00000	mg/Kg	135964		11/29/04 2219	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135964		11/29/04 2219	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135964		11/29/04 2219	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	135964		11/29/04 2219	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/14/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-029M-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-8
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.0		0.10	0.10	1	%	135000		11/21/04 1325	clb
	% Solids, Solid	2.0		0.10	0.10	1	%	135000		11/21/04 1325	clb
	% Moisture, Solid										
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.49	U	0.15	0.49	1	mg/Kg	135199		11/22/04 1517	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/06/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP TA AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-030M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-19
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.5			0.10	0.10	1	%	134910		11/19/04 1426	daj
	% Moisture, Solid	2.5			0.10	0.10	1	%	134910		11/19/04 1426	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.42	1.4	1	mg/Kg	135109		11/21/04 1653	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58		U	0.18	0.58	1	mg/Kg	135107		11/22/04 0233	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.031			0.0020	0.017	1	mg/Kg	135872		11/30/04 1522	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.4	15	1	mg/Kg	135680		11/29/04 2209	tds
	Barium, Solid*	56			0.16	1.0	1	mg/Kg	135680		11/29/04 2209	tds
	Arsenic, Solid*	14			0.51	1.5	1	mg/Kg	135680		11/29/04 2209	tds
	Beryllium, Solid*	0.68			0.044	0.40	1	mg/Kg	135680		11/29/04 2209	tds
	Cadmium, Solid*	0.25		U	0.080	0.25	1	mg/Kg	135680		11/29/04 2209	tds
	Calcium, Solid*	1800			3.1	10	1	mg/Kg	135680		11/29/04 2209	tds
	Chromium, Solid*	20			0.22	1.0	1	mg/Kg	135680		11/29/04 2209	tds
	Cobalt, Solid*	8.3			0.14	0.50	1	mg/Kg	135680		11/29/04 2209	tds
	Copper, Solid*	28			0.90	3.0	1	mg/Kg	135680		11/29/04 2209	tds
	Iron, Solid*	24000			3.0	10	1	mg/Kg	135680		11/29/04 2209	tds
	Magnesium, Solid*	2500			1.7	10	1	mg/Kg	135680		11/29/04 2209	tds
	Manganese, Solid*	340			0.13	1.0	1	mg/Kg	135680		11/29/04 2209	tds
	Nickel, Solid*	20			0.25	1.0	1	mg/Kg	135680		11/29/04 2209	tds
	Lead, Solid*	25			0.43	1.5	1	mg/Kg	135680		11/29/04 2209	tds
	Potassium, Solid*	1000			14	50	1	mg/Kg	135680		11/29/04 2209	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-030M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-19
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.55	B		0.40	1.5	1	mg/Kg	135680		11/29/04 2209	tds
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	135680		11/29/04 2209	tds
	Sodium, Solid*	240	B		87	300	1	mg/Kg	135680		11/29/04 2209	tds
	Vanadium, Solid*	21			0.21	1.0	1	mg/Kg	135680		11/29/04 2209	tds
	Zinc, Solid*	65			0.40	2.0	1	mg/Kg	135680		11/29/04 2209	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093 Date: 12/06/2004

CUSTOMER: NKM Engineers, Inc. PROJECT: USACE RVAAP 14 AGCS ATTN: Eric Ellis

Customer Sample ID: L10ss-030M-SD
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-19
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136175		11/22/04 0544	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136175		11/22/04 0544	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	136175		11/22/04 0544	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136175		11/22/04 0544	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136175		11/22/04 0544	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136175		11/22/04 0544	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136175		11/22/04 0544	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136175		11/22/04 0544	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136175		11/22/04 0544	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136175		11/22/04 0544	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136175		11/22/04 0544	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136175		11/22/04 0544	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136175		11/22/04 0544	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136175		11/22/04 0544	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232093

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-030M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-19
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.5			0.10	0.10	1	%	134910		11/19/04 1426	daj
	% Solids, Solid	2.5			0.10	0.10	1	%	134910		11/19/04 1426	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.22		B	0.21	0.65	1	mg/Kg	135325		11/23/04 1553	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Eltis

Customer Sample ID: L10ss-03DM-QA
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 10:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-11
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.8			0.10	0.10	1	%	135000		11/21/04 1334	clb
	% Solids, Solid	2.2			0.10	0.10	1	%	135000		11/21/04 1334	clb
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	0.52		B	0.43	1.4	1	mg/Kg	135375		11/23/04 1330	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58		U	0.18	0.58	1	mg/Kg	135426		11/24/04 0050	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.025			0.0020	0.017	1	mg/Kg	135872		11/30/04 1610	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			2.4	15	1	mg/Kg	135750		11/30/04 1808	tds
	Barium, Solid*	53			0.16	0.99	1	mg/Kg	135750		11/30/04 1808	tds
	Arsenic, Solid*	16			0.50	1.5	1	mg/Kg	135750		11/30/04 1808	tds
	Beryllium, Solid*	0.65			0.044	0.40	1	mg/Kg	135750		11/30/04 1808	tds
	Cadmium, Solid*	0.25		U	0.079	0.25	1	mg/Kg	135750		11/30/04 1808	tds
	Calcium, Solid*	1900			3.1	9.9	1	mg/Kg	135750		11/30/04 1808	tds
	Chromium, Solid*	18			0.22	0.99	1	mg/Kg	135750		11/30/04 1808	tds
	Cobalt, Solid*	8.7			0.14	0.49	1	mg/Kg	135750		11/30/04 1808	tds
	Copper, Solid*	18			0.89	3.0	1	mg/Kg	135750		11/30/04 1808	tds
	Iron, Solid*	24000			3.0	9.9	1	mg/Kg	135750		11/30/04 1808	tds
	Magnesium, Solid*	2400			1.7	9.9	1	mg/Kg	135750		11/30/04 1808	tds
	Manganese, Solid*	380			0.13	0.99	1	mg/Kg	135750		11/30/04 1808	tds
	Nickel, Solid*	19			0.25	0.99	1	mg/Kg	135750		11/30/04 1808	tds
	Lead, Solid*	24			0.43	1.5	1	mg/Kg	135750		11/30/04 1808	tds
Potassium, Solid*	1100			14	49	1	mg/Kg	135750		11/30/04 1808	tds	

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADES				ATTN: Eric Ellis					
Customer Sample ID: L10ss-030M-QA Date Sampled.....: 11/16/2004 Time Sampled.....: 10:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-11 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.40	1.5	1	mg/Kg	135750		11/30/04 1808	tds
	Silver, Solid*	0.99	U		0.31	0.99	1	mg/Kg	135750		11/30/04 1808	tds
	Sodium, Solid*	290	B		86	300	1	mg/Kg	135750		11/30/04 1808	tds
	Vanadium, Solid*	19			0.21	0.99	1	mg/Kg	135750		11/30/04 1808	tds
	Zinc, Solid*	65			0.40	2.0	1	mg/Kg	135750		11/30/04 1808	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-D3DM-QA
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 10:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-11
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMx, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 2356	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135964		11/29/04 2356	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135964		11/29/04 2356	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135964		11/29/04 2356	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135964		11/29/04 2356	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135964		11/29/04 2356	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135964		11/29/04 2356	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135964		11/29/04 2356	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135964		11/29/04 2356	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	135964		11/29/04 2356	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135964		11/29/04 2356	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 2356	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 2356	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 2356	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ROES

ATTN: Eric Ellis

Customer Sample ID: L10ss-030M-QA
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 10:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-11
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.8			0.10	0.10	1	%	135000		11/21/04 1334	clb
	% Moisture, Solid	2.2			0.10	0.10	1	%	135000		11/21/04 1334	clb
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.46		U	0.14	0.46	1	mg/Kg	135-199		11/22/04 1518	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-031M-5D
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 14:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-2
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.1			0.10	0.10	1	%	134902		11/19/04 1318	daj
	% Moisture, Solid	9.9			0.10	0.10	1	%	134902		11/19/04 1318	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	135446		11/24/04 1121	daj
7841	Thallium (GFAA) Thallium, Solid*	0.22		B	0.20	0.64	1	mg/Kg	135426		11/24/04 1006	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.055			0.0048	0.018	1	mg/Kg	135610		11/24/04 1441	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.4	15	1	mg/Kg	135366		11/23/04 1817	tds
	Barium, Solid*	57			0.16	1.0	1	mg/Kg	135366		11/23/04 1817	tds
	Arsenic, Solid*	12			0.51	1.5	1	mg/Kg	135366		11/23/04 1817	tds
	Beryllium, Solid*	0.71			0.044	0.40	1	mg/Kg	135366		11/23/04 1817	tds
	Cadmium, Solid*	0.13		B	0.080	0.25	1	mg/Kg	135366		11/23/04 1817	tds
	Calcium, Solid*	1800			3.1	10	1	mg/Kg	135366		11/23/04 1817	tds
	Chromium, Solid*	19			0.22	1.0	1	mg/Kg	135366		11/23/04 1817	tds
	Cobalt, Solid*	7.6			0.14	0.50	1	mg/Kg	135366		11/23/04 1817	tds
	Copper, Solid*	15			0.90	3.0	1	mg/Kg	135366		11/23/04 1817	tds
	Iron, Solid*	22000			3.0	10	1	mg/Kg	135366		11/23/04 1817	tds
	Magnesium, Solid*	2400			1.7	10	1	mg/Kg	135366		11/23/04 1817	tds
	Manganese, Solid*	390			0.13	1.0	1	mg/Kg	135366		11/23/04 1817	tds
	Nickel, Solid*	17			0.25	1.0	1	mg/Kg	135366		11/23/04 1817	tds
	Lead, Solid*	33			0.43	1.5	1	mg/Kg	135366		11/23/04 1817	tds
	Potassium, Solid*	1200			14	50	1	mg/Kg	135366		11/23/04 1817	tds

* In Description = Dry Wgt.

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Job Number: 232095		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-031M-SO Date Sampled.....: 11/16/2004 Time Sampled.....: 14:40 Sample Matrix.....: Soil			Laboratory Sample ID: 232095-2 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.91	B		0.40	1.5	1	mg/Kg	135366		11/23/04 1817	tds
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	135366		11/23/04 1817	tds
	Sodium, Solid*	320			87	300	1	mg/Kg	135366		11/23/04 1817	tds
	Vanadium, Solid*	24			0.21	1.0	1	mg/Kg	135366		11/23/04 1817	tds
	Zinc, Solid*	72			0.40	2.0	1	mg/Kg	135366		11/23/04 1817	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232095

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYARP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: Lf0ss-031M-S0
 Date Sampled.....: 11/16/2004
 Time Sampled.....: 14:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 232095-2
 Date Received.....: 11/18/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136191		11/22/04 1536	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136191		11/22/04 1536	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136191		11/22/04 1536	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	136191		11/22/04 1536	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136191		11/22/04 1536	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136191		11/22/04 1536	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136191		11/22/04 1536	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136191		11/22/04 1536	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136191		11/22/04 1536	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136191		11/22/04 1536	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136191		11/22/04 1536	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136191		11/22/04 1536	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136191		11/22/04 1536	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136191		11/22/04 1536	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232095								Date: 12/10/2004			
CUSTOMER: MKN Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: L10ss-031M-S0 Date Sampled.....: 11/16/2004 Time Sampled.....: 14:40 Sample Matrix.....: Soil						Laboratory Sample ID: 232095-2 Date Received.....: 11/18/2004 Time Received.....: 09:45					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	90.1		0.10	0.10	1	%	134902		11/19/04 1318	daj
	% Moisture, Solid	9.9		0.10	0.10	1	%	134902		11/19/04 1318	daj
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.59	U	0.18	0.59	1	mg/Kg	135199		11/22/04 1511	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/09/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: L10ss-032M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-9
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	1	%	135255		11/23/04 1134	daj
	% Moisture, Solid	1.9			0.10	0.10	1	%	135255		11/23/04 1134	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.42	1.4	1	mg/Kg	135886		12/01/04 1627	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58		U	0.18	0.58	1	mg/Kg	135793		11/30/04 1054	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.044			0.0020	0.017	1	mg/Kg	136553		12/08/04 1607	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			1.1	15	1	mg/Kg	136189		12/03/04 2226	tds
	Barium, Solid*	56			0.12	0.97	1	mg/Kg	136189		12/03/04 2226	tds
	Arsenic, Solid*	12			0.41	1.5	1	mg/Kg	136189		12/03/04 2226	tds
	Beryllium, Solid*	0.64			0.013	0.39	1	mg/Kg	136189		12/03/04 2226	tds
	Cadmium, Solid*	0.067		B	0.024	0.24	1	mg/Kg	136189		12/03/04 2226	tds
	Calcium, Solid*	1300			0.76	9.7	1	mg/Kg	136189		12/03/04 2226	tds
	Chromium, Solid*	18			0.11	0.97	1	mg/Kg	136189		12/03/04 2226	tds
	Cobalt, Solid*	8.3			0.059	0.48	1	mg/Kg	136189		12/03/04 2226	tds
	Copper, Solid*	18			0.31	2.9	1	mg/Kg	136189		12/03/04 2226	tds
	Iron, Solid*	23000			3.2	9.7	1	mg/Kg	136189		12/03/04 2226	tds
	Magnesium, Solid*	2400			1.1	9.7	1	mg/Kg	136189		12/03/04 2226	tds
	Manganese, Solid*	510			0.032	0.97	1	mg/Kg	136189		12/03/04 2226	tds
	Nickel, Solid*	16			0.11	0.97	1	mg/Kg	136189		12/03/04 2226	tds
	Lead, Solid*	25			0.20	1.5	1	mg/Kg	136189		12/03/04 2226	tds
	Potassium, Solid*	1200			4.4	48	1	mg/Kg	136189		12/03/04 2226	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/09/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USAGE RVRAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-032M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-9
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.54	B		0.48	1.5	1	mg/Kg	136189		12/03/04 2226	tds
	Silver, Solid*	0.97	U		0.11	0.97	1	mg/Kg	136189		12/03/04 2226	tds
	Sodium, Solid*	250	B		83	290	1	mg/Kg	136189		12/03/04 2226	tds
	Vanadium, Solid*	24			0.087	0.97	1	mg/Kg	136189		12/03/04 2226	tds
	Zinc, Solid*	99			0.76	1.9	1	mg/Kg	136189		12/03/04 2226	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/08/2004

CUSTOMER: HKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellits

Customer Sample ID: L10ss-032M-SD
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-9
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.19	U		0.055	0.19	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	RDX, Solid	0.19	U		0.061	0.19	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	1,3,5-Trinitrobenzene, Solid	0.097	U		0.032	0.097	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	1,3-Dinitrobenzene, Solid	0.097	U		0.023	0.097	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	Nitrobenzene, Solid	0.097	U		0.020	0.097	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	2,4,6-TNT, Solid	0.097	U		0.023	0.097	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	2,4-Dinitrotoluene, Solid	0.097	U		0.025	0.097	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	2,6-Dinitrotoluene, Solid	0.19	U		0.047	0.19	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.19	U		0.044	0.19	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.091	0.29	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	2-Nitrotoluene, Solid	0.19	U		0.046	0.19	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	4-Nitrotoluene, Solid	0.19	U		0.049	0.19	1.00000	mg/Kg	136507		12/02/04 0532	bdw
	3-Nitrotoluene, Solid	0.19	U		0.051	0.19	1.00000	mg/Kg	136507		12/02/04 0532	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: L10ss-032M-SO
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-9
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.1		0.10	0.10	1	%	135255		11/23/04 1134	daj
	% Solids, Solid	1.9		0.10	0.10	1	%	135255		11/23/04 1134	daj
	% Moisture, Solid										
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.57	u	0.18	0.57	1	mg/Kg	137310		11/30/04 1345	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/10/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-033M-50
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232169-1
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	87.5		0.10	0.10	1	%	135125		11/22/04 1348	daj
	% Moisture, Solid	12.5		0.10	0.10	1	%	135125		11/22/04 1348	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5	U	0.46	1.5	1	mg/Kg	135375		11/23/04 2223	daj
7841	Thallium (GFAA) Thallium, Solid*	0.23	B	0.20	0.63	1	mg/Kg	135426		11/24/04 0147	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.075		0.0022	0.019	1	mg/Kg	135976		12/02/04 1353	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	12000		2.6	16	1	mg/Kg	135758		12/01/04 0212	tds
	Barium, Solid*	120		0.17	1.1	1	mg/Kg	135758		12/01/04 0212	tds
	Arsenic, Solid*	8.4		0.55	1.6	1	mg/Kg	135758		12/01/04 0212	tds
	Beryllium, Solid*	0.77		0.048	0.43	1	mg/Kg	135758		12/01/04 0212	tds
	Cadmium, Solid*	0.27	U	0.087	0.27	1	mg/Kg	135758		12/01/04 0212	tds
	Calcium, Solid*	730		3.4	11	1	mg/Kg	135758		12/01/04 0212	tds
	Chromium, Solid*	24		0.24	1.1	1	mg/Kg	135758		12/01/04 0212	tds
	Cobalt, Solid*	11		0.15	0.54	1	mg/Kg	135758		12/01/04 0212	tds
	Copper, Solid*	11		0.98	3.3	1	mg/Kg	135758		12/01/04 0212	tds
	Iron, Solid*	19000		3.3	11	1	mg/Kg	135758		12/01/04 0212	tds
	Magnesium, Solid*	2200		1.8	11	1	mg/Kg	135758		12/01/04 0212	tds
	Manganese, Solid*	1400		0.14	1.1	1	mg/Kg	135758		12/01/04 0212	tds
Nickel, Solid*	20		0.27	1.1	1	mg/Kg	135758		12/01/04 0212	tds	
Lead, Solid*	21		0.47	1.6	1	mg/Kg	135758		12/01/04 0212	tds	
Potassium, Solid*	980		15	54	1	mg/Kg	135758		12/01/04 0212	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/10/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-033M-SO
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232169-1
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.87	B		0.43	1.6	1	mg/Kg	135758		12/01/04 0212	tds
	Silver, Solid*	1.1	U		0.34	1.1	1	mg/Kg	135758		12/01/04 0212	tds
	Sodium, Solid*	280	B		94	330	1	mg/Kg	135758		12/01/04 0212	tds
	Vanadium, Solid*	21			0.23	1.1	1	mg/Kg	135758		12/01/04 0212	tds
	Zinc, Solid*	57			0.43	2.2	1	mg/Kg	135758		12/01/04 0212	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGGS

ATTN: Eric Ellis

Customer Sample ID: L10ss-033M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232169-1
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	1.9	U		0.18	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	beta-BHC, 3541 Solid*	1.9	U		0.17	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	delta-BHC, 3541 Solid*	1.9	U		0.13	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	gamma-BHC (Lindane), 3541 Solid*	1.9	U		0.26	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Heptachlor, 3541 Solid*	1.9	U	*	0.20	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Aldrin, 3541 Solid*	1.9	U		0.15	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Heptachlor epoxide, 3541 Solid*	1.9	U		0.16	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Endosulfan I, 3541 Solid*	1.9	U		0.31	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Dieldrin, 3541 Solid*	1.9	U		0.39	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	4,4'-DDE, 3541 Solid*	2.3	U		0.74	2.3	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Endrin, 3541 Solid*	1.9	U		0.49	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Endosulfan II, 3541 Solid*	1.9	U		0.32	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	4,4'-DDD, 3541 Solid*	1.9	U		0.41	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Endosulfan sulfate, 3541 Solid*	1.9	U		0.33	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	4,4'-DDT, 3541 Solid*	1.9	U		0.42	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Methoxychlor, 3541 Solid*	9.4	U		2.6	9.4	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	alpha-Chlordane, 3541 Solid*	1.9	U		0.14	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	gamma-Chlordane, 3541 Solid*	1.9	U		0.17	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
	Endrin aldehyde, 3541 Solid*	1.9	U		0.38	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl
Endrin ketone, 3541 Solid*	1.9	U		0.33	1.9	1.00000	ug/Kg	136543		11/30/04 0722	kdl	
Toxaphene, 3541 Solid*	19	U		5.2	19	1.00000	ug/Kg	136543		11/30/04 0722	kdl	
Method	% Solids Determination											
	% Solids, Solid	87.5			0.10	0.10	1	%	135125		11/22/04 1348	daj
	% Moisture, Solid	12.5			0.10	0.10	1	%	135125		11/22/04 1348	daj

* In Description = Dry Wgt.

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Job Number: 232169		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE: RVAAP: 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-033W-S0 Date Sampled.....: 11/18/2004 Time Sampled.....: 09:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232169-1 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	38	U		10	38	1.00000	ug/Kg	136118		11/29/04 1947	bjt
	Aroclor 1221, 3541 Solid*	38	U		5.2	38	1.00000	ug/Kg	136118		11/29/04 1947	bjt
	Aroclor 1232, 3541 Solid*	19	U		5.1	19	1.00000	ug/Kg	136118		11/29/04 1947	bjt
	Aroclor 1242, 3541 Solid*	38	U		5.6	38	1.00000	ug/Kg	136118		11/29/04 1947	bjt
	Aroclor 1248, 3541 Solid*	19	U		4.2	19	1.00000	ug/Kg	136118		11/29/04 1947	bjt
	Aroclor 1254, 3541 Solid*	38	U		5.1	38	1.00000	ug/Kg	136118		11/29/04 1947	bjt
	Aroclor 1260, 3541 Solid*	38	U		14	38	1.00000	ug/Kg	136118		11/29/04 1947	bjt
Method	% Solids Determination											
	% Solids, Solid	87.5			0.10	0.10	1	%	135125		11/22/04 1348	daj
	% Moisture, Solid	12.5			0.10	0.10	1	%	135125		11/22/04 1348	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: Z32119

Date: 12/02/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-0330-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: Z32119-9
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics											
	Chloromethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Vinyl chloride, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Bromomethane, Solid*	6.5	U		1.7	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Chloroethane, Solid*	6.5	U		1.3	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,1-Dichloroethene, Solid*	6.5	U		1.7	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Carbon disulfide, Solid*	6.5	U		1.6	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Acetone, Solid*	19	U		6.0	19	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Methylene chloride, Solid*	13	U		3.8	13	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	trans-1,2-Dichloroethene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,1-Dichloroethane, Solid*	6.5	U		1.3	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	cis-1,2-Dichloroethene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	2-Butanone (MEK), Solid*	19	U		5.1	19	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Bromochloromethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Chloroform, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,1,1-Trichloroethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Carbon tetrachloride, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Benzene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,2-Dichloroethane, Solid*	6.5	U		1.2	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Trichloroethene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,2-Dichloropropane, Solid*	6.5	U		1.3	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Bromodichloromethane, Solid*	6.5	U		1.2	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	cis-1,3-Dichloropropene, Solid*	6.5	U		1.2	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13	U		1.3	13	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Toluene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	trans-1,3-Dichloropropene, Solid*	6.5	U		1.0	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,1,2-Trichloroethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Tetrachloroethene, Solid*	6.5	U		1.6	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	2-Hexanone, Solid*	13	U		1.4	13	1.00000	ug/Kg	135678		11/29/04 2331	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-033D-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232119-9
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	6.5	U	1.0	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,2-Dibromoethane (EDB), Solid*	6.5	U	1.1	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Chlorobenzene, Solid*	6.5	U	1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Ethylbenzene, Solid*	6.5	U	1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	m&p-Xylenes, Solid*	13	U	3.0	13	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	o-Xylene, Solid*	6.5	U	1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Styrene, Solid*	6.5	U	1.4	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Bromoform, Solid*	6.5	U	0.97	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.5	U	1.2	6.5	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	1,2-Dichloroethene (total), Solid*	13	U	2.7	13	1.00000	ug/Kg	135678		11/29/04 2331	jdj
	Xylenes (total), Solid*	13	U	4.4	13	1.00000	ug/Kg	135678		11/29/04 2331	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10ss-033M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232169-1
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	190	U		8.0	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	76	U		10	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	190	U		15	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	190	U		17	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	190	U		16	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Benzyl alcohol, 3541 Low Solid*	760	U		83	760	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	76	U		12	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	190	U		18	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	76	U		15	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Hexachloroethane, 3541 Low Solid*	190	U		9.7	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	76	U		13	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2-Chlorophenol, 3541 Low Solid*	190	U		15	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Nitrobenzene, 3541 Low Solid*	37	U		9.7	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	76	U		9.9	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	190	U		15	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Benzoic acid, 3541 Low Solid*	760	U	*	220	760	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Isophorone, 3541 Low Solid*	190	U		22	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	370	U		18	370	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Hexachlorobutadiene, 3541 Low Solid*	190	U		10	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Naphthalene, 3541 Low Solid*	37	U		9.5	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	370	U		18	370	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	4-Chloroaniline, 3541 Low Solid*	760	U		61	760	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	190	U		42	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	370	U		50	370	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1100	U		340	1100	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2-Methylnaphthalene, 3541 Low Solid*	37	U		11	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2-Nitroaniline, 3541 Low Solid*	190	U		12	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2-Chloronaphthalene, 3541 Low Solid*	190	U		18	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RYANP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: L10ss-033M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232169-1
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	370	U		39	370	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	37	U		10	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2-Nitrophenol, 3541 Low Solid*	370	U		17	370	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	3-Nitroaniline, 3541 Low Solid*	760	U		160	760	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Dimethyl phthalate, 3541 Low Solid*	76	U		10	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	760	U	*	120	760	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Acenaphthylene, 3541 Low Solid*	37	U		9.4	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	37	U		12	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Acenaphthene, 3541 Low Solid*	37	U		9.4	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Dibenzofuran, 3541 Low Solid*	76	U		9.9	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	4-Nitrophenol, 3541 Low Solid*	760	U		240	760	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Fluorene, 3541 Low Solid*	37	U		10	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	4-Nitroaniline, 3541 Low Solid*	760	U		51	760	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	190	U		11	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Hexachlorobenzene, 3541 Low Solid*	37	U		11	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Diethyl phthalate, 3541 Low Solid*	76	U		11	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	190	U		11	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Pentachlorophenol, 3541 Low Solid*	370	U		130	370	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	37	U	*	12	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	760	U	*	190	760	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Phenanthrene, 3541 Low Solid*	56	U		17	56	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Anthracene, 3541 Low Solid*	37	U		12	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Carbazole, 3541 Low Solid*	190	U		13	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	190	U		13	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Fluoranthene, 3541 Low Solid*	22	J		12	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Pyrene, 3541 Low Solid*	17	J		14	56	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	76	U		12	76	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Benzo(a)anthracene, 3541 Low Solid*	37	U		11	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Chrysene, 3541 Low Solid*	16	J		12	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232169								Date: 12/08/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE R/VAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: L10ss-033M-SO Date Sampled.....: 11/18/2004 Time Sampled.....: 09:10 Sample Matrix.....: Soil						Laboratory Sample ID: 232169-1 Date Received.....: 11/20/2004 Time Received.....: 09:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	190		U	17	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	190		U	36	190	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	370		U	12	370	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	20		J	10	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	37		U	11	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Benzo(a)pyrene, 3541 Low Solid*	12		J	11	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	37		U	12	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	37		U	11	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	37		U	12	37	1.00000	ug/Kg	136423		12/01/04 2030	dpk
Method	% Solids Determination											
	% Solids, Solid	87.5			0.10	0.10	1	%	135125		11/22/04 1348	daj
	% Moisture, Solid	12.5			0.10	0.10	1	%	135125		11/22/04 1348	daj

* In Description = Dry Wgt.

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Job Number: 232169		LABORATORY TEST RESULTS							Date: 12/03/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-033M-S0 Date Sampled.....: 11/18/2004 Time Sampled.....: 09:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232169-1 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	136083		12/01/04 1546	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136083		12/01/04 1546	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	136083		12/01/04 1546	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136083		12/01/04 1546	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	136083		12/01/04 1546	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136083		12/01/04 1546	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136083		12/01/04 1546	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	136083		12/01/04 1546	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136083		12/01/04 1546	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136083		12/01/04 1546	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	136083		12/01/04 1546	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136083		12/01/04 1546	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136083		12/01/04 1546	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	136083		12/01/04 1546	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	136089		12/02/04 0032	bdw

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: L10ss-033M-SO

Trace Level Organic Compounds

Lot-Sample #...: G4K200229-002 Work Order #...: GXJH01AA Matrix.....: SOLID
Date Sampled...: 11/18/04 09:10 Date Received...: 11/20/04
Prep Date.....: 12/02/04 Analysis Date...: 12/05/04
Prep Batch #...: 4336497
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	0.25	mg/kg	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: I10ss-033M-SO

General Chemistry

Lot-Sample #...: G4K2002229-002
Date Sampled...: 11/18/04

Work Order #...: GXJH0
Date Received...: 11/20/04

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	1.2 B,J	2.0	mg/kg	MCAAW 353.2	12/02-12/04/04	4336499
			MDL.....: 0.57			

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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LABORATORY TEST RESULTS												
Job Number: 232169				Date: 12/14/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10ss-033M-S0 Date Sampled.....: 11/18/2004 Time Sampled.....: 09:10 Sample Matrix.....: Soil						Laboratory Sample ID: 232169-1 Date Received.....: 11/20/2004 Time Received.....: 09:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	87.5			0.10	0.10	1	%	135125		11/22/04 1348	daj
	% Solids, Solid				0.10	0.10	1	%	135125		11/22/04 1348	daj
	% Moisture, Solid	12.5										
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.59		U	0.19	0.59	1	mg/Kg	135199		11/22/04 1518	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: ERIC ELLIS

Customer Sample ID: L10ss-034M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-5
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.3			0.10	0.10	1	%	135000		11/21/04 1317	clb
	% Moisture, Solid	6.7			0.10	0.10	1	%	135000		11/21/04 1317	clb
7041	Antimony (GFAA) Antimony, Solid*	0.60		B	0.46	1.5	1	mg/Kg	135375		11/23/04 1204	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	135426		11/23/04 2311	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.031			0.0021	0.018	1	mg/Kg	135872		11/30/04 1551	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.5	16	1	mg/Kg	135750		11/30/04 1730	tds
	Barium, Solid*	85			0.17	1.0	1	mg/Kg	135750		11/30/04 1730	tds
	Arsenic, Solid*	11			0.53	1.6	1	mg/Kg	135750		11/30/04 1730	tds
	Beryllium, Solid*	0.87			0.046	0.42	1	mg/Kg	135750		11/30/04 1730	tds
	Cadmium, Solid*	0.12		B	0.083	0.26	1	mg/Kg	135750		11/30/04 1730	tds
	Calcium, Solid*	2000			3.2	10	1	mg/Kg	135750		11/30/04 1730	tds
	Chromium, Solid*	24			0.23	1.0	1	mg/Kg	135750		11/30/04 1730	tds
	Cobalt, Solid*	11			0.15	0.52	1	mg/Kg	135750		11/30/04 1730	tds
	Copper, Solid*	21			0.93	3.1	1	mg/Kg	135750		11/30/04 1730	tds
	Iron, Solid*	25000			3.1	10	1	mg/Kg	135750		11/30/04 1730	tds
	Magnesium, Solid*	3700			1.8	10	1	mg/Kg	135750		11/30/04 1730	tds
	Manganese, Solid*	310			0.14	1.0	1	mg/Kg	135750		11/30/04 1730	tds
	Nickel, Solid*	28			0.26	1.0	1	mg/Kg	135750		11/30/04 1730	tds
	Lead, Solid*	15			0.45	1.6	1	mg/Kg	135750		11/30/04 1730	tds
	Potassium, Solid*	1600			14	52	1	mg/Kg	135750		11/30/04 1730	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-034N-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-5
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6	U		0.42	1.6	1	mg/Kg	135750		11/30/04 1730	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	135750		11/30/04 1730	tds
	Sodium, Solid*	350			90	310	1	mg/Kg	135750		11/30/04 1730	tds
	Vanadium, Solid*	22			0.22	1.0	1	mg/Kg	135750		11/30/04 1730	tds
	Zinc, Solid*	79			0.42	2.1	1	mg/Kg	135750		11/30/04 1730	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elits

Customer Sample ID: L10ss-034N-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 232120-5
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20		U	0.056	0.20	1.00000	mg/Kg	135964		11/29/04 1755	san
	RDX, Solid	0.20		U	0.063	0.20	1.00000	mg/Kg	135964		11/29/04 1755	san
	1,3,5-Trinitrobenzene, Solid	0.10		U	0.033	0.10	1.00000	mg/Kg	135964		11/29/04 1755	san
	1,3-Dinitrobenzene, Solid	0.10		U	0.023	0.10	1.00000	mg/Kg	135964		11/29/04 1755	san
	Nitrobenzene, Solid	0.10		U	0.021	0.10	1.00000	mg/Kg	135964		11/29/04 1755	san
	2,4,6-TNT, Solid	0.10		U	0.024	0.10	1.00000	mg/Kg	135964		11/29/04 1755	san
	Tetryl, Solid	0.40		U	0.12	0.40	1.00000	mg/Kg	135964		11/29/04 1755	san
	2,4-Dinitrotoluene, Solid	0.10		U	0.026	0.10	1.00000	mg/Kg	135964		11/29/04 1755	san
	2,6-Dinitrotoluene, Solid	0.20		U	0.049	0.20	1.00000	mg/Kg	135964		11/29/04 1755	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20		U	0.045	0.20	1.00000	mg/Kg	135964		11/29/04 1755	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30		U	0.094	0.30	1.00000	mg/Kg	135964		11/29/04 1755	san
	2-Nitrotoluene, Solid	0.20		U	0.048	0.20	1.00000	mg/Kg	135964		11/29/04 1755	san
	4-Nitrotoluene, Solid	0.20		U	0.050	0.20	1.00000	mg/Kg	135964		11/29/04 1755	san
	3-Nitrotoluene, Solid	0.20		U	0.053	0.20	1.00000	mg/Kg	135964		11/29/04 1755	san

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/14/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis							
Customer Sample ID: L10ss-034M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 14:55 Sample Matrix.....: Soil			Laboratory Sample ID: 232120-5 Date Received.....: 11/19/2004 Time Received.....: 09:15										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	% Solids Determination	93.3			0.10	0.10	1	%	135000		11/21/04 1317	clb	
	% Solids, Solid	6.7			0.10	0.10	1	%	135000		11/21/04 1317	clb	
	% Moisture, Solid												
9014/90108	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.56	U		0.18	0.56	1	mg/Kg	135199		11/22/04 1515	mtb	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/10/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-035M-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 232169-8
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.5			0.10	0.10	1	%	135125		11/22/04 1414	daj
	% Moisture, Solid	6.5			0.10	0.10	1	%	135125		11/22/04 1414	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	135375		11/24/04 0036	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	135426		11/24/04 0412	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.054			0.0021	0.018	1	mg/Kg	135976		12/02/04 1422	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.5	15	1	mg/Kg	135758		12/01/04 0346	tds
	Barium, Solid*	83			0.16	1.0	1	mg/Kg	135758		12/01/04 0346	tds
	Arsenic, Solid*	7.6			0.52	1.5	1	mg/Kg	135758		12/01/04 0346	tds
	Beryllium, Solid*	0.80			0.045	0.41	1	mg/Kg	135758		12/01/04 0346	tds
	Cadmium, Solid*	0.26		U	0.082	0.26	1	mg/Kg	135758		12/01/04 0346	tds
	Calcium, Solid*	290			3.2	10	1	mg/Kg	135758		12/01/04 0346	tds
	Chromium, Solid*	15			0.23	1.0	1	mg/Kg	135758		12/01/04 0346	tds
	Cobalt, Solid*	11			0.14	0.51	1	mg/Kg	135758		12/01/04 0346	tds
	Copper, Solid*	9.1			0.92	3.1	1	mg/Kg	135758		12/01/04 0346	tds
	Iron, Solid*	16000			3.1	10	1	mg/Kg	135758		12/01/04 0346	tds
	Magnesium, Solid*	1800			1.7	10	1	mg/Kg	135758		12/01/04 0346	tds
	Manganese, Solid*	1100			0.13	1.0	1	mg/Kg	135758		12/01/04 0346	tds
	Nickel, Solid*	15			0.26	1.0	1	mg/Kg	135758		12/01/04 0346	tds
Lead, Solid*	21			0.44	1.5	1	mg/Kg	135758		12/01/04 0346	tds	
Potassium, Solid*	680			14	51	1	mg/Kg	135758		12/01/04 0346	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232169 Date: 12/10/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RYANP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: L10ss-035H-S0
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 232169-8
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.84	B		0.41	1.5	1	ng/Kg	135758		12/01/04 0346	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	ng/Kg	135758		12/01/04 0346	tds
	Sodium, Solid*	270	B		89	310	1	ng/Kg	135758		12/01/04 0346	tds
	Vanadium, Solid*	21			0.22	1.0	1	ng/Kg	135758		12/01/04 0346	tds
	Zinc, Solid*	53			0.41	2.0	1	ng/Kg	135758		12/01/04 0346	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/03/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: L10ss-035M-SO
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 232169-8
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMX, Solid	0.20	U	0.056	0.20	1.00000	mg/Kg	136083		12/01/04 2111	san
	RDX, Solid	0.20	U	0.063	0.20	1.00000	mg/Kg	136083		12/01/04 2111	san
	1,3,5-Trinitrobenzene, Solid	0.10	U	0.033	0.10	1.00000	mg/Kg	136083		12/01/04 2111	san
	1,3-Dinitrobenzene, Solid	0.10	U	0.023	0.10	1.00000	mg/Kg	136083		12/01/04 2111	san
	Nitrobenzene, Solid	0.10	U	0.021	0.10	1.00000	mg/Kg	136083		12/01/04 2111	san
	2,4,6-TNT, Solid	0.10	U	0.024	0.10	1.00000	mg/Kg	136083		12/01/04 2111	san
	Tetryl, Solid	0.40	U	0.12	0.40	1.00000	mg/Kg	136083		12/01/04 2111	san
	2,4-Dinitrotoluene, Solid	0.10	U	0.026	0.10	1.00000	mg/Kg	136083		12/01/04 2111	san
	2,6-Dinitrotoluene, Solid	0.20	U	0.049	0.20	1.00000	mg/Kg	136083		12/01/04 2111	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U	0.045	0.20	1.00000	mg/Kg	136083		12/01/04 2111	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U	0.094	0.30	1.00000	mg/Kg	136083		12/01/04 2111	san
	2-Nitrotoluene, Solid	0.20	U	0.048	0.20	1.00000	mg/Kg	136083		12/01/04 2111	san
	4-Nitrotoluene, Solid	0.20	U	0.050	0.20	1.00000	mg/Kg	136083		12/01/04 2111	san
	3-Nitrotoluene, Solid	0.20	U	0.053	0.20	1.00000	mg/Kg	136083		12/01/04 2111	san

* In Description = Dry Wgt.

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Job Number: 232169		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: Lt0ss-035M-SO Date Sampled.....: 11/18/2004 Time Sampled.....: 10:45 Sample Matrix.....: Soil			Laboratory Sample ID: 232169-8 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	93.5			0.10	0.10	1	%	135125		11/22/04 1414	daj
	% Solids, Solid	6.5			0.10	0.10	1	%	135125		11/22/04 1414	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.21		B	0.17	0.53	1	mg/kg	135199		11/22/04 1518	mtb

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Elliotts						
Customer Sample ID: L10ss-036M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 16:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-18 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	% Solids Determination											
	% Solids, Solid	94.2		0.10	0.10	1	%	135002		11/21/04 1542	clb	
	% Moisture, Solid	5.8		0.10	0.10	1	%	135002		11/21/04 1542	clb	
7041	Antimony (GFAA) Antimony, Solid*	1.4	U	0.45	1.4	1	mg/Kg	135886		12/01/04 1144	daj	
7841	Thallium (GFAA) Thallium, Solid*	0.62	U	0.20	0.62	1	mg/Kg	135793		11/30/04 0359	daj	
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.029		0.0021	0.018	1	mg/Kg	135881		12/01/04 1504	gok	
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000		2.4	15	1	mg/Kg	135758		12/01/04 0014	tds	
	Barium, Solid*	77		0.16	0.99	1	mg/Kg	135758		12/01/04 0014	tds	
	Arsenic, Solid*	13		0.51	1.5	1	mg/Kg	135758		12/01/04 0014	tds	
	Beryllium, Solid*	0.75		0.044	0.40	1	mg/Kg	135758		12/01/04 0014	tds	
	Cadmium, Solid*	0.25	U	0.080	0.25	1	mg/Kg	135758		12/01/04 0014	tds	
	Calcium, Solid*	3400		3.1	9.9	1	mg/Kg	135758		12/01/04 0014	tds	
	Chromium, Solid*	23		0.22	0.99	1	mg/Kg	135758		12/01/04 0014	tds	
	Cobalt, Solid*	10		0.14	0.50	1	mg/Kg	135758		12/01/04 0014	tds	
	Copper, Solid*	20		0.89	3.0	1	mg/Kg	135758		12/01/04 0014	tds	
	Iron, Solid*	24000		3.0	9.9	1	mg/Kg	135758		12/01/04 0014	tds	
	Magnesium, Solid*	3200		1.7	9.9	1	mg/Kg	135758		12/01/04 0014	tds	
	Manganese, Solid*	410		0.13	0.99	1	mg/Kg	135758		12/01/04 0014	tds	
	Nickel, Solid*	31		0.25	0.99	1	mg/Kg	135758		12/01/04 0014	tds	
	Lead, Solid*	19		0.43	0.50	1	mg/Kg	135758		12/01/04 0014	tds	
	Potassium, Solid*	1500		14	50	1	mg/Kg	135758		12/01/04 0014	tds	

* In Description = Dry Wgt.

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Job Number: 232168 LABORATORY TEST RESULTS Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: L10ss-036M-S0 Laboratory Sample ID: 232168-18
 Date Sampled.....: 11/17/2004 Date Received.....: 11/20/2004
 Time Sampled.....: 16:10 Time Received.....: 09:00
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.40	1.5	1	mg/Kg	135758		12/01/04 0014	tds
	Silver, Solid*	0.99	U		0.31	0.99	1	mg/Kg	135758		12/01/04 0014	tds
	Sodium, Solid*	330			86	300	1	mg/Kg	135758		12/01/04 0014	tds
	Vanadium, Solid*	21			0.21	0.99	1	mg/Kg	135758		12/01/04 0014	tds
	Zinc, Solid*	100			0.40	2.0	1	mg/Kg	135758		12/01/04 0014	tds

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-036M-S0 Date Sampled.....: 11/17/2004 Time Sampled.....: 16:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-18 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.19	U		0.054	0.19	1.00000	mg/Kg	136031		12/01/04 0738	san
	RDX, Solid	0.19	U		0.060	0.19	1.00000	mg/Kg	136031		12/01/04 0738	san
	1,3,5-Trinitrobenzene, Solid	0.096	U		0.032	0.096	1.00000	mg/Kg	136031		12/01/04 0738	san
	1,3-Dinitrobenzene, Solid	0.096	U		0.023	0.096	1.00000	mg/Kg	136031		12/01/04 0738	san
	Nitrobenzene, Solid	0.096	U		0.020	0.096	1.00000	mg/Kg	136031		12/01/04 0738	san
	2,4,6-TNT, Solid	0.096	U		0.023	0.096	1.00000	mg/Kg	136031		12/01/04 0738	san
	Tetryl, Solid	0.38	U		0.12	0.38	1.00000	mg/Kg	136031		12/01/04 0738	san
	2,4-Dinitrotoluene, Solid	0.096	U		0.025	0.096	1.00000	mg/Kg	136031		12/01/04 0738	san
	2,6-Dinitrotoluene, Solid	0.19	U		0.047	0.19	1.00000	mg/Kg	136031		12/01/04 0738	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.19	U		0.044	0.19	1.00000	mg/Kg	136031		12/01/04 0738	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.091	0.29	1.00000	mg/Kg	136031		12/01/04 0738	san
	2-Nitrotoluene, Solid	0.19	U		0.046	0.19	1.00000	mg/Kg	136031		12/01/04 0738	san
	4-Nitrotoluene, Solid	0.19	U		0.048	0.19	1.00000	mg/Kg	136031		12/01/04 0738	san
	3-Nitrotoluene, Solid	0.19	U		0.051	0.19	1.00000	mg/Kg	136031		12/01/04 0738	san

* in Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232168								Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10ss-036M-SO Date Sampled.....: 11/17/2004 Time Sampled.....: 16:10 Sample Matrix.....: Soil						Laboratory Sample ID: 232168-18 Date Received.....: 11/20/2004 Time Received.....: 09:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.2			0.10	0.10	1	%	135002		11/21/04 1542	clb
	% Moisture, Solid	5.8			0.10	0.10	1	%	135002		11/21/04 1542	clb
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.58		U	0.18	0.58	1	mg/Kg	135325		11/23/04 1601	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 12/09/2004

Job Number: 232200

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-040M-SO
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-3
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.1			0.10	0.10	1	%	135255		11/23/04 1120	daj
	% Solids, Solid	2.9			0.10	0.10	1	%	135255		11/23/04 1120	daj
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	135886		12/01/04 1359	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	135793		11/30/04 0846	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.063			0.0020	0.017	1	mg/Kg	136553		12/08/04 1543	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			1.1	15	1	mg/Kg	136189		12/03/04 2100	tds
	Barium, Solid*	62			0.12	1.0	1	mg/Kg	136189		12/03/04 2100	tds
	Arsenic, Solid*	12			0.42	1.5	1	mg/Kg	136189		12/03/04 2100	tds
	Beryllium, Solid*	0.70			0.013	0.40	1	mg/Kg	136189		12/03/04 2100	tds
	Cadmium, Solid*	0.25		U	0.025	0.25	1	mg/Kg	136189		12/03/04 2100	tds
	Calcium, Solid*	1500			0.79	10	1	mg/Kg	136189		12/03/04 2100	tds
	Chromium, Solid*	18			0.11	1.0	1	mg/Kg	136189		12/03/04 2100	tds
	Cobalt, Solid*	9.9			0.061	0.50	1	mg/Kg	136189		12/03/04 2100	tds
	Copper, Solid*	16			0.32	3.0	1	mg/Kg	136189		12/03/04 2100	tds
	Iron, Solid*	23000			3.2	10	1	mg/Kg	136189		12/03/04 2100	tds
	Magnesium, Solid*	2000			1.1	10	1	mg/Kg	136189		12/03/04 2100	tds
	Manganese, Solid*	750			0.033	1.0	1	mg/Kg	136189		12/03/04 2100	tds
	Nickel, Solid*	18			0.11	1.0	1	mg/Kg	136189		12/03/04 2100	tds
	Lead, Solid*	22			0.21	1.5	1	mg/Kg	136189		12/03/04 2100	tds
	Potassium, Solid*	1100			4.5	50	1	mg/Kg	136189		12/03/04 2100	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/09/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-040N-S0
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-3
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.75	B		0.50	1.5	1	mg/Kg	136189		12/03/04 2100	tds
	Silver, Solid*	1.0	U		0.11	1.0	1	mg/Kg	136189		12/03/04 2100	tds
	Sodium, Solid*	240	B		85	300	1	mg/Kg	136189		12/03/04 2100	tds
	Vanadium, Solid*	20			0.090	1.0	1	mg/Kg	136189		12/03/04 2100	tds
	Zinc, Solid*	110			0.79	2.0	1	mg/Kg	136189		12/03/04 2100	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-040M-SO
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-3
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMx, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136507		12/02/04 0217	bdw
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	136507		12/02/04 0217	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232200

Date: 12/17/2004

CUSTOMER: MGN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10ss-D40M-S0
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 232200-3
 Date Received.....: 11/23/2004
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.1			0.10	0.10	1	%	135255		11/23/04 1120	daj
	% Solids, Solid	2.9			0.10	0.10	1	%	135255		11/23/04 1120	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric)	0.30		B	0.15	0.47	1	mg/Kg	137310		11/30/04 1344	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232168				Date: 12/02/2004							
CUSTOMER: HQT Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: L10ss-037-SO Date Sampled.....: 11/19/2004 Time Sampled.....: 10:05 Sample Matrix.....: Soil						Laboratory Sample ID: 232168-5 Date Received.....: 11/20/2004 Time Received.....: 09:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics										
	Chloromethane, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Vinyl chloride, Solid*	5.6	U *	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Bromomethane, Solid*	5.6	U	1.4	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Chloroethane, Solid*	5.6	U	1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,1-Dichloroethene, Solid*	5.6	U	1.4	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Carbon disulfide, Solid*	5.6	U	1.3	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Acetone, Solid*	17	U	5.1	17	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Methylene chloride, Solid*	11	U	3.2	11	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	trans-1,2-Dichloroethene, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,1-Dichloroethane, Solid*	5.6	U	1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	cis-1,2-Dichloroethene, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	2-Butanone (MEK), Solid*	17	U	4.3	17	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Bromochloromethane, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Chloroform, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,1,1-Trichloroethane, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Carbon tetrachloride, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Benzene, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,2-Dichloroethane, Solid*	5.6	U	1.0	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Trichloroethene, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,2-Dichloropropane, Solid*	5.6	U	1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Bromodichloromethane, Solid*	5.6	U	1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	cis-1,3-Dichloropropene, Solid*	5.6	U	1.0	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	11	U	1.1	11	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Toluene, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	trans-1,3-Dichloropropene, Solid*	5.6	U	0.88	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,1,2-Trichloroethane, Solid*	5.6	U	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Tetrachloroethene, Solid*	5.6	U	1.3	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	2-Hexanone, Solid*	11	U	1.2	11	1.00000	ug/Kg	135792		11/30/04 1823	jdj

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USAGE: RVAAP 14 AOCs			ATTN: ERIC ELLIS						
Customer Sample ID: L10ss-037-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 10:05 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-5 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,2-Dibromoethane (EDB), Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Chlorobenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Ethylbenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	m&p-Xylenes, Solid*	11	U		2.6	11	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	o-Xylene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Styrene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Bromoform, Solid*	5.6	U		0.84	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,1,2,2-Tetrachloroethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	1,2-Dichloroethene (total), Solid*	11	U		2.3	11	1.00000	ug/Kg	135792		11/30/04 1823	jdj
	Xylenes (total), Solid*	11	U		3.8	11	1.00000	ug/Kg	135792		11/30/04 1823	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10ss-037-DUP
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 232168-6
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Vinyl chloride, Solid*	5.6	U	*	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Bromomethane, Solid*	5.6	U		1.4	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Chloroethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	1,1-Dichloroethane, Solid*	5.6	U		1.4	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Carbon disulfide, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Acetone, Solid*	17	U		5.1	17	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Methylene chloride, Solid*	11	U		3.2	11	1.00000	ug/Kg	135792		11/30/04 1851	jd
	trans-1,2-Dichloroethene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	1,1-Dichloroethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	cis-1,2-Dichloroethene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	2-Butanone (MEK), Solid*	17	U		4.3	17	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Bromochloromethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Chloroform, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	1,1,1-Trichloroethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Carbon tetrachloride, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Benzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	1,2-Dichloroethane, Solid*	5.6	U		1.0	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Trichloroethene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	1,2-Dichloropropane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Bromodichloromethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	cis-1,3-Dichloropropene, Solid*	5.6	U		1.0	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	4-Methyl-2-pentanone (MIBK), Solid*	11	U		1.1	11	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Toluene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	trans-1,3-Dichloropropene, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	1,1,2-Trichloroethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	Tetrachloroethene, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jd
	2-Hexanone, Solid*	11	U		1.2	11	1.00000	ug/Kg	135792		11/30/04 1851	jd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232168				Date: 12/02/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RYAN T4 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10ss-037-DUP Date Sampled.....: 11/19/2004 Time Sampled.....: 10:05 Sample Matrix.....: Soil						Laboratory Sample ID: 232168-6 Date Received.....: 11/20/2004 Time Received.....: 09:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	1,2-Dibromoethane (EDB), Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	Chlorobenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	Ethylbenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	m&p-Xylenes, Solid*	11	U		2.6	11	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	o-Xylene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	Styrene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	Bromoform, Solid*	5.6	U		0.84	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	1,1,2,2-Tetrachloroethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	1,2-Dichloroethene (total), Solid*	11	U		2.3	11	1.00000	ug/Kg	135792		11/30/04 1851	jdj
	Xylenes (total), Solid*	11	U		3.8	11	1.00000	ug/Kg	135792		11/30/04 1851	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232168				Date: 12/02/2004								
CUSTOMER: HOK Engineers, Inc.				PROJECT: USACE RVAAP 14 AOC5				ATTN: Eric Ellis				
Customer Sample ID: L10ss-038-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 10:45 Sample Matrix.....: Soil						Laboratory Sample ID: 232168-11 Date Received.....: 11/20/2004 Time Received.....: 09:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Vinyl chloride, Solid*	5.6	U	*	1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Bromomethane, Solid*	5.6	U		1.5	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Chloroethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,1-Dichloroethene, Solid*	5.6	U		1.5	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Carbon disulfide, Solid*	5.6	U		1.4	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Acetone, Solid*	17	U		5.2	17	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Methylene chloride, Solid*	11	U		3.3	11	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	trans-1,2-Dichloroethene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,1-Dichloroethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	cis-1,2-Dichloroethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	2-Butanone (MEK), Solid*	17	U		4.4	17	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Bromochloromethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Chloroform, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,1,1-Trichloroethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Carbon tetrachloride, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Benzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,2-Dichloroethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Trichloroethene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,2-Dichloropropane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Bromodichloromethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	cis-1,3-Dichloropropene, Solid*	5.6	U		1.0	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	11	U		1.1	11	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Toluene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	trans-1,3-Dichloropropene, Solid*	5.6	U		0.89	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,1,2-Trichloroethane, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Tetrachloroethene, Solid*	5.6	U		1.4	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	2-Hexanone, Solid*	11	U		1.2	11	1.00000	ug/Kg	135792		11/30/04 2111	jdj

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10ss-038-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 10:45 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-11 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	5.6	U		0.89	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,2-Dibromoethane (EDB), Solid*	5.6	U		0.92	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Chlorobenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Ethylbenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	m&p-Xylenes, Solid*	11	U		2.6	11	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	o-Xylene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Styrene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Bromoform, Solid*	5.6	U		0.85	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,1,2,2-Tetrachloroethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	1,2-Dichloroethene (total), Solid*	11	U		2.4	11	1.00000	ug/Kg	135792		11/30/04 2111	jdj
	Xylenes (total), Solid*	11	U		3.8	11	1.00000	ug/Kg	135792		11/30/04 2111	jdj

* In Description = Dry Wgt.

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STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10ss-039-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 09:35 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-10 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Vinyl chloride, Solid*	5.5	U	*	1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Bromomethane, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Chloroethane, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,1-Dichloroethene, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Carbon disulfide, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Acetone, Solid*	17	U		5.1	17	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Methylene chloride, Solid*	11	U		3.2	11	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	trans-1,2-Dichloroethene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,1-Dichloroethane, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	cis-1,2-Dichloroethene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	2-Butanone (NEK), Solid*	17	U		4.3	17	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Bromochloromethane, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Chloroform, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,1,1-Trichloroethane, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Carbon tetrachloride, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Benzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,2-Dichloroethane, Solid*	5.5	U		1.0	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Trichloroethene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,2-Dichloropropane, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Bromodichloromethane, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	cis-1,3-Dichloropropane, Solid*	5.5	U		1.0	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	11	U		1.1	11	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Toluene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	trans-1,3-Dichloropropane, Solid*	5.5	U		0.87	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,1,2-Trichloroethane, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Tetrachloroethene, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	2-Hexanone, Solid*	11	U		1.2	11	1.00000	ug/Kg	135792		11/30/04 2043	jdj

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ADGS				ATTN: Eric Ellis					
Customer Sample ID: L10ss-039-S0 Date Sampled.....: 11/19/2004 Time Sampled.....: 09:35 Sample Matrix.....: Soil			Laboratory Sample ID: 232168-10 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	5.5		U	0.87	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,2-Dibromoethane (EDB), Solid*	5.5		U	0.91	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Chlorobenzene, Solid*	5.5		U	1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Ethylbenzene, Solid*	5.5		U	1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	m&p-Xylenes, Solid*	11		U	2.5	11	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	o-Xylene, Solid*	5.5		U	1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Styrene, Solid*	5.5		U	1.2	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Bromoform, Solid*	5.5		U	0.83	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,1,2,2-Tetrachloroethane, Solid*	5.5		U	1.1	5.5	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	1,2-Dichloroethene (total), Solid*	11		U	2.3	11	1.00000	ug/Kg	135792		11/30/04 2043	jdj
	Xylenes (total), Solid*	11		U	3.8	11	1.00000	ug/Kg	135792		11/30/04 2043	jdj

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: ERIC ELLIS					
Customer Sample ID: WSAss-001M-SO Date Sampled.....: 10/27/2004 Time Sampled.....: 08:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-2 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.6			0.10	0.10	1	%	132702		10/29/04 2326	clb
	% Moisture, Solid	8.4			0.10	0.10	1	%	132702		10/29/04 2326	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	133152		11/03/04 1803	daJ
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	133162		11/03/04 2025	daJ
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.028		B	0.0094	0.036	1	mg/Kg	133066		11/03/04 1447	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.5	15	1	mg/Kg	133264		11/04/04 1546	tds
	Barium, Solid*	54			0.16	1.0	1	mg/Kg	133264		11/04/04 1546	tds
	Arsenic, Solid*	18			0.52	1.5	1	mg/Kg	133264		11/04/04 1546	tds
	Beryllium, Solid*	0.74			0.045	0.41	1	mg/Kg	133264		11/04/04 1546	tds
	Cadmium, Solid*	0.51		U	0.16	0.51	2	mg/Kg	133382		11/05/04 1442	tds
	Calcium, Solid*	4100			3.2	10	1	mg/Kg	133264		11/04/04 1546	tds
	Chromium, Solid*	22			0.23	1.0	1	mg/Kg	133264		11/04/04 1546	tds
	Cobalt, Solid*	10			0.14	0.51	1	mg/Kg	133264		11/04/04 1546	tds
	Copper, Solid*	21			0.92	3.1	1	mg/Kg	133264		11/04/04 1546	tds
	Iron, Solid*	30000			3.1	10	1	mg/Kg	133264		11/04/04 1546	tds
	Magnesium, Solid*	3400			1.7	10	1	mg/Kg	133264		11/04/04 1546	tds
	Manganese, Solid*	400			0.13	1.0	1	mg/Kg	133264		11/04/04 1546	tds
	Nickel, Solid*	23			0.26	1.0	1	mg/Kg	133264		11/04/04 1546	tds
	Lead, Solid*	69			0.44	1.5	1	mg/Kg	133264		11/04/04 1546	tds
	Potassium, Solid*	1300			14	51	1	mg/Kg	133264		11/04/04 1546	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-001M-SO Date Sampled.....: 10/27/2004 Time Sampled.....: 08:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-2 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.42	B		0.41	1.5	1	mg/Kg	133264		11/04/04 1546	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	133264		11/04/04 1546	tds
	Sodium, Solid*	320			89	310	1	mg/Kg	133264		11/04/04 1546	tds
	Vanadium, Solid*	21			0.22	1.0	1	mg/Kg	133264		11/04/04 1546	tds
	Zinc, Solid*	71			0.41	2.1	1	mg/Kg	133264		11/04/04 1546	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: HMK Engineers, Inc.			PROJECT: USAGE: RVAAP 14 AOCs			ATTN: Eric Elits						
Customer Sample ID: WSAss-001M-SO Date Sampled.....: 10/27/2004 Time Sampled.....: 08:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-2 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (NPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134057		11/05/04 0506	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134057		11/05/04 0506	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134057		11/05/04 0506	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134057		11/05/04 0506	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134057		11/05/04 0506	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134057		11/05/04 0506	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134057		11/05/04 0506	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134057		11/05/04 0506	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134057		11/05/04 0506	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134057		11/05/04 0506	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134057		11/05/04 0506	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134057		11/05/04 0506	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134057		11/05/04 0506	san
	3-Nitrotoluene, Solid	0.080	J	a	0.053	0.20	1.00000	mg/Kg	134057		11/05/04 0506	san

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-002N-S0 Date Sampled.....: 10/26/2004 Time Sampled.....: 14:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-5 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	REL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.4			0.10	0.10	1	%	132702		10/29/04 2336	clb
	% Solids, Solid	2.6			0.10	0.10	1	%	132702		10/29/04 2336	clb
7041	Antimony (GFAA) Antimony, Solid*	1.2		U	0.39	1.2	1	mg/Kg	133152		11/03/04 1844	daj
7841	Thallium (GFAA) Thallium, Solid*	0.54		U	0.17	0.54	1	mg/Kg	133162		11/03/04 2116	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.70			0.0088	0.034	1	mg/Kg	133066		11/03/04 1458	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.3	14	1	mg/Kg	133264		11/04/04 1604	tds
	Barium, Solid*	56			0.15	0.95	1	mg/Kg	133264		11/04/04 1604	tds
	Arsenic, Solid*	19			0.49	1.4	1	mg/Kg	133264		11/04/04 1604	tds
	Beryllium, Solid*	0.79			0.042	0.38	1	mg/Kg	133264		11/04/04 1604	tds
	Cadmium, Solid*	0.48		U	0.15	0.48	2	mg/Kg	133382		11/05/04 1501	tds
	Calcium, Solid*	5400			2.9	9.5	1	mg/Kg	133264		11/04/04 1604	tds
	Chromium, Solid*	25			0.21	0.95	1	mg/Kg	133264		11/04/04 1604	tds
	Cobalt, Solid*	12			0.13	0.48	1	mg/Kg	133264		11/04/04 1604	tds
	Copper, Solid*	20			0.86	2.9	1	mg/Kg	133264		11/04/04 1604	tds
	Iron, Solid*	30000			2.9	9.5	1	mg/Kg	133264		11/04/04 1604	tds
	Magnesium, Solid*	3400			1.6	9.5	1	mg/Kg	133264		11/04/04 1604	tds
	Manganese, Solid*	400			0.12	0.95	1	mg/Kg	133264		11/04/04 1604	tds
	Nickel, Solid*	29			0.24	0.95	1	mg/Kg	133264		11/04/04 1604	tds
	Lead, Solid*	97			0.41	1.4	1	mg/Kg	133264		11/04/04 1604	tds
	Potassium, Solid*	1000			13	48	1	mg/Kg	133264		11/04/04 1604	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSAss-002H-S0
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-5
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4		U	0.38	1.4	1	mg/Kg	133264		11/04/04 1604	tds
	Silver, Solid*	0.95		U	0.29	0.95	1	mg/Kg	133264		11/04/04 1604	tds
	Sodium, Solid*	310			82	290	1	mg/Kg	133264		11/04/04 1604	tds
	Vanadium, Solid*	18			0.20	0.95	1	mg/Kg	133264		11/04/04 1604	tds
	Zinc, Solid*	140			0.38	1.9	1	mg/Kg	133264		11/04/04 1604	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADES

ATTN: Eric Blitt

Customer Sample ID: WSAss-002M-SO
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-5
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134057		11/04/04 1642	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134057		11/04/04 1642	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134057		11/04/04 1642	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134057		11/04/04 1642	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134057		11/04/04 1642	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134057		11/04/04 1642	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134057		11/04/04 1642	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134057		11/04/04 1642	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134057		11/04/04 1642	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134057		11/04/04 1642	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134057		11/04/04 1642	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134057		11/04/04 1642	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134057		11/04/04 1642	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134057		11/04/04 1642	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSAss-003M-S0
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-1
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.9			0.10	0.10	1	%	132702		10/29/04 2323	clb
	% Moisture, Solid	3.1			0.10	0.10	1	%	132702		10/29/04 2323	clb
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.40	1.3	1	mg/Kg	133152		11/03/04 1753	daj
7841	Thallium (GFAA) Thallium, Solid*	0.55		U	0.17	0.55	1	mg/Kg	133162		11/03/04 1959	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.018		B	0.0089	0.034	1	mg/Kg	133066		11/03/04 1445	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.4	15	1	mg/Kg	133264		11/04/04 1539	tds
	Barium, Solid*	65			0.16	0.99	1	mg/Kg	133264		11/04/04 1539	tds
	Arsenic, Solid*	16			0.50	1.5	1	mg/Kg	133264		11/04/04 1539	tds
	Beryllium, Solid*	0.77			0.043	0.39	1	mg/Kg	133264		11/04/04 1539	tds
	Cadmium, Solid*	0.49		U	0.16	0.49	2	mg/Kg	133382		11/05/04 1436	tds
	Calcium, Solid*	5900			3.1	9.9	1	mg/Kg	133264		11/04/04 1539	tds
	Chromium, Solid*	26			0.22	0.99	1	mg/Kg	133264		11/04/04 1539	tds
	Cobalt, Solid*	12			0.14	0.49	1	mg/Kg	133264		11/04/04 1539	tds
	Copper, Solid*	18			0.89	3.0	1	mg/Kg	133264		11/04/04 1539	tds
	Iron, Solid*	27000			3.0	9.9	1	mg/Kg	133264		11/04/04 1539	tds
	Magnesium, Solid*	3100			1.7	9.9	1	mg/Kg	133264		11/04/04 1539	tds
	Manganese, Solid*	400			0.13	0.99	1	mg/Kg	133264		11/04/04 1539	tds
	Nickel, Solid*	29			0.25	0.99	1	mg/Kg	133264		11/04/04 1539	tds
	Lead, Solid*	19			0.42	1.5	1	mg/Kg	133264		11/04/04 1539	tds
	Potassium, Solid*	1100			14	49	1	mg/Kg	133264		11/04/04 1539	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: HOK Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-003M-S0 Date Sampled.....: 10/26/2004 Time Sampled.....: 14:05 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-1 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.39	1.5	1	mg/Kg	133264		11/04/04 1539	tds
	Silver, Solid*	0.99	U		0.31	0.99	1	mg/Kg	133264		11/04/04 1539	tds
	Sodium, Solid*	280	B		85	300	1	mg/Kg	133264		11/04/04 1539	tds
	Vanadium, Solid*	18			0.21	0.99	1	mg/Kg	133264		11/04/04 1539	tds
	Zinc, Solid*	64			0.39	2.0	1	mg/Kg	133264		11/04/04 1539	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSAss-003M-S0
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-1
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134057		11/04/04 1432	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134057		11/04/04 1432	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134057		11/04/04 1432	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134057		11/04/04 1432	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134057		11/04/04 1432	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134057		11/04/04 1432	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134057		11/04/04 1432	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134057		11/04/04 1432	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134057		11/04/04 1432	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134057		11/04/04 1432	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134057		11/04/04 1432	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134057		11/04/04 1432	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134057		11/04/04 1432	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134057		11/04/04 1432	san

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AODS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-004M-SO Date Sampled.....: 10/26/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-6 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.7			0.10	0.10	1	%	132702		10/29/04 2339	clb
	% Moisture, Solid	2.3			0.10	0.10	1	%	132702		10/29/04 2339	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	133152		11/03/04 1854	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	133347		11/04/04 1234	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.14			0.0088	0.034	1	mg/Kg	133066		11/03/04 1501	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			2.2	14	1	mg/Kg	133264		11/04/04 1611	tds
	Barium, Solid*	52			0.14	0.91	1	mg/Kg	133264		11/04/04 1611	tds
	Arsenic, Solid*	15			0.46	1.4	1	mg/Kg	133264		11/04/04 1611	tds
	Beryllium, Solid*	0.70			0.040	0.36	1	mg/Kg	133264		11/04/04 1611	tds
	Cadmium, Solid*	0.45		U	0.14	0.45	2	mg/Kg	133382		11/05/04 1507	tds
	Calcium, Solid*	2400			2.8	9.1	1	mg/Kg	133264		11/04/04 1611	tds
	Chromium, Solid*	20			0.20	0.91	1	mg/Kg	133264		11/04/04 1611	tds
	Cobalt, Solid*	10			0.13	0.45	1	mg/Kg	133264		11/04/04 1611	tds
	Copper, Solid*	20			0.81	2.7	1	mg/Kg	133264		11/04/04 1611	tds
	Iron, Solid*	26000			2.7	9.1	1	mg/Kg	133264		11/04/04 1611	tds
	Magnesium, Solid*	2900			1.5	9.1	1	mg/Kg	133264		11/04/04 1611	tds
	Manganese, Solid*	310			0.12	0.91	1	mg/Kg	133264		11/04/04 1611	tds
	Nickel, Solid*	25			0.23	0.91	1	mg/Kg	133264		11/04/04 1611	tds
	Lead, Solid*	15			0.39	1.4	1	mg/Kg	133264		11/04/04 1611	tds
	Potassium, Solid*	920			12	45	1	mg/Kg	133264		11/04/04 1611	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACES				ATTN: Eric Ellis					
Customer Sample ID: WSAss-004M-S0 Date Sampled.....: 10/26/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-6 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4		U	0.36	1.4	1	mg/Kg	133264		11/04/04 1611	tds
	Silver, Solid*	0.91		U	0.28	0.91	1	mg/Kg	133264		11/04/04 1611	tds
	Sodium, Solid*	280			78	270	1	mg/Kg	133264		11/04/04 1611	tds
	Vanadium, Solid*	16			0.19	0.91	1	mg/Kg	133264		11/04/04 1611	tds
	Zinc, Solid*	63			0.36	1.8	1	mg/Kg	133264		11/04/04 1611	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493 Date: 11/12/2004

CUSTOMER: MCM Engineers, Inc. PROJECT: USACE RVAAP 14 AGCS ATTN: Eric Ellis

Customer Sample ID: WSAss-004M-S0
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-6
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	34	U		3.2	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	beta-BHC, 3541 Solid*	34	U		3.0	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	delta-BHC, 3541 Solid*	34	U		2.2	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	gamma-BHC (Lindane), 3541 Solid*	34	U		4.6	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Heptachlor, 3541 Solid*	34	U	*	3.6	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Aldrin, 3541 Solid*	34	U		2.6	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Heptachlor epoxide, 3541 Solid*	34	U		2.8	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Endosulfan I, 3541 Solid*	34	U		5.4	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Dieldrin, 3541 Solid*	34	U		6.8	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	4,4'-DDE, 3541 Solid*	40	U		13	40	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Endrin, 3541 Solid*	34	U		8.6	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Endosulfan II, 3541 Solid*	34	U		5.6	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	4,4'-DDD, 3541 Solid*	34	U		7.2	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Endosulfan sulfate, 3541 Solid*	34	U		5.8	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	4,4'-DDT, 3541 Solid*	34	U		7.4	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Methoxychlor, 3541 Solid*	170	U		46	170	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	alpha-Chlordane, 3541 Solid*	34	U		2.4	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	gamma-Chlordane, 3541 Solid*	34	U		3.0	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Endrin aldehyde, 3541 Solid*	34	U		6.6	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Endrin ketone, 3541 Solid*	34	U		5.8	34	20.0000	ug/Kg	133874		11/05/04 2115	kdl
	Toxaphene, 3541 Solid*	330	U		92	330	20.0000	ug/Kg	133874		11/05/04 2115	kdl
Method	% Solids Determination											
	% Solids, Solid	97.7			0.10	0.10	1	%	132702		10/29/04 2339	clb
	% Moisture, Solid	2.3			0.10	0.10	1	%	132702		10/29/04 2339	clb

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: NKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-004M-SO Date Sampled.....: 10/26/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-6 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	33	U	8.9	33	1.00000	ug/Kg	134158		11/09/04 1417	bjt	
	Aroclor 1221, 3541 Solid*	33	U	4.6	33	1.00000	ug/Kg	134158		11/09/04 1417	bjt	
	Aroclor 1232, 3541 Solid*	17	U	4.5	17	1.00000	ug/Kg	134158		11/09/04 1417	bjt	
	Aroclor 1242, 3541 Solid*	33	U	4.9	33	1.00000	ug/Kg	134158		11/09/04 1417	bjt	
	Aroclor 1248, 3541 Solid*	17	U	3.7	17	1.00000	ug/Kg	134158		11/09/04 1417	bjt	
	Aroclor 1254, 3541 Solid*	33	U	4.5	33	1.00000	ug/Kg	134158		11/09/04 1417	bjt	
	Aroclor 1260, 3541 Solid*	33	U	13	33	1.00000	ug/Kg	134158		11/09/04 1417	bjt	
Method	% Solids Determination											
	% Solids, Solid	97.7		0.10	0.10	1	%	132702		10/29/04 2339	clb	
	% Moisture, Solid	2.3		0.10	0.10	1	%	132702		10/29/04 2339	clb	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231416								Date: 11/10/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: WSAss-004D-S0 Date Sampled.....: 10/26/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil						Laboratory Sample ID: 231416-1 Date Received.....: 10/27/2004 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	74.3										
	% Solids, Solid				0.10	0.10	1	%	132634		10/29/04 1321	pfk
	% Moisture, Solid	25.7			0.10	0.10	1	%	132634		10/29/04 1321	pfk
8260B	Volatile Organics											
	Chloromethane, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Vinyl chloride, Solid*	6.7	U	*	1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Bromomethane, Solid*	6.7	U		1.7	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Chloroethane, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,1-Dichloroethane, Solid*	6.7	U		1.7	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Carbon disulfide, Solid*	6.7	U		1.6	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Acetone, Solid*	20	U		6.2	20	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Methylene chloride, Solid*	13	U		3.9	13	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	trans-1,2-Dichloroethene, Solid*	6.7	U	*	1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,1-Dichloroethane, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	cis-1,2-Dichloroethene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	2-Butanone (MEK), Solid*	20	U		5.2	20	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Bromochloromethane, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Chloroform, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,1,1-Trichloroethane, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Carbon tetrachloride, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Benzene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,2-Dichloroethane, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Trichloroethene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,2-Dichloropropane, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Bromodichloromethane, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	cis-1,3-Dichloropropene, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
4-Methyl-2-pentanone (MIBK), Solid*	13	U		1.3	13	1.00000	ug/Kg	133534		11/07/04 2046	jdj	
Toluene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj	

* In Description = Dry Wgt.

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Job Number: 231416		LABORATORY TEST RESULTS						Date: 11/10/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 16 AOCs			ATTN: Eric Ellis						
Customer Sample ID: WSAss-0040-S0 Date Sampled.....: 10/26/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231416-1 Date Received.....: 10/27/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,1,2-Trichloroethane, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Tetrachloroethene, Solid*	6.7	U		1.6	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	2-Hexanone, Solid*	13	U		1.5	13	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Dibromochloromethane, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,2-Dibromoethane (EDB), Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Chlorobenzene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Ethylbenzene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	m&p-Xylenes, Solid*	13	U		3.1	13	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	o-Xylene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Styrene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Bromoform, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	1,2-Dichloroethene (total), Solid*	13	U		2.8	13	1.00000	ug/Kg	133534		11/07/04 2046	jdj
	Xylenes (total), Solid*	13	U		4.6	13	1.00000	ug/Kg	133534		11/07/04 2046	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 1A ADCS

ATTN: Eric Ellis

Customer Sample ID: WSAss-004M-SO
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-6
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	28		J	6.9	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	65		U	8.6	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	160		U	13	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	160		U	15	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	160		U	14	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Benzyl alcohol, 3541 Low Solid*	620		J	71	650	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	65		U	10	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Soli*d	160		U	15	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	65		U	13	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Hexachloroethane, 3541 Low Solid*	160		U	8.3	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Soli*d	65		U	12	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2-Chlorophenol, 3541 Low Solid*	160		U	13	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Nitrobenzene, 3541 Low Solid*	32		U	8.3	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	65		U	8.5	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	160		U	13	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Benzoic acid, 3541 Low Solid*	650		U	190	650	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Isophorone, 3541 Low Solid*	160		U	19	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	320		U	16	320	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Hexachlorobutadiene, 3541 Low Solid*	160		U	8.7	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Naphthalene, 3541 Low Solid*	81		U	8.1	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	320		U	15	320	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	4-Chloroaniline, 3541 Low Solid*	650		U	52	650	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	160		U	36	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	320		U	43	320	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	970		U	300	970	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2-Methylnaphthalene, 3541 Low Solid*	58		U	9.7	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2-Nitroaniline, 3541 Low Solid*	160		U	10	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2-Chloronaphthalene, 3541 Low Solid*	160		U	15	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: HCN Engineers, Inc.

PROJECT: LISAGE RYAMP 14 MOCS

ATTN: Eric Ellis

Customer Sample ID: WSAss-004M-S0
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-6
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	320		U	34	320	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	32		U	8.9	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2-Nitrophenol, 3541 Low Solid*	320		U	14	320	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	3-Nitroaniline, 3541 Low Solid*	650		U	130	650	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Dimethyl phthalate, 3541 Low Solid*	65		U	8.6	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	650		U	100	650	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Acenaphthylene, 3541 Low Solid*	16		J	8.0	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	32		U	10	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Acenaphthene, 3541 Low Solid*	1500			8.0	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Dibenzofuran, 3541 Low Solid*	540			8.5	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	4-Nitrophenol, 3541 Low Solid*	650		U	210	650	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Fluorene, 3541 Low Solid*	1300			8.7	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	4-Nitroaniline, 3541 Low Solid*	650		U	43	650	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	160		U	9.7	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Hexachlorobenzene, 3541 Low Solid*	32		U	9.2	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Diethyl phthalate, 3541 Low Solid*	65		U	9.2	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	160		U	9.6	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Pentachlorophenol, 3541 Low Solid*	320		U	110	320	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	32		U	10	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	650		U	160	650	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Phenanthrene, 3541 Low Solid*	12000			150	480	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Anthracene, 3541 Low Solid*	2900			110	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Carbazole, 3541 Low Solid*	1400			11	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	160		U	11	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Fluoranthene, 3541 Low Solid*	18000			100	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Pyrene, 3541 Low Solid*	17000			120	480	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	65		U	10	65	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Benzo(a)anthracene, 3541 Low Solid*	8200			96	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Chrysene, 3541 Low Solid*	7800			100	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSAss-004M-S0
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-6
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	HDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	160	U		14	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	160	U		31	160	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	320	U		10	320	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	7300			86	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	3200		M	91	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Benzo(a)pyrene, 3541 Low Solid*	5500			92	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	3400			99	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	940		H	9.2	32	1.00000	ug/Kg	134462		11/16/04 1559	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	3700			110	320	10.00000	ug/Kg	134462	D1	11/16/04 2045	dpk
Method	% Solids Determination											
	% Solids, Solid	97.7			0.10	0.10	1	%	132702		10/29/04 2339	clb
	% Moisture, Solid	2.3			0.10	0.10	1	%	132702		10/29/04 2339	clb

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP IA AGCS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-004M-S0 Date Sampled.....: 10/26/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-6 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134057		11/05/04 0749	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134057		11/05/04 0749	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134057		11/05/04 0749	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134057		11/05/04 0749	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134057		11/05/04 0749	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134057		11/05/04 0749	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134057		11/05/04 0749	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134057		11/05/04 0749	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134057		11/05/04 0749	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134057		11/05/04 0749	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134057		11/05/04 0749	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134057		11/05/04 0749	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134057		11/05/04 0749	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134057		11/05/04 0749	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	134007		11/09/04 0846	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: WSAss-004M-SO

Trace Level Organic Compounds

Lot-Sample #....: G4J290255-001 Work Order #....: GVT4PIAA Matrix.....: SO
Date Sampled....: 10/26/04 13:30 Date Received..: 10/29/04
Prep Date.....: 11/02/04 Analysis Date..: 11/03/04
Prep Batch #....: 4307341
Dilution Factor: 1 Initial wgt/vol: 2 g Final wgt/vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	0.25	mg/kg	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: WSAss-004M-SO

General Chemistry

Lot-Sample #...: G4J290255-001
Date Sampled...: 10/26/04

Work Order #...: GVT4P
Date Received...: 10/29/04

Matrix.....: SO

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrocellulose	0.73 B	2.0	mg/kg	MCAW 353.2	11/09-11/12/04	4314547
			MDL.....: 0.57			

NOTE (S) :

- RL Reporting Limit
- B Estimated result. Result is less than RL.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: WSass-005M-SO
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-1
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.7			0.10	0.10	1	%	132836		11/01/04 1402	daj
	% Moisture, Solid	7.3			0.10	0.10	1	%	132836		11/01/04 1402	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	133349		11/04/04 2050	daj
7841	Thallium (GFAA) Thallium, Solid*	0.26		B	0.20	0.63	1	mg/Kg	133347		11/04/04 1458	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.094			0.0046	0.018	1	mg/Kg	133337		11/04/04 1458	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	16000			2.4	15	1	mg/Kg	133493		11/06/04 1349	tds
	Barium, Solid*	110			0.16	1.0	1	mg/Kg	133493		11/06/04 1349	tds
	Arsenic, Solid*	11			0.51	1.5	1	mg/Kg	133493		11/06/04 1349	tds
	Beryllium, Solid*	1.0			0.044	0.40	1	mg/Kg	133493		11/06/04 1349	tds
	Cadmium, Solid*	0.50		U	0.16	0.50	2	mg/Kg	133604		11/08/04 1337	tds
	Calcium, Solid*	5100		H	3.1	10	1	mg/Kg	133493		11/06/04 1349	tds
	Chromium, Solid*	23			0.22	1.0	1	mg/Kg	133493		11/06/04 1349	tds
	Cobalt, Solid*	11			0.14	0.50	1	mg/Kg	133493		11/06/04 1349	tds
	Copper, Solid*	20			0.90	3.0	1	mg/Kg	133493		11/06/04 1349	tds
	Iron, Solid*	27000		H	3.0	10	1	mg/Kg	133493		11/06/04 1349	tds
	Magnesium, Solid*	3900			1.7	10	1	mg/Kg	133493		11/06/04 1349	tds
	Manganese, Solid*	410			0.13	1.0	1	mg/Kg	133493		11/06/04 1349	tds
	Nickel, Solid*	27			0.25	1.0	1	mg/Kg	133493		11/06/04 1349	tds
	Lead, Solid*	16			0.43	1.5	1	mg/Kg	133493		11/06/04 1349	tds
	Potassium, Solid*	1900			14	50	1	mg/Kg	133493		11/06/04 1349	tds

* In Description = Dry Wgt.

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Job Number: Z31542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP T4 AGES				ATTN: Eric Ellis					
Customer Sample ID: WSAss-005M-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 09:35 Sample Matrix.....: Soil			Laboratory Sample ID: Z31542-1 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5		U	0.40	1.5	1	mg/Kg	133493		11/06/04 1349	tds
	Silver, Solid*	1.0		U	0.31	1.0	1	mg/Kg	133493		11/06/04 1349	tds
	Sodium, Solid*	430			87	300	1	mg/Kg	133493		11/06/04 1349	tds
	Vanadium, Solid*	28			0.21	1.0	1	mg/Kg	133493		11/06/04 1349	tds
	Zinc, Solid*	71			0.40	2.0	1	mg/Kg	133493		11/06/04 1349	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/13/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 1A AGCS			ATTN: Eric Ellis						
Customer Sample ID: WSass-005M-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 09:35 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-1 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134214		11/12/04 1854	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134214		11/12/04 1854	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134214		11/12/04 1854	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134214		11/12/04 1854	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134214		11/12/04 1854	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134214		11/12/04 1854	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134214		11/12/04 1854	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134214		11/12/04 1854	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/12/04 1854	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/12/04 1854	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134214		11/12/04 1854	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/12/04 1854	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134214		11/12/04 1854	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134214		11/12/04 1854	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVRAP 14 ADS

ATTN: Eric Ellis

Customer Sample ID: WSAss-005M-DUP
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-5
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.7			0.10	0.10	1	%	132836		11/01/04 1411	daj
	% Moisture, Solid	3.3			0.10	0.10	1	%	132836		11/01/04 1411	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	133349		11/04/04 2141	daj
7841	Thallium (GFAA) Thallium, Solid*	0.26		B	0.19	0.61	1	mg/Kg	133347		11/04/04 1656	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.034			0.0044	0.017	1	mg/Kg	133337		11/04/04 1509	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.3	15	1	mg/Kg	133493		11/06/04 1414	tds
	Barium, Solid*	74			0.16	0.97	1	mg/Kg	133493		11/06/04 1414	tds
	Arsenic, Solid*	16			0.50	1.5	1	mg/Kg	133493		11/06/04 1414	tds
	Beryllium, Solid*	0.81			0.043	0.39	1	mg/Kg	133493		11/06/04 1414	tds
	Cadmium, Solid*	0.49		U	0.16	0.49	2	mg/Kg	133604		11/08/04 1402	tds
	Calcium, Solid*	2300			3.0	9.7	1	mg/Kg	133493		11/06/04 1414	tds
	Chromium, Solid*	20			0.21	0.97	1	mg/Kg	133493		11/06/04 1414	tds
	Cobalt, Solid*	11			0.14	0.49	1	mg/Kg	133493		11/06/04 1414	tds
	Copper, Solid*	20			0.88	2.9	1	mg/Kg	133493		11/06/04 1414	tds
	Iron, Solid*	26000			2.9	9.7	1	mg/Kg	133493		11/06/04 1414	tds
	Magnesium, Solid*	3200			1.7	9.7	1	mg/Kg	133493		11/06/04 1414	tds
	Manganese, Solid*	340			0.13	0.97	1	mg/Kg	133493		11/06/04 1414	tds
	Nickel, Solid*	26			0.24	0.97	1	mg/Kg	133493		11/06/04 1414	tds
	Lead, Solid*	16			0.42	1.5	1	mg/Kg	133493		11/06/04 1414	tds
	Potassium, Solid*	1600			13	49	1	mg/Kg	133493		11/06/04 1414	tds

* In Description = Dry Wgt.

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Job Number: 231542 LABORATORY TEST RESULTS Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AGCS ATTN: Eric Ellis

Customer Sample ID: WSAss-005M-DUP
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-5
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U	0.39	1.5	1	mg/Kg	133493		11/06/04 1414	tds
	Silver, Solid*	0.97	U	0.30	0.97	1	mg/Kg	133493		11/06/04 1414	tds
	Sodium, Solid*	390		85	290	1	mg/Kg	133493		11/06/04 1414	tds
	Vanadium, Solid*	21		0.20	0.97	1	mg/Kg	133493		11/06/04 1414	tds
	Zinc, Solid*	65		0.39	1.9	1	mg/Kg	133493		11/06/04 1414	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/13/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: WSAss-005M-DUP Date Sampled.....: 10/27/2004 Time Sampled.....: 09:35 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-5 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134214		11/12/04 2104	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134214		11/12/04 2104	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134214		11/12/04 2104	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134214		11/12/04 2104	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134214		11/12/04 2104	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134214		11/12/04 2104	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134214		11/12/04 2104	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134214		11/12/04 2104	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/12/04 2104	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/12/04 2104	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134214		11/12/04 2104	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/12/04 2104	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134214		11/12/04 2104	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134214		11/12/04 2104	san

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-006W-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 09:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-4 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.0			0.10	0.10	1	%	132836		11/01/04 1409	daj
	% Moisture, Solid	3.0			0.10	0.10	1	%	132836		11/01/04 1409	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	133349		11/04/04 2131	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	133347		11/04/04 1644	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.040			0.0044	0.017	1	mg/Kg	133337		11/04/04 1507	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.2	14	1	mg/Kg	133493		11/06/04 1408	tds
	Barium, Solid*	67			0.15	0.92	1	mg/Kg	133493		11/06/04 1408	tds
	Arsenic, Solid*	15			0.47	1.4	1	mg/Kg	133493		11/06/04 1408	tds
	Beryllium, Solid*	0.79			0.041	0.37	1	mg/Kg	133493		11/06/04 1408	tds
	Cadmium, Solid*	0.46		U	0.15	0.46	2	mg/Kg	133604		11/08/04 1356	tds
	Calcium, Solid*	4000			2.9	9.2	1	mg/Kg	133493		11/06/04 1408	tds
	Chromium, Solid*	21			0.20	0.92	1	mg/Kg	133493		11/06/04 1408	tds
	Cobalt, Solid*	11			0.13	0.46	1	mg/Kg	133493		11/06/04 1408	tds
	Copper, Solid*	20			0.83	2.8	1	mg/Kg	133493		11/06/04 1408	tds
	Iron, Solid*	25000			2.8	9.2	1	mg/Kg	133493		11/06/04 1408	tds
	Magnesium, Solid*	3700			1.6	9.2	1	mg/Kg	133493		11/06/04 1408	tds
	Manganese, Solid*	410			0.12	0.92	1	mg/Kg	133493		11/06/04 1408	tds
	Nickel, Solid*	27			0.23	0.92	1	mg/Kg	133493		11/06/04 1408	tds
	Lead, Solid*	15			0.40	1.4	1	mg/Kg	133493		11/06/04 1408	tds
	Potassium, Solid*	1600			13	46	1	mg/Kg	133493		11/06/04 1408	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-006N-SO			Laboratory Sample ID: 231542-4									
Date Sampled.....: 10/27/2004			Date Received.....: 10/30/2004									
Time Sampled.....: 09:15			Time Received.....: 11:15									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4	U		0.37	1.4	1	mg/Kg	133493		11/06/04 1408	tds
	Silver, Solid*	0.92	U		0.29	0.92	1	mg/Kg	133493		11/06/04 1408	tds
	Sodium, Solid*	390			80	280	1	mg/Kg	133493		11/06/04 1408	tds
	Vanadium, Solid*	19			0.19	0.92	1	mg/Kg	133493		11/06/04 1408	tds
	Zinc, Solid*	67			0.37	1.8	1	mg/Kg	133493		11/06/04 1408	tds

* In Description = Dry Wgt.

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Job Number: 231542 LABORATORY TEST RESULTS Date: 11/13/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: WSAss-006N-S0
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-4
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (NPLC)											
	HMX, Solid	0.19	U		0.055	0.19	1.00000	mg/Kg	134214		11/12/04 2031	san
	RDX, Solid	0.19	U		0.061	0.19	1.00000	mg/Kg	134214		11/12/04 2031	san
	1,3,5-Trinitrobenzene, Solid	0.097	U		0.032	0.097	1.00000	mg/Kg	134214		11/12/04 2031	san
	1,3-Dinitrobenzene, Solid	0.097	U		0.023	0.097	1.00000	mg/Kg	134214		11/12/04 2031	san
	Nitrobenzene, Solid	0.097	U		0.020	0.097	1.00000	mg/Kg	134214		11/12/04 2031	san
	2,4,6-TNT, Solid	0.097	U		0.023	0.097	1.00000	mg/Kg	134214		11/12/04 2031	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134214		11/12/04 2031	san
	2,4-Dinitrotoluene, Solid	0.097	U		0.025	0.097	1.00000	mg/Kg	134214		11/12/04 2031	san
	2,6-Dinitrotoluene, Solid	0.19	U		0.047	0.19	1.00000	mg/Kg	134214		11/12/04 2031	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.19	U		0.044	0.19	1.00000	mg/Kg	134214		11/12/04 2031	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.092	0.29	1.00000	mg/Kg	134214		11/12/04 2031	san
	2-Nitrotoluene, Solid	0.19	U		0.047	0.19	1.00000	mg/Kg	134214		11/12/04 2031	san
	4-Nitrotoluene, Solid	0.19	U		0.049	0.19	1.00000	mg/Kg	134214		11/12/04 2031	san
	3-Nitrotoluene, Solid	0.19	U		0.052	0.19	1.00000	mg/Kg	134214		11/12/04 2031	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP T4 ADCS

ATTN: Eric Ellis

Customer Sample ID: WSAss-007M-S0
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 10:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-9
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	88.9			0.10	0.10	1	%	132702		10/29/04 2349	clb
	% Moisture, Solid	11.1			0.10	0.10	1	%	132702		10/29/04 2349	clb
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	133152		11/03/04 1934	daj
7841	Thallium (GFAA) Thallium, Solid*	0.31		B	0.20	0.64	1	mg/Kg	133162		11/03/04 2245	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.026		B	0.0097	0.037	1	mg/Kg	133066		11/03/04 1508	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.6	17	1	mg/Kg	133264		11/04/04 1702	tds
	Barium, Solid*	52			0.18	1.1	1	mg/Kg	133264		11/04/04 1702	tds
	Arsenic, Solid*	18			0.56	1.7	1	mg/Kg	133264		11/04/04 1702	tds
	Beryllium, Solid*	0.81			0.049	0.44	1	mg/Kg	133264		11/04/04 1702	tds
	Cadmium, Solid*	0.55		U	0.18	0.55	2	mg/Kg	133382		11/05/04 1554	tds
	Calcium, Solid*	1200			3.4	11	1	mg/Kg	133264		11/04/04 1702	tds
	Chromium, Solid*	24			0.24	1.1	1	mg/Kg	133264		11/04/04 1702	tds
	Cobalt, Solid*	12			0.15	0.55	1	mg/Kg	133264		11/04/04 1702	tds
	Copper, Solid*	20			0.99	3.3	1	mg/Kg	133264		11/04/04 1702	tds
	Iron, Solid*	29000			3.3	11	1	mg/Kg	133264		11/04/04 1702	tds
	Magnesium, Solid*	3200			1.9	11	1	mg/Kg	133264		11/04/04 1702	tds
	Manganese, Solid*	300			0.14	1.1	1	mg/Kg	133264		11/04/04 1702	tds
	Nickel, Solid*	26			0.28	1.1	1	mg/Kg	133264		11/04/04 1702	tds
	Lead, Solid*	22			0.47	1.7	1	mg/Kg	133264		11/04/04 1702	tds
	Potassium, Solid*	1200			15	55	1	mg/Kg	133264		11/04/04 1702	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: HGM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-007M-SD Date Sampled.....: 10/27/2004 Time Sampled.....: 10:10 Sample Matrix.....: Soil			Laboratory Sample ID: 231493-9 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.7	U		0.44	1.7	1	mg/Kg	133264		11/04/04 1702	tds
	Silver, Solid*	1.1	U		0.34	1.1	1	mg/Kg	133264		11/04/04 1702	tds
	Sodium, Solid*	340			96	330	1	mg/Kg	133264		11/04/04 1702	tds
	Vanadium, Solid*	20			0.23	1.1	1	mg/Kg	133264		11/04/04 1702	tds
	Zinc, Solid*	68			0.44	2.2	1	mg/Kg	133264		11/04/04 1702	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: WSAss-007M-SO
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 10:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231493-9
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134057		11/05/04 1346	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134057		11/05/04 1346	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134057		11/05/04 1346	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134057		11/05/04 1346	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134057		11/05/04 1346	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134057		11/05/04 1346	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134057		11/05/04 1346	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134057		11/05/04 1346	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134057		11/05/04 1346	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134057		11/05/04 1346	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134057		11/05/04 1346	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134057		11/05/04 1346	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134057		11/05/04 1346	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134057		11/05/04 1346	san

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Elliotts						
Customer Sample ID: WSAss-008M-SO Date Sampled.....: 10/29/2004 Time Sampled.....: 10:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-5 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.0			0.10	0.10	1	%	132968		11/02/04 2210	clb
	% Moisture, Solid	2.0			0.10	0.10	1	%	132968		11/02/04 2210	clb
7041	Antimony (GFAA) Antimony, Solid*	0.52		B	0.42	1.3	1	mg/Kg	133656		11/08/04 1139	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58		U	0.18	0.58	1	mg/Kg	133645		11/09/04 0909	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	2.0			0.044	0.17	10	mg/Kg	133601		11/08/04 1610	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			2.3	14	1	mg/Kg	133744		11/09/04 1633	tds
	Barium, Solid*	56			0.15	0.96	1	mg/Kg	133744		11/09/04 1633	tds
	Arsenic, Solid*	14			0.49	1.4	1	mg/Kg	133744		11/09/04 1633	tds
	Beryllium, Solid*	0.69			0.042	0.39	1	mg/Kg	133744		11/09/04 1633	tds
	Cadmium, Solid*	0.24		U	0.077	0.24	1	mg/Kg	133744		11/09/04 1633	tds
	Calcium, Solid*	1300			3.0	9.6	1	mg/Kg	133744		11/09/04 1633	tds
	Chromium, Solid*	18			0.21	0.96	1	mg/Kg	133744		11/09/04 1633	tds
	Cobalt, Solid*	11			0.13	0.48	1	mg/Kg	133744		11/09/04 1633	tds
	Copper, Solid*	19			0.87	2.9	1	mg/Kg	133744		11/09/04 1633	tds
	Iron, Solid*	26000		H	2.9	9.6	1	mg/Kg	133744		11/09/04 1633	tds
	Magnesium, Solid*	3000			1.6	9.6	1	mg/Kg	133744		11/09/04 1633	tds
	Manganese, Solid*	290			0.13	0.96	1	mg/Kg	133744		11/09/04 1633	tds
	Nickel, Solid*	25			0.24	0.96	1	mg/Kg	133744		11/09/04 1633	tds
	Lead, Solid*	40			0.41	1.4	1	mg/Kg	133744		11/09/04 1633	tds
	Potassium, Solid*	1200			13	48	1	mg/Kg	133744		11/09/04 1633	tds

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVARP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-008M-S0 Date Sampled.....: 10/29/2004 Time Sampled.....: 10:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-5 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4	U		0.39	1.4	1	mg/Kg	133744		11/09/04 1633	tds
	Silver, Solid*	0.96	U		0.30	0.96	1	mg/Kg	133744		11/09/04 1633	tds
	Sodium, Solid*	260	B		83	290	1	mg/Kg	133744		11/09/04 1633	tds
	Vanadium, Solid*	17			0.20	0.96	1	mg/Kg	133744		11/09/04 1633	tds
	Zinc, Solid*	82			0.39	1.9	1	mg/Kg	133744		11/09/04 1633	tds

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/15/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: WSAss-002M-SO Date Sampled.....: 10/29/2004 Time Sampled.....: 10:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-5 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	ADL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134334		11/04/04 2324	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134334		11/04/04 2324	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134334		11/04/04 2324	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134334		11/04/04 2324	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134334		11/04/04 2324	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/04/04 2324	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/04/04 2324	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134334		11/04/04 2324	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134334		11/04/04 2324	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134334		11/04/04 2324	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134334		11/04/04 2324	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/04/04 2324	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/04/04 2324	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/04/04 2324	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSAss-009M-SO
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-13
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.5			0.10	0.10	1	%	132968		11/02/04 2236	clb
	% Moisture, Solid	1.5			0.10	0.10	1	%	132968		11/02/04 2236	clb
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.40	1.3	1	mg/Kg	133763		11/09/04 1429	daj
7841	Thallium (GFAA) Thallium, Solid*	0.54		U	0.17	0.54	1	mg/Kg	133798		11/09/04 1641	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	1.4			0.044	0.17	10	mg/Kg	133601		11/08/04 1615	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.4	15	1	mg/Kg	133744		11/09/04 1749	tds
	Barium, Solid*	55			0.16	1.0	1	mg/Kg	133744		11/09/04 1749	tds
	Arsenic, Solid*	16			0.51	1.5	1	mg/Kg	133744		11/09/04 1749	tds
	Beryllium, Solid*	0.71			0.044	0.40	1	mg/Kg	133744		11/09/04 1749	tds
	Cadmium, Solid*	0.25		U	0.080	0.25	1	mg/Kg	133744		11/09/04 1749	tds
	Calcium, Solid*	1300			3.1	10	1	mg/Kg	133744		11/09/04 1749	tds
	Chromium, Solid*	18			0.22	1.0	1	mg/Kg	133744		11/09/04 1749	tds
	Cobalt, Solid*	12			0.14	0.50	1	mg/Kg	133744		11/09/04 1749	tds
	Copper, Solid*	18			0.90	3.0	1	mg/Kg	133744		11/09/04 1749	tds
	Iron, Solid*	27000		H	3.0	10	1	mg/Kg	133744		11/09/04 1749	tds
	Magnesium, Solid*	3100			1.7	10	1	mg/Kg	133744		11/09/04 1749	tds
	Manganese, Solid*	350			0.13	1.0	1	mg/Kg	133744		11/09/04 1749	tds
	Nickel, Solid*	26			0.25	1.0	1	mg/Kg	133744		11/09/04 1749	tds
	Lead, Solid*	46			0.43	1.5	1	mg/Kg	133744		11/09/04 1749	tds
	Potassium, Solid*	1100			14	50	1	mg/Kg	133744		11/09/04 1749	tds

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RWAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-009M-SO Date Sampled.....: 10/29/2004 Time Sampled.....: 10:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-13 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5		U	0.40	1.5	1	mg/Kg	133744		11/09/04 1749	tds
	Silver, Solid*	1.0		U	0.31	1.0	1	mg/Kg	133744		11/09/04 1749	tds
	Sodium, Solid*	260		B	87	300	1	mg/Kg	133744		11/09/04 1749	tds
	Vanadium, Solid*	18			0.21	1.0	1	mg/Kg	133744		11/09/04 1749	tds
	Zinc, Solid*	95			0.40	2.0	1	mg/Kg	133744		11/09/04 1749	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 A0ES

ATTN: Eric Ellis

Customer Sample ID: WSAss-009M-SO
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-13
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134334		11/05/04 0439	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134334		11/05/04 0439	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134334		11/05/04 0439	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134334		11/05/04 0439	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134334		11/05/04 0439	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134334		11/05/04 0439	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0439	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134334		11/05/04 0439	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0439	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134334		11/05/04 0439	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134334		11/05/04 0439	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134334		11/05/04 0439	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0439	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0439	san

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RMAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-010M-SO Date Sampled.....: 10/28/2004 Time Sampled.....: 09:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-7 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.0			0.10	0.10	1	%	132968		11/02/04 2216	clb
	% Moisture, Solid	2.0			0.10	0.10	1	%	132968		11/02/04 2216	clb
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.41	1.3	1	mg/Kg	133656		11/08/04 1210	daj
7841	Thallium (GFAA) Thallium, Solid*	0.56		U	0.18	0.56	1	mg/Kg	133645		11/09/04 0947	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	2.1			0.044	0.17	10	mg/Kg	133601		11/08/04 1612	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9500			2.3	14	1	mg/Kg	133744		11/09/04 1646	tds
	Barium, Solid*	51			0.15	0.96	1	mg/Kg	133744		11/09/04 1646	tds
	Arsenic, Solid*	14			0.49	1.4	1	mg/Kg	133744		11/09/04 1646	tds
	Beryllium, Solid*	0.61			0.042	0.38	1	mg/Kg	133744		11/09/04 1646	tds
	Cadmium, Solid*	0.24		U	0.077	0.24	1	mg/Kg	133744		11/09/04 1646	tds
	Calcium, Solid*	1600			3.0	9.6	1	mg/Kg	133744		11/09/04 1646	tds
	Chromium, Solid*	16			0.21	0.96	1	mg/Kg	133744		11/09/04 1646	tds
	Cobalt, Solid*	9.6			0.13	0.48	1	mg/Kg	133744		11/09/04 1646	tds
	Copper, Solid*	19			0.87	2.9	1	mg/Kg	133744		11/09/04 1646	tds
	Iron, Solid*	23000			2.9	9.6	1	mg/Kg	133744		11/09/04 1646	tds
	Magnesium, Solid*	2600			1.6	9.6	1	mg/Kg	133744		11/09/04 1646	tds
	Manganese, Solid*	320			0.13	0.96	1	mg/Kg	133744		11/09/04 1646	tds
	Nickel, Solid*	23			0.24	0.96	1	mg/Kg	133744		11/09/04 1646	tds
	Lead, Solid*	50			0.41	1.4	1	mg/Kg	133744		11/09/04 1646	tds
Potassium, Solid*	1100				13	48	1	mg/Kg	133744		11/09/04 1646	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579 Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: WSAss-010M-SO Laboratory Sample ID: 231579-7
 Date Sampled.....: 10/28/2004 Date Received.....: 11/02/2004
 Time Sampled.....: 09:55 Time Received.....: 08:40
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4	U		0.38	1.4	1	mg/Kg	133744		11/09/04 1646	tds
	Silver, Solid*	0.96	U		0.30	0.96	1	mg/Kg	133744		11/09/04 1646	tds
	Sodium, Solid*	250	B		83	290	1	mg/Kg	133744		11/09/04 1646	tds
	Vanadium, Solid*	16			0.20	0.96	1	mg/Kg	133744		11/09/04 1646	tds
	Zinc, Solid*	99			0.38	1.9	1	mg/Kg	133744		11/09/04 1646	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSAss-010M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 09:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-7
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMx, Solid	0.20	U	0.056	0.20	1.00000	mg/Kg	134334		11/05/04 0051	san
	RDX, Solid	0.20	U	0.063	0.20	1.00000	mg/Kg	134334		11/05/04 0051	san
	1,3,5-Trinitrobenzene, Solid	0.10	U	0.033	0.10	1.00000	mg/Kg	134334		11/05/04 0051	san
	1,3-Dinitrobenzene, Solid	0.10	U	0.023	0.10	1.00000	mg/Kg	134334		11/05/04 0051	san
	Nitrobenzene, Solid	0.10	U	0.021	0.10	1.00000	mg/Kg	134334		11/05/04 0051	san
	2,4,6-TNT, Solid	0.10	U	0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0051	san
	Tetryl, Solid	0.40	U	0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0051	san
	2,4-Dinitrotoluene, Solid	0.10	U	0.026	0.10	1.00000	mg/Kg	134334		11/05/04 0051	san
	2,6-Dinitrotoluene, Solid	0.20	U	0.049	0.20	1.00000	mg/Kg	134334		11/05/04 0051	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U	0.045	0.20	1.00000	mg/Kg	134334		11/05/04 0051	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U	0.094	0.30	1.00000	mg/Kg	134334		11/05/04 0051	san
	2-Nitrotoluene, Solid	0.20	U	0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0051	san
	4-Nitrotoluene, Solid	0.20	U	0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0051	san
	3-Nitrotoluene, Solid	0.20	U	0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0051	san

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date:11/17/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE RVAAP 14 ADS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-011M-SO Date Sampled.....: 11/01/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231611-15 Date Received.....: 11/03/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.2			0.10	0.10	1	%	133223		11/04/04 2134	clb
	% Moisture, Solid	3.8			0.10	0.10	1	%	133223		11/04/04 2134	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	133656		11/09/04 0320	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	134082		11/10/04 1544	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.043			0.0045	0.017	1	mg/Kg	133831		11/09/04 1611	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.3	14	1	mg/Kg	133922		11/10/04 1510	tds
	Barium, Solid*	48			0.15	0.94	1	mg/Kg	133922		11/10/04 1510	tds
	Arsenic, Solid*	14			0.48	1.4	1	mg/Kg	133922		11/10/04 1510	tds
	Beryllium, Solid*	0.62			0.041	0.38	1	mg/Kg	133922		11/10/04 1510	tds
	Cadmium, Solid*	0.23		U	0.075	0.23	1	mg/Kg	133922		11/10/04 1510	tds
	Calcium, Solid*	750			2.9	9.4	1	mg/Kg	133922		11/10/04 1510	tds
	Chromium, Solid*	19			0.21	0.94	1	mg/Kg	133922		11/10/04 1510	tds
	Cobalt, Solid*	8.9			0.13	0.47	1	mg/Kg	133922		11/10/04 1510	tds
	Copper, Solid*	16			0.84	2.8	1	mg/Kg	133922		11/10/04 1510	tds
	Iron, Solid*	23000			2.8	9.4	1	mg/Kg	133922		11/10/04 1510	tds
	Magnesium, Solid*	2400			1.6	9.4	1	mg/Kg	133922		11/10/04 1510	tds
	Manganese, Solid*	390			0.12	0.94	1	mg/Kg	133922		11/10/04 1510	tds
	Nickel, Solid*	19			0.23	0.94	1	mg/Kg	133922		11/10/04 1510	tds
	Lead, Solid*	18			0.40	1.4	1	mg/Kg	133922		11/10/04 1510	tds
	Potassium, Solid*	1200			13	47	1	mg/Kg	133922		11/10/04 1510	tds

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/17/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-011M-S0			Laboratory Sample ID: 231611-15									
Date Sampled.....: 11/01/2004			Date Received.....: 11/03/2004									
Time Sampled.....: 09:20			Time Received.....: 09:10									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4	U		0.38	1.4	1	mg/Kg	133922		11/10/04 1510	tds
	Silver, Solid*	0.94	U		0.29	0.94	1	mg/Kg	133922		11/10/04 1510	tds
	Sodium, Solid*	280			81	280	1	mg/Kg	133922		11/10/04 1510	tds
	Vanadium, Solid*	20			0.20	0.94	1	mg/Kg	133922		11/10/04 1510	tds
	Zinc, Solid*	57			0.38	1.9	1	mg/Kg	133922		11/10/04 1510	tds

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-011M-S0 Date Sampled.....: 11/01/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231611-15 Date Received.....: 11/03/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	ADL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
B081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	1.7	U		0.16	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	beta-BHC, 3541 Solid*	3.4			0.15	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	delta-BHC, 3541 Solid*	1.7	U		0.11	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	gamma-BHC (Lindane), 3541 Solid*	1.7	U		0.23	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Heptachlor, 3541 Solid*	1.7	U		0.18	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Aldrin, 3541 Solid*	1.7	U		0.13	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Heptachlor epoxide, 3541 Solid*	1.7	U		0.14	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Endosulfan I, 3541 Solid*	1.7	U		0.27	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Dieldrin, 3541 Solid*	1.7	U		0.34	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	4,4'-DDE, 3541 Solid*	2.0	U		0.64	2.0	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Endrin, 3541 Solid*	1.7	U		0.43	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Endosulfan II, 3541 Solid*	1.7	U		0.28	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	4,4'-DDD, 3541 Solid*	1.7	U		0.36	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Endosulfan sulfate, 3541 Solid*	1.7	U		0.29	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	4,4'-DDT, 3541 Solid*	1.7	U		0.37	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Methoxychlor, 3541 Solid*	8.2	U		2.3	8.2	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	alpha-Chlordane, 3541 Solid*	1.7	U		0.12	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	gamma-Chlordane, 3541 Solid*	1.7	U		0.15	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Endrin aldehyde, 3541 Solid*	1.7	U		0.33	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Endrin ketone, 3541 Solid*	1.7	U		0.29	1.7	1.00000	ug/Kg	135505		11/24/04 1117	pjg
	Toxaphene, 3541 Solid*	17	U		4.6	17	1.00000	ug/Kg	135505		11/24/04 1117	pjg
Method	% Solids Determination											
	% Solids, Solid	96.2			0.10	0.10	1	%	133223		11/04/04 2134	clb
	% Moisture, Solid	3.8			0.10	0.10	1	%	133223		11/04/04 2134	clb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231611 Date: 11/24/2004

CUSTOMER: MKN Engineers, Inc. PROJECT: USACE RMAAP IA AGCS ATTN: Eric Ellis

Customer Sample ID: WSAss-011M-SO Laboratory Sample ID: 231611-15
 Date Sampled.....: 11/01/2004 Date Received.....: 11/03/2004
 Time Sampled.....: 09:20 Time Received.....: 09:10
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	33	U		8.8	33	1.00000	ug/Kg	135460		11/23/04 0602	bjt
	Aroclor 1221, 3541 Solid*	33	U		4.6	33	1.00000	ug/Kg	135460		11/23/04 0602	bjt
	Aroclor 1232, 3541 Solid*	17	U		4.5	17	1.00000	ug/Kg	135460		11/23/04 0602	bjt
	Aroclor 1242, 3541 Solid*	33	U		4.8	33	1.00000	ug/Kg	135460		11/23/04 0602	bjt
	Aroclor 1248, 3541 Solid*	17	U		3.7	17	1.00000	ug/Kg	135460		11/23/04 0602	bjt
	Aroclor 1254, 3541 Solid*	33	U		4.5	33	1.00000	ug/Kg	135460		11/23/04 0602	bjt
	Aroclor 1260, 3541 Solid*	33	U		13	33	1.00000	ug/Kg	135460		11/23/04 0602	bjt
Method	% Solids Determination											
	% Solids, Solid	96.2			0.10	0.10	1	%	133223		11/04/04 2134	clb
	% Moisture, Solid	3.8			0.10	0.10	1	%	133223		11/04/04 2134	clb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: WSAs-011D-50
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-19
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	82.6			0.10	0.10	1	%	132968		11/02/04 2256	ctb
	% Moisture, Solid	17.4			0.10	0.10	1	%	132968		11/02/04 2256	ctb
8260B	Volatile Organics											
	Chloromethane, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Vinyl chloride, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Bromomethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Chloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Carbon disulfide, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Acetone, Solid*	18	U		5.6	18	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Methylene chloride, Solid*	12	U		3.5	12	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	trans-1,2-Dichloroethene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,1-Dichloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	cis-1,2-Dichloroethene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	2-Butanone (MEK), Solid*	18	U		4.7	18	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Bromochloromethane, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Chloroform, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,1,1-Trichloroethane, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Carbon tetrachloride, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Benzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,2-Dichloroethane, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Trichloroethene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,2-Dichloropropane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Bromodichloromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	cis-1,3-Dichloropropene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	12	U		1.2	12	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Toluene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: WSAAss-011D-S0
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-19
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.1	U		0.96	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,1,2-Trichloroethane, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Tetrachloroethene, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	2-Hexanone, Solid*	12	U		1.3	12	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Dibromochloromethane, Solid*	6.1	U		0.96	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,2-Dibromoethane (EDB), Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Chlorobenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Ethylbenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	m&p-Xylenes, Solid*	12	U		2.8	12	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	o-Xylene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Styrene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Bromoform, Solid*	6.1	U		0.91	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	1,2-Dichloroethene (total), Solid*	12	U		2.5	12	1.00000	ug/Kg	133782		11/09/04 2036	jdj
	Xylenes (total), Solid*	12	U		4.1	12	1.00000	ug/Kg	133782		11/09/04 2036	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: WSAs-011M-SO
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231611-15
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, 3541 Low Solid*	170	U		7.3	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	69	U		9.2	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	170	U		15	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Benzyl alcohol, 3541 Low Solid*	690	U		76	690	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	69	U		11	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	69	U		14	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Hexachloroethane, 3541 Low Solid*	170	U		8.9	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	69	U		12	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2-Chlorophenol, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Nitrobenzene, 3541 Low Solid*	34	U		8.9	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	69	U		9.1	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Benzoic acid, 3541 Low Solid*	690	U	*	200	690	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Isophorone, 3541 Low Solid*	170	U		20	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	340	U		17	340	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Hexachlorobutadiene, 3541 Low Solid*	170	U		9.3	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Naphthalene, 3541 Low Solid*	34	U		8.7	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	340	U		16	340	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	4-Chloroaniline, 3541 Low Solid*	690	U		56	690	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	170	U		39	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	340	U		46	340	1.00000	ug/Kg	135522		11/25/04 0111	dpk
Hexachlorocyclopentadiene, 3541 Low Solid*	1000	U		320	1000	1.00000	ug/Kg	135522		11/25/04 0111	dpk	
2-Methylnaphthalene, 3541 Low Solid*	34	U		10	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk	
2-Nitroaniline, 3541 Low Solid*	170	U		11	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk	
2-Chloronaphthalene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk	

* In Description = Dry Wgt.

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Job Number: 231611 LABORATORY TEST RESULTS Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 ADCS ATTN: Eric Ellis

Customer Sample ID: WSass-011M-SO
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231611-15
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	340	U		36	340	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	34	U		9.5	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2-Nitrophenol, 3541 Low Solid*	340	U		15	340	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	3-Nitroaniline, 3541 Low Solid*	690	U		140	690	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Dimethyl phthalate, 3541 Low Solid*	69	U		9.2	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	690	U		110	690	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Acenaphthylene, 3541 Low Solid*	34	U		8.6	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Acenaphthene, 3541 Low Solid*	34	U		8.6	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Dibenzofuran, 3541 Low Solid*	69	U		9.1	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	4-Nitrophenol, 3541 Low Solid*	690	U		220	690	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Fluorene, 3541 Low Solid*	34	U		9.3	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	4-Nitroaniline, 3541 Low Solid*	690	U		46	690	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	170	U		10	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Hexachlorobenzene, 3541 Low Solid*	34	U		9.8	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Diethyl phthalate, 3541 Low Solid*	69	U		9.8	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	170	U		10	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Pentachlorophenol, 3541 Low Solid*	340	U		110	340	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	690	U		170	690	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Phenanthrene, 3541 Low Solid*	52	U		16	52	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Anthracene, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Carbazole, 3541 Low Solid*	170	U		12	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	170	U		12	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Fluoranthene, 3541 Low Solid*	24	J		11	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Pyrene, 3541 Low Solid*	16	J		12	52	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	69	U		11	69	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Benzo(a)anthracene, 3541 Low Solid*	34	U		10	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Chrysene, 3541 Low Solid*	15	J		11	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS					Date: 11/29/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: WSAss-011M-SO Date Sampled.....: 11/01/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231611-15 Date Received.....: 11/03/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	170	U		15	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	170	U		33	170	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	340	U		11	340	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	19	J		9.2	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	34	U		9.7	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Benzo(a)pyrene, 3541 Low Solid*	12	J		9.8	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	34	U		9.8	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	135522		11/25/04 0111	dpk
Method	% Solids Determination											
	% Solids, Solid	96.2			0.10	0.10	1	%	133223		11/04/04 2134	clb
	% Moisture, Solid	3.8			0.10	0.10	1	%	133223		11/04/04 2134	clb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 MOCS

ATTN: Eric Ells

Customer Sample ID: WSAss-011N-SO
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231611-15
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20		U	0.056	0.20	1.00000	mg/Kg	134567		11/07/04 0120	san
	RDX, Solid	0.20		U	0.063	0.20	1.00000	mg/Kg	134567		11/07/04 0120	san
	1,3,5-Trinitrobenzene, Solid	0.10		U	0.033	0.10	1.00000	mg/Kg	134567		11/07/04 0120	san
	1,3-Dinitrobenzene, Solid	0.10		U	0.023	0.10	1.00000	mg/Kg	134567		11/07/04 0120	san
	Nitrobenzene, Solid	0.10		U	0.021	0.10	1.00000	mg/Kg	134567		11/07/04 0120	san
	2,4,6-TNT, Solid	0.10		U	0.024	0.10	1.00000	mg/Kg	134567		11/07/04 0120	san
	Tetryl, Solid	0.40		U	0.12	0.40	1.00000	mg/Kg	134567		11/07/04 0120	san
	2,4-Dinitrotoluene, Solid	0.10		U	0.026	0.10	1.00000	mg/Kg	134567		11/07/04 0120	san
	2,6-Dinitrotoluene, Solid	0.20		U	0.049	0.20	1.00000	mg/Kg	134567		11/07/04 0120	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20		U	0.045	0.20	1.00000	mg/Kg	134567		11/07/04 0120	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30		U	0.094	0.30	1.00000	mg/Kg	134567		11/07/04 0120	san
	2-Nitrotoluene, Solid	0.20		U	0.048	0.20	1.00000	mg/Kg	134567		11/07/04 0120	san
	4-Nitrotoluene, Solid	0.20		U	0.050	0.20	1.00000	mg/Kg	134567		11/07/04 0120	san
3-Nitrotoluene, Solid	0.20		U	0.053	0.20	1.00000	mg/Kg	134567		11/07/04 0120	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	0.50		U	0.12	0.50	1.00000	mg/Kg	134573		11/09/04 1717	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: WSAAss-011M-SO

Trace Level Organic Compounds

Lot-Sample #...: G4K030251-006 Work Order #...: GV5W21AA Matrix.....: SOLID
Date Sampled...: 11/01/04 09:20 Date Received...: 11/03/04
Prep Date.....: 11/08/04 Analysis Date...: 11/10/04
Prep Batch #...: 4313426
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	0.25	mg/kg	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: WSASS-011M-SO

General Chemistry

Lot-Sample #...: G4K030251-006 Work Order #...: GV5W2 Matrix.....: SOLID
Date Sampled...: 11/01/04 Date Received...: 11/03/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrocellulose	1.1 B	2.0	mg/kg	MCAWW 353.2	11/09-11/12/04	4314547
			MDL.....: 0.57			

NOTE(S) :

- RL Reporting Limit
- B Estimated result. Result is less than RL.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 ADCS				ATTN: Epic Ellis					
Customer Sample ID: WSass-012M-SO Date Sampled.....: 10/29/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-11 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MGL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.7			0.10	0.10	1	%	132968		11/02/04 2229	clb
	% Moisture, Solid	1.3			0.10	0.10	1	%	132968		11/02/04 2229	clb
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.42	1.3	1	mg/Kg	133656		11/08/04 1300	daj
7841	Thallium (GFAA) Thallium, Solid*	0.57		U	0.18	0.57	1	mg/Kg	133645		11/08/04 2308	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.046			0.0044	0.017	1	mg/Kg	133601		11/08/04 1526	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8400			2.1	13	1	mg/Kg	133744		11/09/04 1711	tds
	Barium, Solid*	45			0.14	0.89	1	mg/Kg	133744		11/09/04 1711	tds
	Arsenic, Solid*	11			0.46	1.3	1	mg/Kg	133744		11/09/04 1711	tds
	Beryllium, Solid*	0.50			0.039	0.36	1	mg/Kg	133744		11/09/04 1711	tds
	Cadmium, Solid*	0.22		U	0.071	0.22	1	mg/Kg	133744		11/09/04 1711	tds
	Calcium, Solid*	1300			2.8	8.9	1	mg/Kg	133744		11/09/04 1711	tds
	Chromium, Solid*	18			0.20	0.89	1	mg/Kg	133744		11/09/04 1711	tds
	Cobalt, Solid*	6.6			0.13	0.45	1	mg/Kg	133744		11/09/04 1711	tds
	Copper, Solid*	16			0.80	2.7	1	mg/Kg	133744		11/09/04 1711	tds
	Iron, Solid*	17000		H	2.7	8.9	1	mg/Kg	133744		11/09/04 1711	tds
	Magnesium, Solid*	1800			1.5	8.9	1	mg/Kg	133744		11/09/04 1711	tds
	Manganese, Solid*	330			0.12	0.89	1	mg/Kg	133744		11/09/04 1711	tds
	Nickel, Solid*	18			0.22	0.89	1	mg/Kg	133744		11/09/04 1711	tds
	Lead, Solid*	17			0.38	1.3	1	mg/Kg	133744		11/09/04 1711	tds
	Potassium, Solid*	740			12	45	1	mg/Kg	133744		11/09/04 1711	tds

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AGDS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-012M-S0 Date Sampled.....: 10/29/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-11 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.3		U	0.36	1.3	1	mg/Kg	133744		11/09/04 1711	tds
	Silver, Solid*	0.89		U	0.28	0.89	1	mg/Kg	133744		11/09/04 1711	tds
	Sodium, Solid*	200		B	77	270	1	mg/Kg	133744		11/09/04 1711	tds
	Vanadium, Solid*	15			0.19	0.89	1	mg/Kg	133744		11/09/04 1711	tds
	Zinc, Solid*	56			0.36	1.8	1	mg/Kg	133744		11/09/04 1711	tds

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS							Date: 11/15/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACCS				ATTN: Eric Ellis					
Customer Sample ID: WSass-012M-S0 Date Sampled.....: 10/29/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-11 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLACS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMx, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134334		11/05/04 0301	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134334		11/05/04 0301	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134334		11/05/04 0301	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0301	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134334		11/05/04 0301	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0301	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0301	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134334		11/05/04 0301	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134334		11/05/04 0301	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134334		11/05/04 0301	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134334		11/05/04 0301	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0301	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0301	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0301	san

* In Description = Dry Wgt.

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Job Number: 231611 LABORATORY TEST RESULTS Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 ADCS ATTN: Eric Ellis

Customer Sample ID: WSAss-013M-SO
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231611-24
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.4			0.10	0.10	1	%	133222		11/04/04 2017	clb
	% Moisture, Solid	1.6			0.10	0.10	1	%	133222		11/04/04 2017	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	133763		11/09/04 1929	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	134082		11/11/04 0033	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.019			0.0044	0.017	1	mg/Kg	133831		11/09/04 1640	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.3	14	1	mg/Kg	133922		11/10/04 1655	tds
	Barium, Solid*	45			0.15	0.96	1	mg/Kg	133922		11/10/04 1655	tds
	Arsenic, Solid*	17			0.49	1.4	1	mg/Kg	133922		11/10/04 1655	tds
	Beryllium, Solid*	0.64			0.042	0.38	1	mg/Kg	133922		11/10/04 1655	tds
	Cadmium, Solid*	0.24		U	0.077	0.24	1	mg/Kg	133922		11/10/04 1655	tds
	Calcium, Solid*	830			3.0	9.6	1	mg/Kg	133922		11/10/04 1655	tds
	Chromium, Solid*	19			0.21	0.96	1	mg/Kg	133922		11/10/04 1655	tds
	Cobalt, Solid*	10			0.13	0.48	1	mg/Kg	133922		11/10/04 1655	tds
	Copper, Solid*	21			0.86	2.9	1	mg/Kg	133922		11/10/04 1655	tds
	Iron, Solid*	27000			2.9	9.6	1	mg/Kg	133922		11/10/04 1655	tds
	Magnesium, Solid*	2900			1.6	9.6	1	mg/Kg	133922		11/10/04 1655	tds
	Manganese, Solid*	290			0.12	0.96	1	mg/Kg	133922		11/10/04 1655	tds
	Nickel, Solid*	22			0.24	0.96	1	mg/Kg	133922		11/10/04 1655	tds
	Lead, Solid*	14			0.41	1.4	1	mg/Kg	133922		11/10/04 1655	tds
	Potassium, Solid*	1300			13	48	1	mg/Kg	133922		11/10/04 1655	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231611								Date: 11/17/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: WSAss-013M-S0 Date Sampled.....: 10/29/2004 Time Sampled.....: 08:50 Sample Matrix.....: Soil						Laboratory Sample ID: 231611-24 Date Received.....: 11/03/2004 Time Received.....: 09:10						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	D	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4		U	0.38	1.4	1	mg/Kg	133922		11/10/04 1655	tds
	Silver, Solid*	0.96		U	0.30	0.96	1	mg/Kg	133922		11/10/04 1655	tds
	Sodium, Solid*	290		B	83	290	1	mg/Kg	133922		11/10/04 1655	tds
	Vanadium, Solid*	19			0.20	0.96	1	mg/Kg	133922		11/10/04 1655	tds
	Zinc, Solid*	61			0.38	1.9	1	mg/Kg	133922		11/10/04 1655	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSass-013M-S0
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231611-24
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	RMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134571		11/07/04 0855	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134571		11/07/04 0855	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134571		11/07/04 0855	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134571		11/07/04 0855	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134571		11/07/04 0855	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134571		11/07/04 0855	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134571		11/07/04 0855	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134571		11/07/04 0855	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134571		11/07/04 0855	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134571		11/07/04 0855	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134571		11/07/04 0855	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134571		11/07/04 0855	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134571		11/07/04 0855	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134571		11/07/04 0855	san

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSass-014M-SO Date Sampled: 10/27/2004 Time Sampled: 11:50 Sample Matrix: Soil			Laboratory Sample ID: 231542-15 Date Received: 10/30/2004 Time Received: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.4			0.10	0.10	1	%	132836		11/01/04 1430	daj
	% Moisture, Solid	7.6			0.10	0.10	1	%	132836		11/01/04 1430	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4	U		0.45	1.4	1	mg/Kg	133349		11/04/04 2353	daj
7841	Thallium (GFAA) Thallium, Solid*	0.26	B		0.20	0.62	1	mg/Kg	133347		11/04/04 1935	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.030			0.0047	0.018	1	mg/Kg	133337		11/04/04 1544	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.5	16	1	mg/Kg	133493		11/06/04 1601	tds
	Barium, Solid*	54			0.17	1.0	1	mg/Kg	133493		11/06/04 1601	tds
	Arsenic, Solid*	15			0.53	1.6	1	mg/Kg	133493		11/06/04 1601	tds
	Beryllium, Solid*	0.66			0.046	0.42	1	mg/Kg	133493		11/06/04 1601	tds
	Cadmium, Solid*	0.52	U		0.17	0.52	2	mg/Kg	133604		11/08/04 1427	tds
	Calcium, Solid*	1100		H	3.2	10	1	mg/Kg	133493		11/06/04 1601	tds
	Chromium, Solid*	20			0.23	1.0	1	mg/Kg	133493		11/06/04 1601	tds
	Cobalt, Solid*	10			0.15	0.52	1	mg/Kg	133493		11/06/04 1601	tds
	Copper, Solid*	19			0.94	3.1	1	mg/Kg	133493		11/06/04 1601	tds
	Iron, Solid*	24000		H	3.1	10	1	mg/Kg	133493		11/06/04 1601	tds
	Magnesium, Solid*	2900			1.8	10	1	mg/Kg	133493		11/06/04 1601	tds
	Manganese, Solid*	330			0.14	1.0	1	mg/Kg	133493		11/06/04 1601	tds
	Nickel, Solid*	25			0.26	1.0	1	mg/Kg	133493		11/06/04 1601	tds
	Lead, Solid*	14			0.45	1.6	1	mg/Kg	133493		11/06/04 1601	tds
	Potassium, Solid*	1200			14	52	1	mg/Kg	133493		11/06/04 1601	tds

* In Description = Dry Wgt.

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Job Number: 231542 LABORATORY TEST RESULTS Date: 11/29/2004

CUSTOMER: RKM Engineers, Inc. PROJECT: USACE RVAAP 14 ADCS ATTN: Eric Ellis

Customer Sample ID: WSAss-014M-S0
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 11:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-15
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6	U		0.42	1.6	1	mg/Kg	133493		11/06/04 1601	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	133493		11/06/04 1601	tds
	Sodium, Solid*	340			90	310	1	mg/Kg	133493		11/06/04 1601	tds
	Vanadium, Solid*	17			0.22	1.0	1	mg/Kg	133493		11/06/04 1601	tds
	Zinc, Solid*	57			0.42	2.1	1	mg/Kg	133493		11/06/04 1601	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 231542								Date: 11/13/2004			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis			
Customer Sample ID: WSAss-014M-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 11:50 Sample Matrix.....: Soil						Laboratory Sample ID: 231542-15 Date Received.....: 10/30/2004 Time Received.....: 11:15					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMX, Solid	0.19	U	0.055	0.19	1.00000	mg/Kg	134214		11/13/04 0302	san
	RDX, Solid	0.19	U	0.061	0.19	1.00000	mg/Kg	134214		11/13/04 0302	san
	1,3,5-Trinitrobenzene, Solid	0.097	U	0.032	0.097	1.00000	mg/Kg	134214		11/13/04 0302	san
	1,3-Dinitrobenzene, Solid	0.097	U	0.023	0.097	1.00000	mg/Kg	134214		11/13/04 0302	san
	Nitrobenzene, Solid	0.097	U	0.020	0.097	1.00000	mg/Kg	134214		11/13/04 0302	san
	2,4,6-TNT, Solid	0.097	U	0.023	0.097	1.00000	mg/Kg	134214		11/13/04 0302	san
	Tetryl, Solid	0.39	U	0.12	0.39	1.00000	mg/Kg	134214		11/13/04 0302	san
	2,4-Dinitrotoluene, Solid	0.097	U	0.025	0.097	1.00000	mg/Kg	134214		11/13/04 0302	san
	2,6-Dinitrotoluene, Solid	0.19	U	0.047	0.19	1.00000	mg/Kg	134214		11/13/04 0302	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.19	U	0.044	0.19	1.00000	mg/Kg	134214		11/13/04 0302	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U	0.092	0.29	1.00000	mg/Kg	134214		11/13/04 0302	san
	2-Nitrotoluene, Solid	0.19	U	0.047	0.19	1.00000	mg/Kg	134214		11/13/04 0302	san
	4-Nitrotoluene, Solid	0.19	U	0.049	0.19	1.00000	mg/Kg	134214		11/13/04 0302	san
	3-Nitrotoluene, Solid	0.19	U	0.052	0.19	1.00000	mg/Kg	134214		11/13/04 0302	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: NIG Engineers, Inc.

PROJECT: USACE RYARP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: WSAss-014M-DUP
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 11:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-8
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.9			0.10	0.10	1	%	132836		11/01/04 1417	daj
	% Moisture, Solid	8.1			0.10	0.10	1	%	132836		11/01/04 1417	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	133349		11/04/04 2222	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	133347		11/04/04 1754	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.022			0.0047	0.018	1	mg/Kg	133337		11/04/04 1521	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.5	15	1	mg/Kg	133493		11/06/04 1503	tds
	Barium, Solid*	57			0.17	1.0	1	mg/Kg	133493		11/06/04 1503	tds
	Arsenic, Solid*	16			0.53	1.5	1	mg/Kg	133493		11/06/04 1503	tds
	Beryllium, Solid*	0.70			0.045	0.41	1	mg/Kg	133493		11/06/04 1503	tds
	Cadmium, Solid*	0.52		U	0.17	0.52	2	mg/Kg	133604		11/08/04 1414	tds
	Calcium, Solid*	1100			3.2	10	1	mg/Kg	133493		11/06/04 1503	tds
	Chromium, Solid*	21			0.23	1.0	1	mg/Kg	133493		11/06/04 1503	tds
	Cobalt, Solid*	11			0.14	0.52	1	mg/Kg	133493		11/06/04 1503	tds
	Copper, Solid*	20			0.93	3.1	1	mg/Kg	133493		11/06/04 1503	tds
	Iron, Solid*	26000			3.1	10	1	mg/Kg	133493		11/06/04 1503	tds
	Magnesium, Solid*	3200			1.8	10	1	mg/Kg	133493		11/06/04 1503	tds
	Manganese, Solid*	330			0.13	1.0	1	mg/Kg	133493		11/06/04 1503	tds
	Nickel, Solid*	26			0.26	1.0	1	mg/Kg	133493		11/06/04 1503	tds
	Lead, Solid*	14			0.44	1.5	1	mg/Kg	133493		11/06/04 1503	tds
	Potassium, Solid*	1400			14	52	1	mg/Kg	133493		11/06/04 1503	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYARP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-014M-DUP Date Sampled.....: 10/27/2004 Time Sampled.....: 11:50 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-8 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.41	1.5	1	mg/Kg	133493		11/06/04 1503	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	133493		11/06/04 1503	tds
	Sodium, Solid*	380			90	310	1	mg/Kg	133493		11/06/04 1503	tds
	Vanadium, Solid*	19			0.22	1.0	1	mg/Kg	133493		11/06/04 1503	tds
	Zinc, Solid*	61			0.41	2.1	1	mg/Kg	133493		11/06/04 1503	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/13/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: WSAss-014M-DUP
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 11:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-8
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134214		11/12/04 2241	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134214		11/12/04 2241	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	134214		11/12/04 2241	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134214		11/12/04 2241	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134214		11/12/04 2241	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134214		11/12/04 2241	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134214		11/12/04 2241	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134214		11/12/04 2241	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/12/04 2241	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/12/04 2241	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134214		11/12/04 2241	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134214		11/12/04 2241	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134214		11/12/04 2241	san
3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134214		11/12/04 2241	san	

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 1A AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-015M-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 11:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-9 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.5			0.10	0.10	1	%	132836		11/01/04 1419	daj
	% Moisture, Solid	5.5			0.10	0.10	1	%	132836		11/01/04 1419	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	133349		11/04/04 2232	daj
7841	Thallium (GFAA) Thallium, Solid*	0.25		B	0.19	0.61	1	mg/Kg	133347		11/04/04 1806	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	1.4			0.046	0.17	10	mg/Kg	133337		11/04/04 1612	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.3	14	1	mg/Kg	133493		11/06/04 1509	tds
	Barium, Solid*	48			0.15	0.95	1	mg/Kg	133493		11/06/04 1509	tds
	Arsenic, Solid*	15			0.49	1.4	1	mg/Kg	133493		11/06/04 1509	tds
	Beryllium, Solid*	0.63			0.042	0.38	1	mg/Kg	133493		11/06/04 1509	tds
	Cadmium, Solid*	0.48		U	0.15	0.48	2	mg/Kg	133604		11/08/04 1421	tds
	Calcium, Solid*	1100		H	3.0	9.5	1	mg/Kg	133493		11/06/04 1509	tds
	Chromium, Solid*	26			0.21	0.95	1	mg/Kg	133493		11/06/04 1509	tds
	Cobalt, Solid*	9.9			0.13	0.48	1	mg/Kg	133493		11/06/04 1509	tds
	Copper, Solid*	19			0.86	2.9	1	mg/Kg	133493		11/06/04 1509	tds
	Iron, Solid*	25000		H	2.9	9.5	1	mg/Kg	133493		11/06/04 1509	tds
	Magnesium, Solid*	2800			1.6	9.5	1	mg/Kg	133493		11/06/04 1509	tds
	Manganese, Solid*	290			0.12	0.95	1	mg/Kg	133493		11/06/04 1509	tds
	Nickel, Solid*	26			0.24	0.95	1	mg/Kg	133493		11/06/04 1509	tds
	Lead, Solid*	17			0.41	1.4	1	mg/Kg	133493		11/06/04 1509	tds
	Potassium, Solid*	1100			13	48	1	mg/Kg	133493		11/06/04 1509	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542 Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AGCS ATTN: Eric Ellis

Customer Sample ID: WSAss-015M-SD
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 11:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-9
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4	U		0.38	1.4	1	mg/Kg	133493		11/06/04 1509	tds
	Silver, Solid*	0.95	U		0.30	0.95	1	mg/Kg	133493		11/06/04 1509	tds
	Sodium, Solid*	370			83	290	1	mg/Kg	133493		11/06/04 1509	tds
	Vanadium, Solid*	18			0.20	0.95	1	mg/Kg	133493		11/06/04 1509	tds
	Zinc, Solid*	60			0.38	1.9	1	mg/Kg	133493		11/06/04 1509	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231542				Date: 11/13/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: WSAss-015M-S0				Laboratory Sample ID: 231542-9								
Date Sampled.....: 10/27/2004				Date Received.....: 10/30/2004								
Time Sampled.....: 11:25				Time Received.....: 11:15								
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DIRECTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMx, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	134214		11/12/04 2346	san
	RDX, Solid	0.20	U		0.061	0.20	1.00000	mg/Kg	134214		11/12/04 2346	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	134214		11/12/04 2346	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/12/04 2346	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	134214		11/12/04 2346	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/12/04 2346	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134214		11/12/04 2346	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	134214		11/12/04 2346	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/12/04 2346	san
	4-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/12/04 2346	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.092	0.29	1.00000	mg/Kg	134214		11/12/04 2346	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134214		11/12/04 2346	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/12/04 2346	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	134214		11/12/04 2346	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSass-016M-SO
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 11:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-2
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.6			0.10	0.10	1	%	132836		11/01/04 1404	daj
	% Moisture, Solid	2.4			0.10	0.10	1	%	132836		11/01/04 1404	daj
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.42	1.3	1	mg/Kg	133349		11/04/04 2111	daj
7841	Thallium (GFAA) Thallium, Solid*	0.57		U	0.18	0.57	1	mg/Kg	133347		11/04/04 1511	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	2.0			0.044	0.17	10	mg/Kg	133337		11/04/04 1607	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.3	15	1	mg/Kg	133493		11/06/04 1355	tds
	Barium, Solid*	51			0.16	0.97	1	mg/Kg	133493		11/06/04 1355	tds
	Arsenic, Solid*	16			0.49	1.5	1	mg/Kg	133493		11/06/04 1355	tds
	Beryllium, Solid*	0.68			0.043	0.39	1	mg/Kg	133493		11/06/04 1355	tds
	Cadmium, Solid*	0.49		U	0.16	0.49	2	mg/Kg	133604		11/08/04 1343	tds
	Calcium, Solid*	1300			3.0	9.7	1	mg/Kg	133493		11/06/04 1355	tds
	Chromium, Solid*	21			0.21	0.97	1	mg/Kg	133493		11/06/04 1355	tds
	Cobalt, Solid*	10			0.14	0.49	1	mg/Kg	133493		11/06/04 1355	tds
	Copper, Solid*	20			0.87	2.9	1	mg/Kg	133493		11/06/04 1355	tds
	Iron, Solid*	26000			2.9	9.7	1	mg/Kg	133493		11/06/04 1355	tds
	Magnesium, Solid*	2800			1.6	9.7	1	mg/Kg	133493		11/06/04 1355	tds
	Manganese, Solid*	350			0.13	0.97	1	mg/Kg	133493		11/06/04 1355	tds
	Nickel, Solid*	25			0.24	0.97	1	mg/Kg	133493		11/06/04 1355	tds
Lead, Solid*	17			0.42	1.5	1	mg/Kg	133493		11/06/04 1355	tds	
Potassium, Solid*	1300			13	49	1	mg/Kg	133493		11/06/04 1355	tds	

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-016M-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 11:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-2 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.39	1.5	1	mg/Kg	133493		11/06/04 1355	tds
	Silver, Solid*	0.97	U		0.30	0.97	1	mg/Kg	133493		11/06/04 1355	tds
	Sodium, Solid*	380			84	290	1	mg/Kg	133493		11/06/04 1355	tds
	Vanadium, Solid*	18			0.20	0.97	1	mg/Kg	133493		11/06/04 1355	tds
	Zinc, Solid*	64			0.39	1.9	1	mg/Kg	133493		11/06/04 1355	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/13/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-016M-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 11:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-2 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	134214		11/12/04 1926	san
	RDX, Solid	0.20	U		0.061	0.20	1.00000	mg/Kg	134214		11/12/04 1926	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	134214		11/12/04 1926	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/12/04 1926	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	134214		11/12/04 1926	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/12/04 1926	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134214		11/12/04 1926	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	134214		11/12/04 1926	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/12/04 1926	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/12/04 1926	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.092	0.29	1.00000	mg/Kg	134214		11/12/04 1926	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134214		11/12/04 1926	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/12/04 1926	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	134214		11/12/04 1926	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: WSAss-016M-QA
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 12:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-7
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.1			0.10	0.10	1	%	132836		11/01/04 1415	daj
	% Moisture, Solid	6.9			0.10	0.10	1	%	132836		11/01/04 1415	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	133349		11/04/04 2211	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	133347		11/04/04 1722	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.84			0.023	0.089	5	mg/Kg	133337		11/04/04 1609	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.5	15	1	mg/Kg	133493		11/06/04 1426	tds
	Barium, Solid*	52			0.16	1.0	1	mg/Kg	133493		11/06/04 1426	tds
	Arsenic, Solid*	15			0.52	1.5	1	mg/Kg	133493		11/06/04 1426	tds
	Beryllium, Solid*	0.68			0.045	0.41	1	mg/Kg	133493		11/06/04 1426	tds
	Cadmium, Solid*	0.26		U	0.082	0.26	1	mg/Kg	133493		11/06/04 1426	tds
	Calcium, Solid*	1400			3.2	10	1	mg/Kg	133493		11/06/04 1426	tds
	Chromium, Solid*	22			0.23	1.0	1	mg/Kg	133493		11/06/04 1426	tds
	Cobalt, Solid*	9.9			0.14	0.51	1	mg/Kg	133493		11/06/04 1426	tds
	Copper, Solid*	22			0.93	3.1	1	mg/Kg	133493		11/06/04 1426	tds
	Iron, Solid*	25000			3.1	10	1	mg/Kg	133493		11/06/04 1426	tds
	Magnesium, Solid*	2700			1.7	10	1	mg/Kg	133493		11/06/04 1426	tds
	Manganese, Solid*	330			0.13	1.0	1	mg/Kg	133493		11/06/04 1426	tds
	Nickel, Solid*	24			0.26	1.0	1	mg/Kg	133493		11/06/04 1426	tds
	Lead, Solid*	17			0.44	1.5	1	mg/Kg	133493		11/06/04 1426	tds
	Potassium, Solid*	1200			14	51	1	mg/Kg	133493		11/06/04 1426	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: WSAss-016M-QA Date Sampled.....: 10/27/2004 Time Sampled.....: 12:10 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-7 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.41	1.5	1	mg/Kg	133493		11/06/04 1426	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	133493		11/06/04 1426	tds
	Sodium, Solid*	370			89	310	1	mg/Kg	133493		11/06/04 1426	tds
	Vanadium, Solid*	19			0.22	1.0	1	mg/Kg	133493		11/06/04 1426	tds
	Zinc, Solid*	66			0.41	2.1	1	mg/Kg	133493		11/06/04 1426	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/13/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: WSAss-016M-QA Date Sampled.....: 10/27/2004 Time Sampled.....: 12:10 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-7 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (RPLC)											
	HMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	134214		11/12/04 2209	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134214		11/12/04 2209	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	134214		11/12/04 2209	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/12/04 2209	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	134214		11/12/04 2209	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/12/04 2209	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134214		11/12/04 2209	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	134214		11/12/04 2209	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/12/04 2209	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/12/04 2209	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	134214		11/12/04 2209	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134214		11/12/04 2209	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/12/04 2209	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	134214		11/12/04 2209	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSAss-017M-SO
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 11:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-17
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.2			0.10	0.10	1	%	132836		11/01/04 1434	daj
	% Moisture, Solid	4.8			0.10	0.10	1	%	132836		11/01/04 1434	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	133349		11/05/04 0014	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	133347		11/04/04 2013	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.040			0.0045	0.017	1	mg/Kg	133337		11/04/04 1549	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.3	14	1	mg/Kg	133493		11/06/04 1648	tds
	Barium, Solid*	60			0.15	0.95	1	mg/Kg	133493		11/06/04 1648	tds
	Arsenic, Solid*	14			0.49	1.4	1	mg/Kg	133493		11/06/04 1648	tds
	Beryllium, Solid*	0.66			0.042	0.38	1	mg/Kg	133493		11/06/04 1648	tds
	Cadmium, Solid*	0.48		U	0.15	0.48	2	mg/Kg	133604		11/08/04 1455	tds
	Calcium, Solid*	1100			3.0	9.5	1	mg/Kg	133493		11/06/04 1648	tds
	Chromium, Solid*	22		H	0.21	0.95	1	mg/Kg	133493		11/06/04 1648	tds
	Cobalt, Solid*	10			0.13	0.48	1	mg/Kg	133493		11/06/04 1648	tds
	Copper, Solid*	15			0.86	2.9	1	mg/Kg	133493		11/06/04 1648	tds
	Iron, Solid*	25000			2.9	9.5	1	mg/Kg	133493		11/06/04 1648	tds
	Magnesium, Solid*	2600		H	1.6	9.5	1	mg/Kg	133493		11/06/04 1648	tds
	Manganese, Solid*	800			0.12	0.95	1	mg/Kg	133493		11/06/04 1648	tds
	Nickel, Solid*	20			0.24	0.95	1	mg/Kg	133493		11/06/04 1648	tds
	Lead, Solid*	14			0.41	1.4	1	mg/Kg	133493		11/06/04 1648	tds
	Potassium, Solid*	1100			13	48	1	mg/Kg	133493		11/06/04 1648	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: WSAss-017H-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 11:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-17 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4	U		0.38	1.4	1	mg/Kg	133493		11/06/04 1648	tds
	Silver, Solid*	0.95	U		0.30	0.95	1	mg/Kg	133493		11/06/04 1648	tds
	Sodium, Solid*	350			83	290	1	mg/Kg	133493		11/06/04 1648	tds
	Vanadium, Solid*	22			0.20	0.95	1	mg/Kg	133493		11/06/04 1648	tds
	Zinc, Solid*	58			0.38	1.9	1	mg/Kg	133493		11/06/04 1648	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/13/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: WSAss-017M-S0
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 11:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-17
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	134214		11/13/04 0407	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134214		11/13/04 0407	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	134214		11/13/04 0407	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/13/04 0407	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	134214		11/13/04 0407	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/13/04 0407	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134214		11/13/04 0407	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	134214		11/13/04 0407	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/13/04 0407	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/13/04 0407	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	134214		11/13/04 0407	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134214		11/13/04 0407	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/13/04 0407	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	134214		11/13/04 0407	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232497						Date: 12/20/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCS				ATTN: Eric Ellits				
Customer Sample ID: WSAss-020M-SO Date Sampled.....: 12/03/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil						Laboratory Sample ID: 232497-1 Date Received.....: 12/07/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	98.2			0.10	0.10	1	%	136381		12/07/04 1427	daj
	% Solids, Solid	1.8			0.10	0.10	1	%	136381		12/07/04 1427	daj
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.42	1.3	1	mg/Kg	136643		12/08/04 2323	daj
7841	Thallium (GFAA) Thallium, Solid*	0.57		U	0.18	0.57	1	mg/Kg	136776		12/10/04 1147	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033			0.0020	0.017	1	mg/Kg	136906		12/10/04 1348	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			1.1	14	1	mg/Kg	137184		12/15/04 1540	tds
	Barium, Solid*	52			0.11	0.92	1	mg/Kg	137184		12/15/04 1540	tds
	Arsenic, Solid*	21			0.39	1.4	1	mg/Kg	137184		12/15/04 1540	tds
	Beryllium, Solid*	0.79			0.012	0.37	1	mg/Kg	137184		12/15/04 1540	tds
	Cadmium, Solid*	0.23		U	0.023	0.23	1	mg/Kg	137184		12/15/04 1540	tds
	Calcium, Solid*	1800			0.73	9.2	1	mg/Kg	137184		12/15/04 1540	tds
	Chromium, Solid*	20			0.10	0.92	1	mg/Kg	137184		12/15/04 1540	tds
	Cobalt, Solid*	14			0.056	0.46	1	mg/Kg	137184		12/15/04 1540	tds
	Copper, Solid*	21			0.30	2.8	1	mg/Kg	137184		12/15/04 1540	tds
	Iron, Solid*	32000			3.0	9.2	1	mg/Kg	137184		12/15/04 1540	tds
	Magnesium, Solid*	3900			1.0	9.2	1	mg/Kg	137184		12/15/04 1540	tds
	Manganese, Solid*	420			0.031	0.92	1	mg/Kg	137184		12/15/04 1540	tds
	Nickel, Solid*	32			0.10	0.92	1	mg/Kg	137184		12/15/04 1540	tds
Lead, Solid*	16			0.19	1.4	1	mg/Kg	137184		12/15/04 1540	tds	
Potassium, Solid*	1400			4.2	46	1	mg/Kg	137184		12/15/04 1540	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232497 Date: 12/20/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USAGE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: WSAss-020M-S0
 Date Sampled.....: 12/03/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 232497-1
 Date Received.....: 12/07/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
	Selenium, Solid*	0.85	B		0.46	1.4	1	mg/Kg	137184		12/15/04 1540	tds
	Silver, Solid*	0.92	U		0.10	0.92	1	mg/Kg	137184		12/15/04 1540	tds
	Sodium, Solid*	430			79	280	1	mg/Kg	137184		12/15/04 1540	tds
	Vanadium, Solid*	20			0.083	0.92	1	mg/Kg	137184		12/15/04 1540	tds
	Zinc, Solid*	69			0.73	1.8	1	mg/Kg	137184		12/15/04 1540	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232497 Date: 12/21/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE BVAAP 14 ADCS ATTN: Eric Ellis

Customer Sample ID: WSAss-020M-50 Laboratory Sample ID: 232497-1
 Date Sampled.....: 12/03/2004 Date Received.....: 12/07/2004
 Time Sampled.....: 13:30 Time Received.....: 10:00
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMX, Solid	0.20	U	0.056	0.20	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	RDX, Solid	0.20	U	0.063	0.20	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	1,3,5-Trinitrobenzene, Solid	0.10	U	0.033	0.10	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	1,3-Dinitrobenzene, Solid	0.10	U	0.023	0.10	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	Nitrobenzene, Solid	0.10	U	0.021	0.10	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	2,4,6-TNT, Solid	0.10	U	0.024	0.10	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	Tetryl, Solid	0.40	U	0.12	0.40	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	2,4-Dinitrotoluene, Solid	0.10	U	0.026	0.10	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	2,6-Dinitrotoluene, Solid	0.20	U	0.049	0.20	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U	0.045	0.20	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U	0.094	0.30	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	2-Nitrotoluene, Solid	0.20	U	0.048	0.20	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	4-Nitrotoluene, Solid	0.20	U	0.050	0.20	1.00000	mg/Kg	137657		12/16/04 0249	bdw
	3-Nitrotoluene, Solid	0.20	U	0.053	0.20	1.00000	mg/Kg	137657		12/16/04 0249	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232497				Date: 01/13/2005							
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: WSAss-020M-DUP Date Sampled.....: 12/03/2004 Time Sampled.....: 13:30 Sample Matrix.....: Soil						Laboratory Sample ID: 232497-2 Date Received.....: 12/07/2004 Time Received.....: 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	98.1		0.10	0.10	1	%	136381		12/07/04 1430	daj
	% Moisture, Solid	1.9		0.10	0.10	1	%	136381		12/07/04 1430	daj
7041	Antimony (GFAA) Antimony, Solid*	0.51	B	0.43	1.4	1	mg/Kg	136643		12/08/04 2335	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59	U	0.19	0.59	1	mg/Kg	136776		12/10/04 1200	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.026		0.0020	0.017	1	mg/Kg	136906		12/10/04 1350	gok
60108	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	12000		1.1	14	1	mg/Kg	137184		12/15/04 1546	tds
	Barium, Solid*	51		0.11	0.94	1	mg/Kg	137184		12/15/04 1546	tds
	Arsenic, Solid*	20		0.40	1.4	1	mg/Kg	137184		12/15/04 1546	tds
	Beryllium, Solid*	0.77		0.012	0.38	1	mg/Kg	137184		12/15/04 1546	tds
	Cadmium, Solid*	0.24	U	0.024	0.24	1	mg/Kg	137184		12/15/04 1546	tds
	Calcium, Solid*	1800		0.75	9.4	1	mg/Kg	137184		12/15/04 1546	tds
	Chromium, Solid*	19		0.10	0.94	1	mg/Kg	137184		12/15/04 1546	tds
	Cobalt, Solid*	14		0.058	0.47	1	mg/Kg	137184		12/15/04 1546	tds
	Copper, Solid*	22		0.30	2.8	1	mg/Kg	137184		12/15/04 1546	tds
	Iron, Solid*	31000		3.1	9.4	1	mg/Kg	137184		12/15/04 1546	tds
	Magnesium, Solid*	3800		1.1	9.4	1	mg/Kg	137184		12/15/04 1546	tds
	Manganese, Solid*	410		0.031	0.94	1	mg/Kg	137184		12/15/04 1546	tds
	Nickel, Solid*	31		0.10	0.94	1	mg/Kg	137184		12/15/04 1546	tds
	Lead, Solid*	15		0.20	1.4	1	mg/Kg	137184		12/15/04 1546	tds
	Potassium, Solid*	1500		4.3	47	1	mg/Kg	137184		12/15/04 1546	tds

* In Description = Dry Wgt.

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Job Number: 232497 LABORATORY TEST RESULTS Date: 01/13/2005

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP T4 ADDS ATTN: Eric Ellis

Customer Sample ID: WSAss-020M-DUP Laboratory Sample ID: 232497-2
 Date Sampled.....: 12/03/2004 Date Received.....: 12/07/2004
 Time Sampled.....: 13:30 Time Received.....: 10:00
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.74		B	0.47	1.4	1	mg/Kg	137184		12/15/04 1546	tds
	Silver, Solid*	0.94		U	0.10	0.94	1	mg/Kg	137184		12/15/04 1546	tds
	Sodium, Solid*	430			81	280	1	mg/Kg	137184		12/15/04 1546	tds
	Vanadium, Solid*	20			0.085	0.94	1	mg/Kg	137184		12/15/04 1546	tds
	Zinc, Solid*	68			0.75	1.9	1	mg/Kg	137184		12/15/04 1546	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232497 Date: 01/13/2005

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: WSAss-020M-DUP
 Date Sampled.....: 12/03/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 232497-2
 Date Received.....: 12/07/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137657		12/16/04 0321	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137657		12/16/04 0321	bdw

* In Description = Dry Wgt.