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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: F15ss-001M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-12
 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	98.7			0.10	0.10	1	%	132968		11/02/04 2233	clb
	% Moisture, Solid	1.3			0.10	0.10	1	%	132968		11/02/04 2233	clb
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.41	1.3	1	mg/Kg	133763		11/09/04 1419	daj
7841	Thallium (GFAA) Thallium, Solid*	0.55		U	0.18	0.55	1	mg/Kg	133645		11/08/04 2321	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.052			0.0044	0.017	1	mg/Kg	133601		11/08/04 1528	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.1	13	1	mg/Kg	133744		11/09/04 1743	tds
	Barium, Solid*	85			0.14	0.87	1	mg/Kg	133744		11/09/04 1743	tds
	Arsenic, Solid*	10			0.44	1.3	1	mg/Kg	133744		11/09/04 1743	tds
	Beryllium, Solid*	0.85			0.038	0.35	1	mg/Kg	133744		11/09/04 1743	tds
	Cadmium, Solid*	0.22		U	0.070	0.22	1	mg/Kg	133744		11/09/04 1743	tds
	Calcium, Solid*	20000			2.7	8.7	1	mg/Kg	133744		11/09/04 1743	tds
	Chromium, Solid*	21			0.19	0.87	1	mg/Kg	133744		11/09/04 1743	tds
	Cobalt, Solid*	11			0.12	0.43	1	mg/Kg	133744		11/09/04 1743	tds
	Copper, Solid*	25			0.78	2.6	1	mg/Kg	133744		11/09/04 1743	tds
	Iron, Solid*	23000		H	2.6	8.7	1	mg/Kg	133744		11/09/04 1743	tds
	Magnesium, Solid*	5400			1.5	8.7	1	mg/Kg	133744		11/09/04 1743	tds
	Manganese, Solid*	370			0.11	0.87	1	mg/Kg	133744		11/09/04 1743	tds
	Nickel, Solid*	26			0.22	0.87	1	mg/Kg	133744		11/09/04 1743	tds
	Lead, Solid*	20			0.37	1.3	1	mg/Kg	133744		11/09/04 1743	tds
	Potassium, Solid*	1900			12	43	1	mg/Kg	133744		11/09/04 1743	tds

* In Description = Dry Wgt.

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Job Number: 231579 LABORATORY TEST RESULTS Date: 11/16/2004

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

Customer Sample ID: F15ss-001M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-12
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.39	B	0.35	1.3	1					
	Silver, Solid*	0.87	U	0.27	0.87	1	mg/Kg	133744		11/09/04 1743	tds
	Sodium, Solid*	290		75	260	1	mg/Kg	133744		11/09/04 1743	tds
	Vanadium, Solid*	22		0.18	0.87	1	mg/Kg	133744		11/09/04 1743	tds
	Zinc, Solid*	110		0.35	1.7	1	mg/Kg	133744		11/09/04 1743	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F15ss-001M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-12
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	BT	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 0406	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134334		11/05/04 0406	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134334		11/05/04 0406	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0406	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134334		11/05/04 0406	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0406	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0406	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134334		11/05/04 0406	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134334		11/05/04 0406	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134334		11/05/04 0406	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134334		11/05/04 0406	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0406	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0406	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0406	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKI Engineers, Inc.

PROJECT: USACE RVAAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: F15ss-002M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-14
 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	90.2			0.10	0.10	1	%	132968		11/02/04 2239	clb
	% Moisture, Solid	9.8			0.10	0.10	1	%	132968		11/02/04 2239	clb
7041	Antimony (GFAA)											
	Antimony, Solid*	1.5		U	0.49	1.5	1	mg/Kg	133763		11/09/04 1439	daj
7841	Thallium (GFAA)											
	Thallium, Solid*	0.66		U	0.21	0.66	1	mg/Kg	133645		11/09/04 0006	daj
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035			0.0048	0.018	1	mg/Kg	133601		11/08/04 1533	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.6	16	1	mg/Kg	133744		11/09/04 1755	tds
	Barium, Solid*	81			0.17	1.1	1	mg/Kg	133744		11/09/04 1755	tds
	Arsenic, Solid*	11			0.56	1.6	1	mg/Kg	133744		11/09/04 1755	tds
	Beryllium, Solid*	0.86			0.048	0.44	1	mg/Kg	133744		11/09/04 1755	tds
	Cadmium, Solid*	0.27		U	0.087	0.27	1	mg/Kg	133744		11/09/04 1755	tds
	Calcium, Solid*	3300			3.4	11	1	mg/Kg	133744		11/09/04 1755	tds
	Chromium, Solid*	20			0.24	1.1	1	mg/Kg	133744		11/09/04 1755	tds
	Cobalt, Solid*	11			0.15	0.54	1	mg/Kg	133744		11/09/04 1755	tds
	Copper, Solid*	18			0.98	3.3	1	mg/Kg	133744		11/09/04 1755	tds
	Iron, Solid*	25000		H	3.3	11	1	mg/Kg	133744		11/09/04 1755	tds
	Magnesium, Solid*	3200			1.9	11	1	mg/Kg	133744		11/09/04 1755	tds
	Manganese, Solid*	360			0.14	1.1	1	mg/Kg	133744		11/09/04 1755	tds
	Nickel, Solid*	23			0.27	1.1	1	mg/Kg	133744		11/09/04 1755	tds
	Lead, Solid*	16			0.47	1.6	1	mg/Kg	133744		11/09/04 1755	tds
	Potassium, Solid*	1300			15	54	1	mg/Kg	133744		11/09/04 1755	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 RVRAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: F15ss-002M-SD Date Sampled.....: 10/28/2004 Time Sampled.....: 14:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-14 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*	1.6	U		0.44	1.6	1	mg/Kg	133744		11/09/04 1755	tds
	Silver, Solid*	1.1	U		0.34	1.1	1	mg/Kg	133744		11/09/04 1755	tds
	Sodium, Solid*	250	B		94	330	1	mg/Kg	133744		11/09/04 1755	tds
	Vanadium, Solid*	24			0.23	1.1	1	mg/Kg	133744		11/09/04 1755	tds
	Zinc, Solid*	57			0.44	2.2	1	mg/Kg	133744		11/09/04 1755	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 AOCs

ATTN: Eric Ellis

Customer Sample ID: F15ss-002M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-14
 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 0511	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134334		11/05/04 0511	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134334		11/05/04 0511	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134334		11/05/04 0511	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134334		11/05/04 0511	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0511	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0511	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134334		11/05/04 0511	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134334		11/05/04 0511	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134334		11/05/04 0511	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134334		11/05/04 0511	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0511	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0511	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0511	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 RVAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: F15ss-003M-SO Date Sampled.....: 10/28/2004 Time Sampled.....: 14:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-8 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	97.3			0.10	0.10	1	%	132968		11/02/04 2220	clb
	% Moisture, Solid	2.7			0.10	0.10	1	%	132968		11/02/04 2220	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	133656		11/08/04 1230	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	133645		11/09/04 0959	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.051			0.0044	0.017	1	mg/Kg	133601		11/08/04 1519	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.2	14	1	mg/Kg	133744		11/09/04 1652	tds
	Barium, Solid*	90			0.15	0.92	1	mg/Kg	133744		11/09/04 1652	tds
	Arsenic, Solid*	10			0.47	1.4	1	mg/Kg	133744		11/09/04 1652	tds
	Beryllium, Solid*	0.75			0.041	0.37	1	mg/Kg	133744		11/09/04 1652	tds
	Cadmium, Solid*	0.38			0.074	0.23	1	mg/Kg	133744		11/09/04 1652	tds
	Calcium, Solid*	3200			2.9	9.2	1	mg/Kg	133744		11/09/04 1652	tds
	Chromium, Solid*	22			0.20	0.92	1	mg/Kg	133744		11/09/04 1652	tds
	Cobalt, Solid*	8.9			0.13	0.46	1	mg/Kg	133744		11/09/04 1652	tds
	Copper, Solid*	18			0.83	2.8	1	mg/Kg	133744		11/09/04 1652	tds
	Iron, Solid*	23000		H	2.8	9.2	1	mg/Kg	133744		11/09/04 1652	tds
	Magnesium, Solid*	2800			1.6	9.2	1	mg/Kg	133744		11/09/04 1652	tds
	Manganese, Solid*	420			0.12	0.92	1	mg/Kg	133744		11/09/04 1652	tds
	Nickel, Solid*	21			0.23	0.92	1	mg/Kg	133744		11/09/04 1652	tds
	Lead, Solid*	24			0.40	1.4	1	mg/Kg	133744		11/09/04 1652	tds
	Potassium, Solid*	1100			13	46	1	mg/Kg	133744		11/09/04 1652	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 RVAAP 1 & AGCS				ATTN: Eric Ellis					
Customer Sample ID: F15ss-003M-SD Date Sampled.....: 10/28/2004 Time Sampled.....: 14:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-8 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*	1.4		U	0.37	1.4	1	mg/Kg	133744		11/09/04 1652	tds
	Silver, Solid*	0.92		U	0.29	0.92	1	mg/Kg	133744		11/09/04 1652	tds
	Sodium, Solid*	260		B	80	280	1	mg/Kg	133744		11/09/04 1652	tds
	Vanadium, Solid*	23			0.19	0.92	1	mg/Kg	133744		11/09/04 1652	tds
	Zinc, Solid*	63			0.37	1.8	1	mg/Kg	133744		11/09/04 1652	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F15ss-003M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-8
 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 0124	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134334		11/05/04 0124	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134334		11/05/04 0124	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0124	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134334		11/05/04 0124	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0124	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0124	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134334		11/05/04 0124	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134334		11/05/04 0124	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134334		11/05/04 0124	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134334		11/05/04 0124	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0124	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0124	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0124	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 AGCS

ATTN: Eric Ellis

Customer Sample ID: F15ss-004M-SO
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 13:15
 Sample Matrix.....: Soil

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.5			0.10	0.10	1	%	132836		11/01/04 1424	daj
	% Moisture, Solid	5.5			0.10	0.10	1	%	132836		11/01/04 1424	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4	U		0.44	1.4	1	mg/Kg	133349		11/04/04 2302	daj
7841	Thallium (GFAA) Thallium, Solid*	0.25	B		0.19	0.60	1	mg/Kg	133347		11/04/04 1831	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.045			0.0046	0.017	1	mg/Kg	133337		11/04/04 1528	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.4	15	1	mg/Kg	133493		11/06/04 1521	tds
	Barium, Solid*	100			0.16	1.0	1	mg/Kg	133493		11/06/04 1521	tds
	Arsenic, Solid*	12			0.51	1.5	1	mg/Kg	133493		11/06/04 1521	tds
	Beryllium, Solid*	1.2			0.044	0.40	1	mg/Kg	133493		11/06/04 1521	tds
	Cadmium, Solid*	0.25	U		0.081	0.25	1	mg/Kg	133493		11/06/04 1521	tds
	Calcium, Solid*	9200		H	3.1	10	1	mg/Kg	133493		11/06/04 1521	tds
	Chromium, Solid*	29			0.22	1.0	1	mg/Kg	133493		11/06/04 1521	tds
	Cobalt, Solid*	11			0.14	0.50	1	mg/Kg	133493		11/06/04 1521	tds
	Copper, Solid*	18			0.91	3.0	1	mg/Kg	133493		11/06/04 1521	tds
	Iron, Solid*	27000		H	3.0	10	1	mg/Kg	133493		11/06/04 1521	tds
	Magnesium, Solid*	3700			1.7	10	1	mg/Kg	133493		11/06/04 1521	tds
	Manganese, Solid*	870			0.13	1.0	1	mg/Kg	133493		11/06/04 1521	tds
	Nickel, Solid*	25			0.25	1.0	1	mg/Kg	133493		11/06/04 1521	tds
	Lead, Solid*	20			0.43	1.5	1	mg/Kg	133493		11/06/04 1521	tds
	Potassium, Solid*	1800			14	50	1	mg/Kg	133493		11/06/04 1521	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: F15ss-004M-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 13:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-11 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 1521	tds
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	133493		11/06/04 1521	tds
	Sodium, Solid*	430			87	300	1	mg/Kg	133493		11/06/04 1521	tds
	Vanadium, Solid*	26			0.21	1.0	1	mg/Kg	133493		11/06/04 1521	tds
	Zinc, Solid*	68			0.40	2.0	1	mg/Kg	133493		11/06/04 1521	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 ADCS				ATTN: Eric Ellis					
Customer Sample ID: F15ss-004M-S0 Date Sampled.....: 10/27/2004 Time Sampled.....: 13:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-11 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)											
	HNX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134214		11/13/04 0051	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134214		11/13/04 0051	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134214		11/13/04 0051	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134214		11/13/04 0051	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134214		11/13/04 0051	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134214		11/13/04 0051	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134214		11/13/04 0051	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134214		11/13/04 0051	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/13/04 0051	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/13/04 0051	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134214		11/13/04 0051	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/13/04 0051	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134214		11/13/04 0051	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134214		11/13/04 0051	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 RVAAP 14 ADSS

ATTN: Eric Ellis

Customer Sample ID: F15ss-005M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-20
 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 1441	daj
	% Moisture, Solid	3.3			0.10	0.10	1	%	132836		11/01/04 1441	daj
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.41	1.3	1	mg/Kg	133349		11/05/04 0059	daj
7841	Thallium (GFAA) Thallium, Solid*	0.56		U	0.18	0.56	1	mg/Kg	133347		11/04/04 2130	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.029			0.0044	0.017	1	mg/Kg	133337		11/04/04 1555	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.2	14	1	mg/Kg	133493		11/06/04 1707	tds
	Barium, Solid*	72			0.15	0.92	1	mg/Kg	133493		11/06/04 1707	tds
	Arsenic, Solid*	16			0.47	1.4	1	mg/Kg	133493		11/06/04 1707	tds
	Beryllium, Solid*	0.81			0.040	0.37	1	mg/Kg	133493		11/06/04 1707	tds
	Cadmium, Solid*	0.46		U	0.15	0.46	2	mg/Kg	133604		11/08/04 1507	tds
	Calcium, Solid*	3000			2.9	9.2	1	mg/Kg	133493		11/06/04 1707	tds
	Chromium, Solid*	20			0.20	0.92	1	mg/Kg	133493		11/06/04 1707	tds
	Cobalt, Solid*	11			0.13	0.46	1	mg/Kg	133493		11/06/04 1707	tds
	Copper, Solid*	19			0.83	2.8	1	mg/Kg	133493		11/06/04 1707	tds
	Iron, Solid*	27000			2.8	9.2	1	mg/Kg	133493		11/06/04 1707	tds
	Magnesium, Solid*	3200			1.6	9.2	1	mg/Kg	133493		11/06/04 1707	tds
	Manganese, Solid*	390			0.12	0.92	1	mg/Kg	133493		11/06/04 1707	tds
	Nickel, Solid*	26			0.23	0.92	1	mg/Kg	133493		11/06/04 1707	tds
	Lead, Solid*	16			0.40	1.4	1	mg/Kg	133493		11/06/04 1707	tds
	Potassium, Solid*	1400			13	46	1	mg/Kg	133493		11/06/04 1707	tds

* In Description = Dry Mgt.

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

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

Customer Sample ID: F15ss-005M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-20
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4		U	0.37	1.4	1	mg/Kg	133493		11/06/04 1707	tds
	Silver, Solid*	0.92		U	0.29	0.92	1	mg/Kg	133493		11/06/04 1707	tds
	Sodium, Solid*	390			80	280	1	mg/Kg	133493		11/06/04 1707	tds
	Vanadium, Solid*	20			0.19	0.92	1	mg/Kg	133493		11/06/04 1707	tds
	Zinc, Solid*	64			0.37	1.8	1	mg/Kg	133493		11/06/04 1707	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 AGCS

ATTN: Eric Ellis

Customer Sample ID: F15ss-005M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-20
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	HDL	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	134214		11/13/04 0617	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134214		11/13/04 0617	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134214		11/13/04 0617	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134214		11/13/04 0617	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134214		11/13/04 0617	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134214		11/13/04 0617	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134214		11/13/04 0617	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134214		11/13/04 0617	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/13/04 0617	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/13/04 0617	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134214		11/13/04 0617	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/13/04 0617	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134214		11/13/04 0617	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134214		11/13/04 0617	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: Z31542

Date: 11/12/2004

CUSTOMER: MKK Engineers, Inc.

PROJECT: USACE RVMAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: F15ss-006M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Soil

Laboratory Sample ID: Z31542-18
 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	93.5			0.10	0.10	1	%	132836		11/01/04 1436	daj
	% Moisture, Solid	6.5			0.10	0.10	1	%	132836		11/01/04 1436	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	133349		11/05/04 0039	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	133645		11/08/04 1932	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.056			0.0046	0.018	1	mg/Kg	133337		11/04/04 1551	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	16000			2.3	15	1	mg/Kg	133493		11/06/04 1655	tds
	Barium, Solid*	79			0.16	0.97	1	mg/Kg	133493		11/06/04 1655	tds
	Arsenic, Solid*	12			0.50	1.5	1	mg/Kg	133493		11/06/04 1655	tds
	Beryllium, Solid*	0.86			0.043	0.39	1	mg/Kg	133493		11/06/04 1655	tds
	Cadmium, Solid*	0.24		U	0.078	0.24	1	mg/Kg	133493		11/06/04 1655	tds
	Calcium, Solid*	2800			3.0	9.7	1	mg/Kg	133493		11/06/04 1655	tds
	Chromium, Solid*	24			0.21	0.97	1	mg/Kg	133493		11/06/04 1655	tds
	Cobalt, Solid*	11			0.14	0.49	1	mg/Kg	133493		11/06/04 1655	tds
	Copper, Solid*	22			0.88	2.9	1	mg/Kg	133493		11/06/04 1655	tds
	Iron, Solid*	26000			2.9	9.7	1	mg/Kg	133493		11/06/04 1655	tds
	Magnesium, Solid*	3100			1.7	9.7	1	mg/Kg	133493		11/06/04 1655	tds
	Manganese, Solid*	480			0.13	0.97	1	mg/Kg	133493		11/06/04 1655	tds
	Nickel, Solid*	21			0.24	0.97	1	mg/Kg	133493		11/06/04 1655	tds
	Lead, Solid*	22			0.42	1.5	1	mg/Kg	133493		11/06/04 1655	tds
	Potassium, Solid*	1400			13	69	1	mg/Kg	133493		11/06/04 1655	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 RYAAP 14 ADS			ATTN: Eric Ellis						
Customer Sample ID: F15ss-006M-S0 Date Sampled.....: 10/28/2004 Time Sampled.....: 13:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-18 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.39	1.5	1	mg/Kg	133493		11/06/04 1655	tds
	Silver, Solid*	0.97	U		0.30	0.97	1	mg/Kg	133493		11/06/04 1655	tds
	Sodium, Solid*	390			84	290	1	mg/Kg	133493		11/06/04 1655	tds
	Vanadium, Solid*	29			0.20	0.97	1	mg/Kg	133493		11/06/04 1655	tds
	Zinc, Solid*	61			0.39	1.9	1	mg/Kg	133493		11/06/04 1655	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231542						Date: 11/15/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAMP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: F15ss-DD6M-S0 Date Sampled.....: 10/28/2004 Time Sampled.....: 13:40 Sample Matrix.....: Soil						Laboratory Sample ID: 231542-18 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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	3.5	U		0.33	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	beta-BHC, 3541 Solid*	3.5	U		0.31	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	delta-BHC, 3541 Solid*	3.5	U		0.23	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	gamma-BHC (Lindane), 3541 Solid*	3.5	U		0.48	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Heptachlor, 3541 Solid*	3.5	U	*	0.37	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Aldrin, 3541 Solid*	3.5	U		0.27	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Heptachlor epoxide, 3541 Solid*	3.5	U		0.29	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Endosulfan I, 3541 Solid*	3.5	U		0.56	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Dieldrin, 3541 Solid*	3.5	U		0.71	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	4,4'-DDE, 3541 Solid*	4.1	U		1.3	4.1	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Endrin, 3541 Solid*	3.5	U		0.89	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Endosulfan II, 3541 Solid*	3.5	U		0.58	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	4,4'-DDD, 3541 Solid*	3.5	U		0.75	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Endosulfan sulfate, 3541 Solid*	3.5	U		0.60	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	4,4'-DDT, 3541 Solid*	3.5	U		0.77	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Methoxychlor, 3541 Solid*	17	U		4.8	17	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	alpha-Chlordane, 3541 Solid*	3.5	U		0.25	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	gamma-Chlordane, 3541 Solid*	3.5	U		0.31	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Endrin aldehyde, 3541 Solid*	3.5	U		0.68	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Endrin ketone, 3541 Solid*	3.5	U		0.60	3.5	2.00000	ug/Kg	134275		11/05/04 2254	kdl
	Toxaphene, 3541 Solid*	35	U		9.5	35	2.00000	ug/Kg	134275		11/05/04 2254	kdl
Method	% Solids Determination											
	% Solids, Solid	93.5			0.10	0.10	1	%	132836		11/01/04 1436	daj
	% Moisture, Solid	6.5			0.10	0.10	1	%	132836		11/01/04 1436	daj

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: F15ss-006M-SD Date Sampled.....: 10/28/2004 Time Sampled.....: 13:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-18 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	
8082	PCB Analysis												
	Aroclor 1016, 3541 Solid*	34	U		9.2	34	1.00000	ug/Kg	134112		11/09/04 1417	bjt	
	Aroclor 1221, 3541 Solid*	34	U		4.8	34	1.00000	ug/Kg	134112		11/09/04 1417	bjt	
	Aroclor 1232, 3541 Solid*	17	U		4.7	17	1.00000	ug/Kg	134112		11/09/04 1417	bjt	
	Aroclor 1242, 3541 Solid*	34	U		5.1	34	1.00000	ug/Kg	134112		11/09/04 1417	bjt	
	Aroclor 1248, 3541 Solid*	17	U		3.8	17	1.00000	ug/Kg	134112		11/09/04 1417	bjt	
	Aroclor 1254, 3541 Solid*	34	U		4.7	34	1.00000	ug/Kg	134112		11/09/04 1417	bjt	
	Aroclor 1260, 3541 Solid*	34	U		13	34	1.00000	ug/Kg	134112		11/09/04 1417	bjt	
Method	% Solids Determination												
	% Solids, Solid	93.5			0.10	0.10	1	%	132836		11/01/04 1436	daj	
	% Moisture, Solid	6.5			0.10	0.10	1	%	132836		11/01/04 1436	daj	

* 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: F15ss-006D-S0 Date Sampled.....: 10/28/2004 Time Sampled.....: 13:50 Sample Matrix.....: Soil				Laboratory Sample ID: 231493-11 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	79.1			0.10	0.10	1	%	132702		10/29/04 2352	clb
	% Moisture, Solid	20.9			0.10	0.10	1	%	132702		10/29/04 2352	clb
8260B	Volatile Organics											
	Chloromethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Vinyl chloride, Solid*	6.3	U	*	1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Bromomethane, Solid*	6.3	U		1.6	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Chloroethane, Solid*	6.3	U		1.3	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,1-Dichloroethane, Solid*	6.3	U		1.6	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Carbon disulfide, Solid*	6.3	U		1.5	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Acetone, Solid*	19	U		5.8	19	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Methylene chloride, Solid*	13	U		3.7	13	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	trans-1,2-Dichloroethene, Solid*	6.3	U	*	1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,1-Dichloroethane, Solid*	6.3	U		1.3	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	cis-1,2-Dichloroethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	2-Butanone (MEK), Solid*	19	U		4.9	19	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Bromochloromethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Chloroform, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,1,1-Trichloroethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Carbon tetrachloride, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Benzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,2-Dichloroethane, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Trichloroethene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,2-Dichloropropane, Solid*	6.3	U		1.3	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Bromodichloromethane, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	cis-1,3-Dichloropropene, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13	U		1.3	13	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Toluene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj

* 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: F15ss-0060-S0			Laboratory Sample ID: 231493-11									
Date Sampled.....: 10/28/2004			Date Received.....: 10/29/2004									
Time Sampled.....: 13:50			Time Received.....: 09:20									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,1,2-Trichloroethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Tetrachloroethene, Solid*	6.3	U		1.5	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	2-Hexanone, Solid*	13	U		1.4	13	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Dibromochloromethane, Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,2-Dibromoethane (EDB), Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Chlorobenzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Ethylbenzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	m&p-Xylenes, Solid*	13	U		2.9	13	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	o-Xylene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Styrene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Bromoform, Solid*	6.3	U		0.95	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	1,2-Dichloroethene (total), Solid*	13	U		2.7	13	1.00000	ug/Kg	133534		11/07/04 2142	jdj
	Xylenes (total), Solid*	13	U		4.3	13	1.00000	ug/Kg	133534		11/07/04 2142	jdj

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS					Date: 11/16/2004				
CUSTOMER: RKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Ellis					
Customer Sample ID: F15ss-006M-S0 Date Sampled.....: 10/28/2004 Time Sampled.....: 13:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-18 Date Received.....: 10/30/2004 Time Received.....: 11:15								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics										
	Phenol, 3541 Low Solid*	170	U	7.4	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	70	U	9.3	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	170	U	14	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	170	U	16	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	170	U	15	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Benzyl alcohol, 3541 Low Solid*	700	U	77	700	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	70	U	11	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	170	U	17	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	70	U	14	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Hexachloroethane, 3541 Low Solid*	170	U	9.0	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	70	U	12	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2-Chlorophenol, 3541 Low Solid*	170	U	14	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Nitrobenzene, 3541 Low Solid*	34	U	9.0	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	70	U	9.2	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	170	U	14	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Benzoic acid, 3541 Low Solid*	700	U	200	700	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Isophorone, 3541 Low Solid*	170	U	20	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	340	U	17	340	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Hexachlorobutadiene, 3541 Low Solid*	170	U	9.4	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Naphthalene, 3541 Low Solid*	38	U	8.8	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	340	U	16	340	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	4-Chloroaniline, 3541 Low Solid*	700	U	56	700	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	170	U	39	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	340	U	47	340	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1000	U	320	1000	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2-Methylnaphthalene, 3541 Low Solid*	53	U	10	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2-Nitroaniline, 3541 Low Solid*	170	U	11	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2-Chloronaphthalene, 3541 Low Solid*	170	U	16	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/16/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F15ss-006K-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-18
 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
	4-Chloro-3-methylphenol, 3541 Low Solid*	340	U		36	340	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	34	U		9.6	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2-Nitrophenol, 3541 Low Solid*	340	U		15	340	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	3-Nitroaniline, 3541 Low Solid*	700	U		140	700	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Dimethyl phthalate, 3541 Low Solid*	70	U		9.3	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	700	U		110	700	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Acenaphthylene, 3541 Low Solid*	34	U		8.7	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Acenaphthene, 3541 Low Solid*	34	U		8.7	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Dibenzofuran, 3541 Low Solid*	17	J		9.2	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	4-Nitrophenol, 3541 Low Solid*	700	U		220	700	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Fluorene, 3541 Low Solid*	34	U		9.4	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	4-Nitroaniline, 3541 Low Solid*	700	U		47	700	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	170	U		10	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Hexachlorobenzene, 3541 Low Solid*	34	U		9.9	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Diethyl phthalate, 3541 Low Solid*	70	U		9.9	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Soli*d	170	U		10	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Pentachlorophenol, 3541 Low Solid*	340	U		120	340	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	700	U		180	700	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Phenanthrene, 3541 Low Solid*	50	J		16	52	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Anthracene, 3541 Low Solid*	34	U		11	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Carbazole, 3541 Low Solid*	170	U		12	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	170	U		12	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Fluoranthene, 3541 Low Solid*	59	U		11	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Pyrene, 3541 Low Solid*	56	U		13	52	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	70	U		11	70	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Benzo(a)anthracene, 3541 Low Solid*	36	U		10	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Chrysene, 3541 Low Solid*	51	U		11	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS							Date: 11/16/2004			
CUSTOMER: MCM Engineers, Inc.			PROJECT: USAGE RYAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: F15ss-006M-S0			Laboratory Sample ID: 231542-18									
Date Sampled.....: 10/28/2004			Date Received.....: 10/30/2004									
Time Sampled.....: 13:40			Time Received.....: 11:15									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	170		U	15	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	170		U	33	170	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	340		U	11	340	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	41		M	9.3	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	26		J	9.8	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Benzo(a)pyrene, 3541 Low Solid*	31		J	9.9	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	19		J	11	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	34		U	9.9	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	23		J	11	34	1.00000	ug/Kg	134462		11/15/04 2140	dpk
Method	% Solids Determination											
	% Solids, Solid	93.5			0.10	0.10	1	%	132836		11/01/04 1436	daj
	% Moisture, Solid	6.5			0.10	0.10	1	%	132836		11/01/04 1436	daj

* 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: F15ss-006M-SO Date Sampled.....: 10/28/2004 Time Sampled.....: 13:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-18 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)											
	RMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134214		11/13/04 0512	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134214		11/13/04 0512	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134214		11/13/04 0512	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134214		11/13/04 0512	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134214		11/13/04 0512	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134214		11/13/04 0512	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134214		11/13/04 0512	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134214		11/13/04 0512	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/13/04 0512	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/13/04 0512	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134214		11/13/04 0512	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/13/04 0512	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134214		11/13/04 0512	san
3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134214		11/13/04 0512	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	134217		11/09/04 0922	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: F15SS-006M-SO

Trace Level Organic Compounds

Lot-Sample #...: G4J300233-001 Work Order #...: GVX701AA Matrix.....: SO
Date Sampled...: 10/28/04 13:40 Date Received...: 10/30/04
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: F15ss-006M-SO

General Chemistry

Lot-Sample #...: G4J300233-001 Work Order #...: GVX70
Date Sampled...: 10/28/04 Date Received...: 10/30/04

Matrix.....: SO

<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	0.93 B	2.0	mg/kg	MCAMW 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: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: HGM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACES				ATTN: Eric Ellis					
Customer Sample ID: F15ss-007M-SO Date Sampled.....: 10/28/2004 Time Sampled.....: 09:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-19 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	91.6			0.10	0.10	1	%	132836		11/01/04 1439	daj
	% Moisture, Solid	8.4			0.10	0.10	1	%	132836		11/01/04 1439	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4	U		0.45	1.4	1	mg/Kg	133349		11/05/04 0049	daj
7841	Thallium (GFAA) Thallium, Solid*	0.20	B		0.20	0.62	1	mg/Kg	133347		11/04/04 2104	gok
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.036			0.0047	0.018	1	mg/Kg	133337		11/04/04 1553	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	16000			2.3	15	1	mg/Kg	133493		11/06/04 1701	tds
	Barium, Solid*	76			0.16	0.98	1	mg/Kg	133493		11/06/04 1701	tds
	Arsenic, Solid*	10			0.50	1.5	1	mg/Kg	133493		11/06/04 1701	tds
	Beryllium, Solid*	0.78			0.043	0.39	1	mg/Kg	133493		11/06/04 1701	tds
	Cadmium, Solid*	0.49	U		0.16	0.49	2	mg/Kg	133604		11/08/04 1501	tds
	Calcium, Solid*	4200		H	3.0	9.8	1	mg/Kg	133493		11/06/04 1701	tds
	Chromium, Solid*	24			0.22	0.98	1	mg/Kg	133493		11/06/04 1701	tds
	Cobalt, Solid*	8.2			0.14	0.49	1	mg/Kg	133493		11/06/04 1701	tds
	Copper, Solid*	15			0.88	2.9	1	mg/Kg	133493		11/06/04 1701	tds
	Iron, Solid*	25000		H	2.9	9.8	1	mg/Kg	133493		11/06/04 1701	tds
	Magnesium, Solid*	3000			1.7	9.8	1	mg/Kg	133493		11/06/04 1701	tds
	Manganese, Solid*	360			0.13	0.98	1	mg/Kg	133493		11/06/04 1701	tds
	Nickel, Solid*	18			0.24	0.98	1	mg/Kg	133493		11/06/04 1701	tds
	Lead, Solid*	13			0.42	1.5	1	mg/Kg	133493		11/06/04 1701	tds
	Potassium, Solid*	1300			14	49	1	mg/Kg	133493		11/06/04 1701	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADS				ATTN: Eric Ellis					
Customer Sample ID: F15ss-007M-SO Date Sampled.....: 10/28/2004 Time Sampled.....: 09:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231542-19 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 1701	tds
	Silver, Solid*	0.98	U		0.30	0.98	1	mg/Kg	133493		11/06/04 1701	tds
	Sodium, Solid*	350			85	290	1	mg/Kg	133493		11/06/04 1701	tds
	Vanadium, Solid*	29			0.21	0.98	1	mg/Kg	133493		11/06/04 1701	tds
	Zinc, Solid*	49			0.39	2.0	1	mg/Kg	133493		11/06/04 1701	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: F15ss-007M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-19
 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 0544	san
	RDX, Solid	0.20	U		0.061	0.20	1.00000	mg/Kg	134214		11/13/04 0544	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	134214		11/13/04 0544	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/13/04 0544	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	134214		11/13/04 0544	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134214		11/13/04 0544	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134214		11/13/04 0544	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	134214		11/13/04 0544	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/13/04 0544	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/13/04 0544	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.092	0.29	1.00000	mg/Kg	134214		11/13/04 0544	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134214		11/13/04 0544	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/13/04 0544	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	134214		11/13/04 0544	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: RKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elite

Customer Sample ID: F15ss-008M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 10:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-9
 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	98.8			0.10	0.10	1	%	132968		11/02/04 2223	clb
	% Solids, Solid	1.2			0.10	0.10	1	%	132968		11/02/04 2223	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4	U		0.44	1.4	1	mg/Kg	133656		11/08/04 1240	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60	U		0.19	0.60	1	mg/Kg	133645		11/08/04 2231	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033			0.0044	0.017	1	mg/Kg	133601		11/08/04 1521	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.2	14	1	mg/Kg	133744		11/09/04 1658	tds
	Barium, Solid*	83			0.15	0.94	1	mg/Kg	133744		11/09/04 1658	tds
	Arsenic, Solid*	9.4			0.48	1.4	1	mg/Kg	133744		11/09/04 1658	tds
	Beryllium, Solid*	0.83			0.041	0.37	1	mg/Kg	133744		11/09/04 1658	tds
	Cadmium, Solid*	0.23	U		0.075	0.23	1	mg/Kg	133744		11/09/04 1658	tds
	Calcium, Solid*	29000			2.9	9.4	1	mg/Kg	133744		11/09/04 1658	tds
	Chromium, Solid*	19			0.21	0.94	1	mg/Kg	133744		11/09/04 1658	tds
	Cobalt, Solid*	11			0.13	0.47	1	mg/Kg	133744		11/09/04 1658	tds
	Copper, Solid*	23			0.84	2.8	1	mg/Kg	133744		11/09/04 1658	tds
	Iron, Solid*	23000		H	2.8	9.4	1	mg/Kg	133744		11/09/04 1658	tds
	Magnesium, Solid*	6600			1.6	9.4	1	mg/Kg	133744		11/09/04 1658	tds
	Manganese, Solid*	390			0.12	0.94	1	mg/Kg	133744		11/09/04 1658	tds
	Nickel, Solid*	27			0.23	0.94	1	mg/Kg	133744		11/09/04 1658	tds
	Lead, Solid*	17			0.40	1.4	1	mg/Kg	133744		11/09/04 1658	tds
	Potassium, Solid*	2000			13	47	1	mg/Kg	133744		11/09/04 1658	tds

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MGM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F15ss-008M-S0			Laboratory Sample ID: 231579-9									
Date Sampled.....: 10/28/2004			Date Received.....: 11/02/2004									
Time Sampled.....: 10:35			Time Received.....: 08:40									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
	Selenium, Solid*	1.4	U	0.37	1.4	1	mg/Kg	133744		11/09/04 1658	tds	
	Silver, Solid*	0.94	U	0.29	0.94	1	mg/Kg	133744		11/09/04 1658	tds	
	Sodium, Solid*	300		81	280	1	mg/Kg	133744		11/09/04 1658	tds	
	Vanadium, Solid*	20		0.20	0.94	1	mg/Kg	133744		11/09/04 1658	tds	
	Zinc, Solid*	75		0.37	1.9	1	mg/Kg	133744		11/09/04 1658	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: F15ss-008M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 10:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-9
 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 0156	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134334		11/05/04 0156	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134334		11/05/04 0156	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0156	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134334		11/05/04 0156	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0156	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0156	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134334		11/05/04 0156	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134334		11/05/04 0156	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134334		11/05/04 0156	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134334		11/05/04 0156	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0156	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0156	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0156	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: F15ss-009M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-16
 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	98.1			0.10	0.10	1	%	132968		11/02/04 2246	clb
	% Moisture, Solid	1.9			0.10	0.10	1	%	132968		11/02/04 2246	clb
7041	Antimony (GFAA) Antimony, Solid*	0.54		B	0.39	1.2	1	mg/Kg	133763		11/09/04 2353	daj
7841	Thallium (GFAA) Thallium, Solid*	0.53		U	0.17	0.53	1	mg/Kg	133798		11/09/04 1653	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.042			0.0044	0.017	1	mg/Kg	133601		11/08/04 1538	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.4	15	1	mg/Kg	133744		11/09/04 1808	tds
	Barium, Solid*	86			0.16	0.99	1	mg/Kg	133744		11/09/04 1808	tds
	Arsenic, Solid*	12			0.50	1.5	1	mg/Kg	133744		11/09/04 1808	tds
	Beryllium, Solid*	0.99			0.043	0.39	1	mg/Kg	133744		11/09/04 1808	tds
	Cadmium, Solid*	0.25		U	0.079	0.25	1	mg/Kg	133744		11/09/04 1808	tds
	Calcium, Solid*	8600			3.1	9.9	1	mg/Kg	133744		11/09/04 1808	tds
	Chromium, Solid*	22			0.22	0.99	1	mg/Kg	133744		11/09/04 1808	tds
	Cobalt, Solid*	7.3			0.14	0.49	1	mg/Kg	133744		11/09/04 1808	tds
	Copper, Solid*	17			0.89	3.0	1	mg/Kg	133744		11/09/04 1808	tds
	Iron, Solid*	21000		H	3.0	9.9	1	mg/Kg	133744		11/09/04 1808	tds
	Magnesium, Solid*	2900			1.7	9.9	1	mg/Kg	133744		11/09/04 1808	tds
	Manganese, Solid*	550			0.13	0.99	1	mg/Kg	133744		11/09/04 1808	tds
	Nickel, Solid*	17			0.25	0.99	1	mg/Kg	133744		11/09/04 1808	tds
	Lead, Solid*	33			0.42	1.5	1	mg/Kg	133744		11/09/04 1808	tds
	Potassium, Solid*	960			14	49	1	mg/Kg	133744		11/09/04 1808	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 RVAMP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: F15ss-009M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-16
 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*	0.50		B	0.39	1.5	1	mg/Kg	133744		11/09/04 1808	tds
	Silver, Solid*	0.99		U	0.31	0.99	1	mg/Kg	133744		11/09/04 1808	tds
	Sodium, Solid*	270		B	85	300	1	mg/Kg	133744		11/09/04 1808	tds
	Vanadium, Solid*	21			0.21	0.99	1	mg/Kg	133744		11/09/04 1808	tds
	Zinc, Solid*	70			0.39	2.0	1	mg/Kg	133744		11/09/04 1808	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 RYAAP 14 A05S				ATTN: Eric Ellis					
Customer Sample ID: F15ss-009M-SO Date Sampled.....: 10/28/2004 Time Sampled.....: 15:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-16 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)											
	MMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134334		11/05/04 0616	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134334		11/05/04 0616	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134334		11/05/04 0616	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134334		11/05/04 0616	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134334		11/05/04 0616	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0616	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0616	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134334		11/05/04 0616	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134334		11/05/04 0616	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134334		11/05/04 0616	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134334		11/05/04 0616	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0616	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0616	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0616	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 Ellis

Customer Sample ID: F15ss-009M-DUP
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-15
 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	98.1			0.10	0.10	1	%	132968		11/02/04 2243	clb
	% Moisture, Solid	1.9			0.10	0.10	1	%	132968		11/02/04 2243	clb
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.40	1.3	1	mg/Kg	133763		11/09/04 2343	daj
7841	Thallium (GFAA) Thallium, Solid*	0.55		U	0.17	0.55	1	mg/Kg	133645		11/09/04 0018	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.048			0.0044	0.017	1	mg/Kg	133601		11/08/04 1536	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.3	15	1	mg/Kg	133744		11/09/04 1801	tds
	Barium, Solid*	84			0.16	0.97	1	mg/Kg	133744		11/09/04 1801	tds
	Arsenic, Solid*	12			0.50	1.5	1	mg/Kg	133744		11/09/04 1801	tds
	Beryllium, Solid*	0.96			0.043	0.39	1	mg/Kg	133744		11/09/04 1801	tds
	Cadmium, Solid*	0.24		U	0.078	0.24	1	mg/Kg	133744		11/09/04 1801	tds
	Calcium, Solid*	9800			3.0	9.7	1	mg/Kg	133744		11/09/04 1801	tds
	Chromium, Solid*	21			0.21	0.97	1	mg/Kg	133744		11/09/04 1801	tds
	Cobalt, Solid*	7.9			0.14	0.49	1	mg/Kg	133744		11/09/04 1801	tds
	Copper, Solid*	19			0.88	2.9	1	mg/Kg	133744		11/09/04 1801	tds
	Iron, Solid*	22000		H	2.9	9.7	1	mg/Kg	133744		11/09/04 1801	tds
	Magnesium, Solid*	2700			1.7	9.7	1	mg/Kg	133744		11/09/04 1801	tds
	Manganese, Solid*	590			0.13	0.97	1	mg/Kg	133744		11/09/04 1801	tds
	Nickel, Solid*	17			0.24	0.97	1	mg/Kg	133744		11/09/04 1801	tds
	Lead, Solid*	32			0.42	1.5	1	mg/Kg	133744		11/09/04 1801	tds
	Potassium, Solid*	1000			13	49	1	mg/Kg	133744		11/09/04 1801	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 RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F15ss-009M-DUP Date Sampled.....: 10/28/2004 Time Sampled.....: 15:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-15 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*	0.54	B		0.39	1.5	1	mg/Kg	133744		11/09/04 1801	tds
	Silver, Solid*	0.97	U		0.30	0.97	1	mg/Kg	133744		11/09/04 1801	tds
	Sodium, Solid*	260	B		84	290	1	mg/Kg	133744		11/09/04 1801	tds
	Vanadium, Solid*	21			0.20	0.97	1	mg/Kg	133744		11/09/04 1801	tds
	Zinc, Solid*	70			0.39	1.9	1	mg/Kg	133744		11/09/04 1801	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 1A AOCs

ATTN: Eric Ellis

Customer Sample ID: F15ss-009M-DUP
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-15
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

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	134334		11/05/04 0544	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134334		11/05/04 0544	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134334		11/05/04 0544	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134334		11/05/04 0544	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134334		11/05/04 0544	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134334		11/05/04 0544	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0544	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134334		11/05/04 0544	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0544	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134334		11/05/04 0544	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134334		11/05/04 0544	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134334		11/05/04 0544	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0544	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0544	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 RYAAP 14 AOCES ATTN: Eric Elite

Customer Sample ID: F15ss-010M-SO Laboratory Sample ID: 231579-6
 Date Sampled.....: 10/28/2004 Date Received.....: 11/02/2004
 Time Sampled.....: 15:15 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
Method	% Solids Determination											
	% Solids, Solid	97.9			0.10	0.10	1	%	132968		11/02/04 2213	clb
	% Moisture, Solid	2.1			0.10	0.10	1	%	132968		11/02/04 2213	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	133656		11/08/04 1150	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	133645		11/09/04 0922	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.065			0.0044	0.017	1	mg/Kg	133601		11/08/04 1509	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.4	15	1	mg/Kg	133744		11/09/04 1639	tds
	Barium, Solid*	100			0.16	0.98	1	mg/Kg	133744		11/09/04 1639	tds
	Arsenic, Solid*	11			0.50	1.5	1	mg/Kg	133744		11/09/04 1639	tds
	Beryllium, Solid*	1.1			0.043	0.39	1	mg/Kg	133744		11/09/04 1639	tds
	Cadmium, Solid*	0.24		U	0.078	0.24	1	mg/Kg	133744		11/09/04 1639	tds
	Calcium, Solid*	3000			3.0	9.8	1	mg/Kg	133744		11/09/04 1639	tds
	Chromium, Solid*	20			0.22	0.98	1	mg/Kg	133744		11/09/04 1639	tds
	Cobalt, Solid*	12			0.14	0.49	1	mg/Kg	133744		11/09/04 1639	tds
	Copper, Solid*	21			0.88	2.9	1	mg/Kg	133744		11/09/04 1639	tds
	Iron, Solid*	24000			2.9	9.8	1	mg/Kg	133744		11/09/04 1639	tds
	Magnesium, Solid*	3200		H	1.7	9.8	1	mg/Kg	133744		11/09/04 1639	tds
	Manganese, Solid*	340			0.13	0.98	1	mg/Kg	133744		11/09/04 1639	tds
	Nickel, Solid*	27			0.24	0.98	1	mg/Kg	133744		11/09/04 1639	tds
	Lead, Solid*	20			0.42	1.5	1	mg/Kg	133744		11/09/04 1639	tds
	Potassium, Solid*	1200			14	49	1	mg/Kg	133744		11/09/04 1639	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 RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: F15ss-010M-SO Date Sampled.....: 10/28/2004 Time Sampled.....: 15:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231579-6 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		0.39	1.5	1					
	Silver, Solid*	0.98	U		0.30	0.98	1	mg/Kg	133744		11/09/04 1639	tds
	Sodium, Solid*	310			85	290	1	mg/Kg	133744		11/09/04 1639	tds
	Vanadium, Solid*	21			0.21	0.98	1	mg/Kg	133744		11/09/04 1639	tds
	Zinc, Solid*	58			0.39	2.0	1	mg/Kg	133744		11/09/04 1639	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F15ss-010M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-6
 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 0019	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134334		11/05/04 0019	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134334		11/05/04 0019	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0019	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134334		11/05/04 0019	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134334		11/05/04 0019	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134334		11/05/04 0019	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134334		11/05/04 0019	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134334		11/05/04 0019	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134334		11/05/04 0019	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134334		11/05/04 0019	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134334		11/05/04 0019	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134334		11/05/04 0019	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134334		11/05/04 0019	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 RYAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: F15ss-011M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-10
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAHS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.2			0.10	0.10	1	%	132968		11/02/04 2226	clb
	% Moisture, Solid	1.8			0.10	0.10	1	%	132968		11/02/04 2226	clb
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.40	1.3	1	mg/Kg	133656		11/08/04 1250	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59			0.17	0.54	1	mg/Kg	133798		11/09/04 1628	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.045			0.0044	0.017	1	mg/Kg	133601		11/08/04 1524	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	7300			2.4	15	1	mg/Kg	133744		11/09/04 1704	tds
	Barium, Solid*	80			0.16	0.98	1	mg/Kg	133744		11/09/04 1704	tds
	Arsenic, Solid*	20			0.50	1.5	1	mg/Kg	133744		11/09/04 1704	tds
	Beryllium, Solid*	1.4			0.043	0.39	1	mg/Kg	133744		11/09/04 1704	tds
	Cadmium, Solid*	0.21		B	0.078	0.25	1	mg/Kg	133744		11/09/04 1704	tds
	Calcium, Solid*	5200			3.0	9.8	1	mg/Kg	133744		11/09/04 1704	tds
	Chromium, Solid*	24			0.22	0.98	1	mg/Kg	133744		11/09/04 1704	tds
	Cobalt, Solid*	5.9			0.14	0.49	1	mg/Kg	133744		11/09/04 1704	tds
	Copper, Solid*	24			0.88	2.9	1	mg/Kg	133744		11/09/04 1704	tds
	Iron, Solid*	25000		H	2.9	9.8	1	mg/Kg	133744		11/09/04 1704	tds
	Magnesium, Solid*	1100			1.7	9.8	1	mg/Kg	133744		11/09/04 1704	tds
	Manganese, Solid*	260			0.13	0.98	1	mg/Kg	133744		11/09/04 1704	tds
	Nickel, Solid*	19			0.25	0.98	1	mg/Kg	133744		11/09/04 1704	tds
	Lead, Solid*	58			0.42	1.5	1	mg/Kg	133744		11/09/04 1704	tds
	Potassium, Solid*	680			14	49	1	mg/Kg	133744		11/09/04 1704	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: AKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elias

Customer Sample ID: F15ss-011M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-10
 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*	0.44	B		0.39	1.5	1					
	Silver, Solid*	0.98	U		0.30	0.98	1	mg/Kg	133744		11/09/04 1704	tds
	Sodium, Solid*	260	B		85	290	1	mg/Kg	133744		11/09/04 1704	tds
	Vanadium, Solid*	19			0.21	0.98	1	mg/Kg	133744		11/09/04 1704	tds
	Zinc, Solid*	100			0.39	2.0	1	mg/Kg	133744		11/09/04 1704	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F15ss-011M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231579-10
 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	134338		11/06/04 1006	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134338		11/06/04 1006	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	134338		11/06/04 1006	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134338		11/06/04 1006	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134338		11/06/04 1006	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134338		11/06/04 1006	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134338		11/06/04 1006	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134338		11/06/04 1006	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134338		11/06/04 1006	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134338		11/06/04 1006	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134338		11/06/04 1006	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134338		11/06/04 1006	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134338		11/06/04 1006	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134338		11/06/04 1006	san

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: F16ss-001M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 13:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-22 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.0			0.10	0.10	1	%	133528		11/08/04 1326	daj
	% Moisture, Solid	6.0			0.10	0.10	1	%	133528		11/08/04 1326	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	133945		11/10/04 2252	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	134116		11/12/04 0840	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.050			0.0046	0.018	1	mg/Kg	134651		11/16/04 1654	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.5	15	1	mg/Kg	134454		11/15/04 2005	tds
	Barium, Solid*	96			0.16	1.0	1	mg/Kg	134454		11/15/04 2005	tds
	Arsenic, Solid*	12			0.52	1.5	1	mg/Kg	134454		11/15/04 2005	tds
	Beryllium, Solid*	0.86			0.045	0.41	1	mg/Kg	134454		11/15/04 2005	tds
	Cadmium, Solid*	0.26		U	0.082	0.26	1	mg/Kg	134454		11/15/04 2005	tds
	Calcium, Solid*	3700			3.2	10	1	mg/Kg	134454		11/15/04 2005	tds
	Chromium, Solid*	27			0.23	1.0	1	mg/Kg	134454		11/15/04 2005	tds
	Cobalt, Solid*	11			0.14	0.51	1	mg/Kg	134454		11/15/04 2005	tds
	Copper, Solid*	28			0.93	3.1	1	mg/Kg	134454		11/15/04 2005	tds
	Iron, Solid*	24000			3.1	10	1	mg/Kg	134454		11/15/04 2005	tds
	Magnesium, Solid*	3000			1.7	10	1	mg/Kg	134454		11/15/04 2005	tds
	Manganese, Solid*	340			0.13	1.0	1	mg/Kg	134454		11/15/04 2005	tds
	Nickel, Solid*	27			0.26	1.0	1	mg/Kg	134454		11/15/04 2005	tds
	Lead, Solid*	34			0.44	1.5	1	mg/Kg	134454		11/15/04 2005	tds
	Potassium, Solid*	1300			14	51	1	mg/Kg	134454		11/15/04 2005	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16ss-001N-S0			Laboratory Sample ID: 231757-22									
Date Sampled.....: 11/03/2004			Date Received.....: 11/06/2004									
Time Sampled.....: 13:20			Time Received.....: 11:00									
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	0.41	1.5	1	mg/Kg	134454		11/15/04 2005	tds
	Silver, Solid*	1.0		U	0.32	1.0	1	mg/Kg	134454		11/15/04 2005	tds
	Sodium, Solid*	320			89	310	1	mg/Kg	134454		11/15/04 2005	tds
	Vanadium, Solid*	21			0.22	1.0	1	mg/Kg	134454		11/15/04 2005	tds
	Zinc, Solid*	110			0.41	2.1	1	mg/Kg	134454		11/15/04 2005	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: F16ss-001M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 13:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-22 Date Received.....: 11/06/2004 Time Received.....: 11:00									
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	134860		11/12/04 1151	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134860		11/12/04 1151	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	134860		11/12/04 1151	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134860		11/12/04 1151	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134860		11/12/04 1151	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134860		11/12/04 1151	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134860		11/12/04 1151	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134860		11/12/04 1151	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134860		11/12/04 1151	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134860		11/12/04 1151	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134860		11/12/04 1151	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134860		11/12/04 1151	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134860		11/12/04 1151	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134860		11/12/04 1151	san

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS							Date: 11/19/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16ss-002M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-13 Date Received.....: 11/05/2004 Time Received.....: 09:30									
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	%	133522		11/08/04 1224	daj
	% Moisture, Solid	5.1			0.10	0.10	1	%	133522		11/08/04 1224	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	134362		11/13/04 1718	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	134377		11/14/04 0922	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.032			0.0045	0.017	1	mg/Kg	134643		11/16/04 1626	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.4	15	1	mg/Kg	134454		11/15/04 1448	tds
	Barium, Solid*	83			0.16	1.0	1	mg/Kg	134454		11/15/04 1448	tds
	Arsenic, Solid*	11			0.52	1.5	1	mg/Kg	134454		11/15/04 1448	tds
	Beryllium, Solid*	0.80			0.044	0.40	1	mg/Kg	134454		11/15/04 1448	tds
	Cadmium, Solid*	0.25		B	0.081	0.25	1	mg/Kg	134454		11/15/04 1448	tds
	Calcium, Solid*	5300			3.1	10	1	mg/Kg	134454		11/15/04 1448	tds
	Chromium, Solid*	23			0.22	1.0	1	mg/Kg	134454		11/15/04 1448	tds
	Cobalt, Solid*	10			0.14	0.51	1	mg/Kg	134454		11/15/04 1448	tds
	Copper, Solid*	200			0.91	3.0	1	mg/Kg	134454		11/15/04 1448	tds
	Iron, Solid*	25000			3.0	10	1	mg/Kg	134454		11/15/04 1448	tds
	Magnesium, Solid*	4100			1.7	10	1	mg/Kg	134454		11/15/04 1448	tds
	Manganese, Solid*	400			0.13	1.0	1	mg/Kg	134454		11/15/04 1448	tds
	Nickel, Solid*	25			0.25	1.0	1	mg/Kg	134454		11/15/04 1448	tds
	Lead, Solid*	34			0.43	1.5	1	mg/Kg	134454		11/15/04 1448	tds
Potassium, Solid*	1900			14	51	1	mg/Kg	134454		11/15/04 1448	tds	

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis					
Customer Sample ID: F16ss-002M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-13 Date Received.....: 11/05/2004 Time Received.....: 09:30								
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	134454		11/15/04 1448	tds
	Silver, Solid*	1.0	U	0.31	1.0	1	mg/Kg	134454		11/15/04 1448	tds
	Sodium, Solid*	340		88	300	1	mg/Kg	134454		11/15/04 1448	tds
	Vanadium, Solid*	24		0.21	1.0	1	mg/Kg	134454		11/15/04 1448	tds
	Zinc, Solid*	100		0.40	2.0	1	mg/Kg	134454		11/15/04 1448	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/18/2004

CUSTOMER: HEM Engineers, Inc.

PROJECT: USACE RVAAP 1A AOCs

ATTN: Eric Ellis

Customer Sample ID: F16ss-002M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-13
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	134769		11/12/04 1343	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/12/04 1343	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/12/04 1343	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/12/04 1343	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/12/04 1343	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/12/04 1343	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/12/04 1343	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/12/04 1343	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/12/04 1343	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134769		11/12/04 1343	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/12/04 1343	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/12/04 1343	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/12/04 1343	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/12/04 1343	san

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16ss-003M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 14:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-17 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	% Solids Determination											
	% Solids, Solid	91.1		0.10	0.10	1	%	133522		11/08/04 1232	daj	
	% Moisture, Solid	8.9		0.10	0.10	1	%	133522		11/08/04 1232	daj	
7041	Antimony (GFAA) Antimony, Solid*	1.4	U	0.45	1.4	1	mg/Kg	134362		11/13/04 1809	daj	
7841	Thallium (GFAA) Thallium, Solid*	0.61	U	0.19	0.61	1	mg/Kg	134377		11/14/04 1040	daj	
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.037		0.0047	0.018	1	mg/Kg	134643		11/16/04 1640	gok	
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000		2.5	16	1	mg/Kg	134454		11/15/04 1602	tds	
	Barium, Solid*	89		0.17	1.0	1	mg/Kg	134454		11/15/04 1602	tds	
	Arsenic, Solid*	11		0.53	1.6	1	mg/Kg	134454		11/15/04 1602	tds	
	Beryllium, Solid*	0.84		0.046	0.42	1	mg/Kg	134454		11/15/04 1602	tds	
	Cadmium, Solid*	0.26	U	0.083	0.26	1	mg/Kg	134454		11/15/04 1602	tds	
	Calcium, Solid*	8900		3.2	10	1	mg/Kg	134454		11/15/04 1602	tds	
	Chromium, Solid*	24		0.23	1.0	1	mg/Kg	134454		11/15/04 1602	tds	
	Cobalt, Solid*	9.9		0.15	0.52	1	mg/Kg	134454		11/15/04 1602	tds	
	Copper, Solid*	20		0.94	3.1	1	mg/Kg	134454		11/15/04 1602	tds	
	Iron, Solid*	24000		3.1	10	1	mg/Kg	134454		11/15/04 1602	tds	
	Magnesium, Solid*	3500		1.8	10	1	mg/Kg	134454		11/15/04 1602	tds	
	Manganese, Solid*	320		0.14	1.0	1	mg/Kg	134454		11/15/04 1602	tds	
	Nickel, Solid*	26		0.26	1.0	1	mg/Kg	134454		11/15/04 1602	tds	
	Lead, Solid*	23		0.45	1.6	1	mg/Kg	134454		11/15/04 1602	tds	
	Potassium, Solid*	1700		14	52	1	mg/Kg	134454		11/15/04 1602	tds	

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS							Date: 11/19/2004			
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: BRUCE ELLIS					
Customer Sample ID: F16ss-003M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 14:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-17 Date Received.....: 11/05/2004 Time Received.....: 09:30									
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	134454		11/15/04 1602	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	134454		11/15/04 1602	tds
	Sodium, Solid*	340			90	310	1	mg/Kg	134454		11/15/04 1602	tds
	Vanadium, Solid*	22			0.22	1.0	1	mg/Kg	134454		11/15/04 1602	tds
	Zinc, Solid*	82			0.42	2.1	1	mg/Kg	134454		11/15/04 1602	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16ss-003M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 14:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-17 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RE	DILUTION	UNITS	BATCH	IDT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134769		11/11/04 0839	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134769		11/11/04 0839	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134769		11/11/04 0839	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134769		11/11/04 0839	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134769		11/11/04 0839	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134769		11/11/04 0839	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 0839	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134769		11/11/04 0839	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0839	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0839	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134769		11/11/04 0839	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134769		11/11/04 0839	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0839	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0839	san

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: F16ss-004M-SQ Date Sampled.....: 11/03/2004 Time Sampled.....: 13:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-22 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	88.6			0.10	0.10	1	%	133522		11/08/04 1243	daj
	% Moisture, Solid	11.4			0.10	0.10	1	%	133522		11/08/04 1243	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	134362		11/13/04 1910	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	134623		11/16/04 1427	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.047			0.0049	0.019	1	mg/Kg	134643		11/16/04 1652	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.6	16	1	mg/Kg	134454		11/15/04 1633	tds
	Barium, Solid*	81			0.17	1.1	1	mg/Kg	134454		11/15/04 1633	tds
	Arsenic, Solid*	18			0.55	1.6	1	mg/Kg	134454		11/15/04 1633	tds
	Beryllium, Solid*	0.93			0.048	0.43	1	mg/Kg	134454		11/15/04 1633	tds
	Cadmium, Solid*	0.27		U	0.086	0.27	1	mg/Kg	134454		11/15/04 1633	tds
	Calcium, Solid*	5700			3.3	11	1	mg/Kg	134454		11/15/04 1633	tds
	Chromium, Solid*	27			0.24	1.1	1	mg/Kg	134454		11/15/04 1633	tds
	Cobalt, Solid*	8.9			0.15	0.54	1	mg/Kg	134454		11/15/04 1633	tds
	Copper, Solid*	31			0.97	3.2	1	mg/Kg	134454		11/15/04 1633	tds
	Iron, Solid*	24000			3.2	11	1	mg/Kg	134454		11/15/04 1633	tds
	Magnesium, Solid*	2800			1.8	11	1	mg/Kg	134454		11/15/04 1633	tds
	Manganese, Solid*	650			0.14	1.1	1	mg/Kg	134454		11/15/04 1633	tds
	Nickel, Solid*	25			0.27	1.1	1	mg/Kg	134454		11/15/04 1633	tds
	Lead, Solid*	31			0.46	1.6	1	mg/Kg	134454		11/15/04 1633	tds
	Potassium, Solid*	1400			15	54	1	mg/Kg	134454		11/15/04 1633	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: F16ss-004M-S0			Laboratory Sample ID: 231715-22									
Date Sampled.....: 11/03/2004			Date Received.....: 11/05/2004									
Time Sampled.....: 13:45			Time Received.....: 09:30									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6	U		0.43	1.6	1	mg/Kg	134454		11/15/04 1633	tds
	Silver, Solid*	1.1	U		0.33	1.1	1	mg/Kg	134454		11/15/04 1633	tds
	Sodium, Solid*	330			94	320	1	mg/Kg	134454		11/15/04 1633	tds
	Vanadium, Solid*	20			0.23	1.1	1	mg/Kg	134454		11/15/04 1633	tds
	Zinc, Solid*	99			0.43	2.2	1	mg/Kg	134454		11/15/04 1633	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 1& ADCS			ATTN: Eric Ellis						
Customer Sample ID: F16ss-004M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 13:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-22 Date Received.....: 11/05/2004 Time Received.....: 09:30									
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	134769		11/11/04 1121	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 1121	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 1121	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134769		11/11/04 1121	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 1121	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 1121	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 1121	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 1121	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 1121	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 1121	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 1121	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 1121	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 1121	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 1121	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715 Date: 11/19/2004

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

Customer Sample ID: F16ss-005M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-16
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	84.7			0.10	0.10	1	%	133522		11/08/04 1230	da j
	% Moisture, Solid	15.3			0.10	0.10	1	%	133522		11/08/04 1230	da j
7041	Antimony (GFAA) Antimony, Solid*	0.56		B	0.50	1.6	1	mg/Kg	134362		11/13/04 1748	da j
7841	Thallium (GFAA) Thallium, Solid*	0.33		B	0.21	0.68	1	mg/Kg	134377		11/14/04 1014	da j
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.041			0.0051	0.019	1	mg/Kg	134643		11/16/04 1633	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.7	17	1	mg/Kg	134454		11/15/04 1507	tds
	Barium, Solid*	110			0.18	1.1	1	mg/Kg	134454		11/15/04 1507	tds
	Arsenic, Solid*	11			0.58	1.7	1	mg/Kg	134454		11/15/04 1507	tds
	Beryllium, Solid*	1.5			0.050	0.45	1	mg/Kg	134454		11/15/04 1507	tds
	Cadmium, Solid*	0.36			0.091	0.28	1	mg/Kg	134454		11/15/04 1507	tds
	Calcium, Solid*	13000			3.5	11	1	mg/Kg	134454		11/15/04 1507	tds
	Chromium, Solid*	38			0.25	1.1	1	mg/Kg	134454		11/15/04 1507	tds
	Cobalt, Solid*	6.5			0.16	0.57	1	mg/Kg	134454		11/15/04 1507	tds
	Copper, Solid*	32			1.0	3.4	1	mg/Kg	134454		11/15/04 1507	tds
	Iron, Solid*	22000			3.4	11	1	mg/Kg	134454		11/15/04 1507	tds
	Magnesium, Solid*	3300			1.9	11	1	mg/Kg	134454		11/15/04 1507	tds
	Manganese, Solid*	710			0.15	1.1	1	mg/Kg	134454		11/15/04 1507	tds
	Nickel, Solid*	26			0.28	1.1	1	mg/Kg	134454		11/15/04 1507	tds
	Lead, Solid*	60			0.49	1.7	1	mg/Kg	134454		11/15/04 1507	tds
	Potassium, Solid*	1500			16	57	1	mg/Kg	134454		11/15/04 1507	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715 Date: 11/19/2004

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

Customer Sample ID: F16ss-005M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-16
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.7		U	0.45	1.7	1	mg/Kg	134454		11/15/04 1507	tds
	Silver, Solid*	1.1		U	0.35	1.1	1	mg/Kg	134454		11/15/04 1507	tds
	Sodium, Solid*	450			99	340	1	mg/Kg	134454		11/15/04 1507	tds
	Vanadium, Solid*	19			0.24	1.1	1	mg/Kg	134454		11/15/04 1507	tds
	Zinc, Solid*	81			0.45	2.3	1	mg/Kg	134454		11/15/04 1507	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715 Date: 11/29/2004

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

Customer Sample ID: F16ss-005M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-16
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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*	20	U		1.9	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	beta-BHC, 3541 Solid*	20	U		1.8	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	delta-BHC, 3541 Solid*	20	U		1.3	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	gamma-BHC (Lindane), 3541 Solid*	20	U		2.7	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Heptachlor, 3541 Solid*	20	U		2.1	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Aldrin, 3541 Solid*	20	U		1.5	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Heptachlor epoxide, 3541 Solid*	20	U		1.6	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Endosulfan I, 3541 Solid*	20	U		3.2	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Dieldrin, 3541 Solid*	20	U		4.0	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	4,4'-DDE, 3541 Solid*	12	J	a	7.6	24	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Endrin, 3541 Solid*	20	U		5.1	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Endosulfan II, 3541 Solid*	20	U		3.3	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	4,4'-DDD, 3541 Solid*	20	U		4.2	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Endosulfan sulfate, 3541 Solid*	20	U		3.4	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	4,4'-DDT, 3541 Solid*	19	J	a	4.4	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Methoxychlor, 3541 Solid*	98	U		27	98	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	alpha-Chlordane, 3541 Solid*	20	U		1.4	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	gamma-Chlordane, 3541 Solid*	20	U		1.8	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Endrin aldehyde, 3541 Solid*	20	U		3.9	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Endrin ketone, 3541 Solid*	20	U		3.4	20	10.0000	ug/Kg	135642		11/24/04 1505	pjg
	Toxaphene, 3541 Solid*	200	U		54	200	10.0000	ug/Kg	135642		11/24/04 1505	pjg
Method	% Solids Determination											
	% Solids, Solid	84.7			0.10	0.10	1	%	133522		11/08/04 1230	daj
	% Moisture, Solid	15.3			0.10	0.10	1	%	133522		11/08/04 1230	daj

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16ss-005M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 15:50 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-16 Date Received.....: 11/05/2004 Time Received.....: 09:30									
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*	39		U	10	39	1.00000	ug/Kg	135616		11/23/04 1120	bjt
	Aroclor 1221, 3541 Solid*	39		U	5.4	39	1.00000	ug/Kg	135616		11/23/04 1120	bjt
	Aroclor 1232, 3541 Solid*	20		U	5.3	20	1.00000	ug/Kg	135616		11/23/04 1120	bjt
	Aroclor 1242, 3541 Solid*	39		U	5.8	39	1.00000	ug/Kg	135616		11/23/04 1120	bjt
	Aroclor 1248, 3541 Solid*	20		U	4.4	20	1.00000	ug/Kg	135616		11/23/04 1120	bjt
	Aroclor 1254, 3541 Solid*	39		U	5.3	39	1.00000	ug/Kg	135616		11/23/04 1120	bjt
	Aroclor 1260, 3541 Solid*	120			15	39	1.00000	ug/Kg	135616		11/23/04 1120	bjt
Method	% Solids Determination											
	% Solids, Solid	84.7			0.10	0.10	1	%	133522		11/08/04 1230	daj
	% Moisture, Solid	15.3			0.10	0.10	1	%	133522		11/08/04 1230	daj

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: F16ss-0050-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 15:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-8 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Vinyl chloride, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Bromomethane, Solid*	6.6	U		1.7	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Chloroethane, Solid*	6.6	U		1.3	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,1-Dichloroethene, Solid*	6.6	U		1.7	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Carbon disulfide, Solid*	6.6	U		1.6	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Acetone, Solid*	20	U		6.1	20	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Methylene chloride, Solid*	13	U		3.8	13	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	trans-1,2-Dichloroethene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,1-Dichloroethane, Solid*	6.6	U		1.3	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	cis-1,2-Dichloroethene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	2-Butanone (MEK), Solid*	20	U		5.2	20	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Bromochloromethane, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Chloroform, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,1,1-Trichloroethane, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Carbon tetrachloride, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Benzene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,2-Dichloroethane, Solid*	6.6	U		1.2	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Trichloroethene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,2-Dichloropropane, Solid*	6.6	U		1.3	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Bromodichloromethane, Solid*	6.6	U		1.3	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	cis-1,3-Dichloropropene, Solid*	6.6	U		1.2	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13	U		1.3	13	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Toluene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	trans-1,3-Dichloropropene, Solid*	6.6	U		1.0	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,1,2-Trichloroethane, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Tetrachloroethene, Solid*	6.6	U		1.6	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	2-Hexanone, Solid*	13	U		1.5	13	1.00000	ug/Kg	133782		11/10/04 0219	jdj

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RYANP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16ss-005D-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 15:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-8 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	6.6	U		1.0	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,2-Dibromoethane (EDB), Solid*	6.6	U		1.1	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Chlorobenzene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Ethylbenzene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	m&p-Xylenes, Solid*	13	U		3.0	13	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	o-Xylene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Styrene, Solid*	6.6	U		1.5	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Bromoform, Solid*	6.6	U		0.99	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.6	U		1.3	6.6	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	1,2-Dichloroethene (total), Solid*	13	U		2.8	13	1.00000	ug/Kg	133782		11/10/04 0219	jdj
	Xylenes (total), Solid*	13	U		4.5	13	1.00000	ug/Kg	133782		11/10/04 0219	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715 Date: 11/19/2004

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

Customer Sample ID: F16ss-005M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-16
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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		8.2	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	77	U		10	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	190	U		15	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	190	U		18	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	190	U		16	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Benzyl alcohol, 3541 Low Solid*	770	U		85	770	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	77	U		12	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Sol*id	190	U		18	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	77	U		15	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Hexachloroethane, 3541 Low Solid*	190	U		9.9	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	77	U		14	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2-Chlorophenol, 3541 Low Solid*	190	U		16	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Nitrobenzene, 3541 Low Solid*	38	U		9.9	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	77	U		10	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	190	U		16	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Benzoic acid, 3541 Low Solid*	770	U	*	230	770	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Isophorone, 3541 Low Solid*	190	U		23	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	380	U		19	380	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Hexachlorobutadiene, 3541 Low Solid*	190	U		10	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Naphthalene, 3541 Low Solid*	730	U		9.7	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	380	U		18	380	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	4-Chloroaniline, 3541 Low Solid*	770	U		62	770	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	190	U		43	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	380	U		51	380	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1100	U		350	1100	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2-Methylnaphthalene, 3541 Low Solid*	1000	U		11	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2-Nitroaniline, 3541 Low Solid*	190	U		12	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2-Chloronaphthalene, 3541 Low Solid*	190	U		18	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231715						Date: 11/19/2004						
CUSTOMER: MCM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: F16ss-005M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 231715-16 Date Received.....: 11/05/2004 Time Received.....: 09:30						
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*	380	U		40	380	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	38	U		11	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2-Nitrophenol, 3541 Low Solid*	380	U		17	380	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	3-Nitroaniline, 3541 Low Solid*	770	U		160	770	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Dimethyl phthalate, 3541 Low Solid*	77	U		10	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	770	U		120	770	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Acenaphthylene, 3541 Low Solid*	38	U		9.5	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	38	U		12	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Acenaphthene, 3541 Low Solid*	38	U		9.5	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Dibenzofuran, 3541 Low Solid*	260	U		10	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	4-Nitrophenol, 3541 Low Solid*	770	U		240	770	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Fluorene, 3541 Low Solid*	38	U		10	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	4-Nitroaniline, 3541 Low Solid*	770	U		52	770	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	190	U		11	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Hexachlorobenzene, 3541 Low Solid*	38	U		11	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Diethyl phthalate, 3541 Low Solid*	77	U		11	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	190	U		11	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Pentachlorophenol, 3541 Low Solid*	380	U		130	380	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	38	U		12	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	770	U		190	770	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Phenanthrene, 3541 Low Solid*	520	U		17	57	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Anthracene, 3541 Low Solid*	53	U		13	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Carbazole, 3541 Low Solid*	38	J		14	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	DI-n-butyl phthalate, 3541 Low Solid*	190	U		13	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Fluoranthene, 3541 Low Solid*	260	U		12	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Pyrene, 3541 Low Solid*	300	U		14	57	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	77	U		12	77	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Benzo(a)anthracene, 3541 Low Solid*	140	U		11	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Chrysene, 3541 Low Solid*	200	U		12	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS							Date: 11/19/2004			
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: F16ss-005M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 15:50 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-16 Date Received.....: 11/05/2004 Time Received.....: 09:30									
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	134462		11/16/04 2019	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	130	J		37	190	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	380	U		12	380	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	130		M	10	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	100		M	11	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Benzo(a)pyrene, 3541 Low Solid*	110			11	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	73			12	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	38	U		11	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	95			13	38	1.00000	ug/Kg	134462		11/16/04 2019	dpk
Method	% Solids Determination											
	% Solids, Solid	84.7			0.10	0.10	1	%	133522		11/08/04 1230	daj
	% Moisture, Solid	15.3			0.10	0.10	1	%	133522		11/08/04 1230	daj

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004					
CUSTOMER: HMM Engineers, Inc.			PROJECT: USACE RVAMP 14 ADDS				ATTN: Eric Ellis						
Customer Sample ID: F16ss-005M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 15:50 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-16 Date Received.....: 11/05/2004 Time Received.....: 09:30										
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	134769		11/11/04 0806	san	
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 0806	san	
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 0806	san	
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134769		11/11/04 0806	san	
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 0806	san	
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 0806	san	
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 0806	san	
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 0806	san	
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 0806	san	
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0806	san	
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 0806	san	
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0806	san	
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0806	san	
3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0806	san		
8332M	NG/PETN by 8332M (HPLC)												
Nitroglycerine, Solid	0.52			0.12	0.50	1.00000	mg/Kg	134753		11/09/04 2201	san		

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: F16ss-005M-SO

Trace Level Organic Compounds

Lot-Sample #....: G4K050396-001 Work Order #....: GWDX31AA Matrix.....: SOLID
Date Sampled....: 11/03/04 15:50 Date Received...: 11/05/04
Prep Date.....: 11/09/04 Analysis Date...: 11/10/04
Prep Batch #....: 4314545
Dilution Factor: 1 Initial Wgt/Vol.: 2 g Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: F16ss-005M-SO

General Chemistry

Lot-Sample #....: G4K050396-001 Work Order #....: GWDX3 Matrix.....: SOLID
Date Sampled...: 11/03/04 Date Received...: 11/05/04

PREPARATION- PREP
ANALYSIS DATE BATCH #
11/09-11/12/04 4314547

PARAMETER	RESULT	RL	UNITS	METHOD
Nitrocellulose	2.1	2.0	mg/kg	MCAWW 353.2

MDL.....: 0.57

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOC5

ATTN: Eric Ellis

Customer Sample ID: F16ss-006M-SO
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 08:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-6
 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	89.6			0.10	0.10	1	%	132836		11/01/04 1413	daj
	% Moisture, Solid	10.4			0.10	0.10	1	%	132836		11/01/04 1413	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	133349		11/04/04 2201	daj
7841	Thallium (GFAA) Thallium, Solid*	0.20		B	0.19	0.59	1	mg/Kg	133645		11/08/04 1351	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.040			0.0048	0.018	1	mg/Kg	133337		11/04/04 1516	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	16000			2.6	16	1	mg/Kg	133493		11/06/04 1420	tds
	Barium, Solid*	91			0.17	1.1	1	mg/Kg	133493		11/06/04 1420	tds
	Arsenic, Solid*	12			0.55	1.6	1	mg/Kg	133493		11/06/04 1420	tds
	Beryllium, Solid*	0.94			0.047	0.43	1	mg/Kg	133493		11/06/04 1420	tds
	Cadmium, Solid*	0.54		U	0.17	0.54	2	mg/Kg	133604		11/08/04 1408	tds
	Calcium, Solid*	9200			3.3	11	1	mg/Kg	133493		11/06/04 1420	tds
	Chromium, Solid*	24		H	0.24	1.1	1	mg/Kg	133493		11/06/04 1420	tds
	Cobalt, Solid*	12			0.15	0.54	1	mg/Kg	133493		11/06/04 1420	tds
	Copper, Solid*	20			0.96	3.2	1	mg/Kg	133493		11/06/04 1420	tds
	Iron, Solid*	26000			3.2	11	1	mg/Kg	133493		11/06/04 1420	tds
	Magnesium, Solid*	4600			1.8	11	1	mg/Kg	133493		11/06/04 1420	tds
	Manganese, Solid*	420			0.14	1.1	1	mg/Kg	133493		11/06/04 1420	tds
	Nickel, Solid*	28			0.27	1.1	1	mg/Kg	133493		11/06/04 1420	tds
	Lead, Solid*	13			0.46	1.6	1	mg/Kg	133493		11/06/04 1420	tds
	Potassium, Solid*	2100			15	54	1	mg/Kg	133493		11/06/04 1420	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 AGES				ATTN: Eric Ellis					
Customer Sample ID: F16ss-006M-S0			Laboratory Sample ID: 231542-6									
Date Sampled.....: 10/28/2004			Date Received.....: 10/30/2004									
Time Sampled.....: 08:55			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*	1.6	U		0.43	1.6	1	mg/Kg	133493		11/06/04 1420	tds
	Silver, Solid*	1.1	U		0.33	1.1	1	mg/Kg	133493		11/06/04 1420	tds
	Sodium, Solid*	400			93	320	1	mg/Kg	133493		11/06/04 1420	tds
	Vanadium, Solid*	26			0.23	1.1	1	mg/Kg	133493		11/06/04 1420	tds
	Zinc, Solid*	60			0.43	2.1	1	mg/Kg	133493		11/06/04 1420	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 ASES

ATTN: Eric Ellis

Customer Sample ID: F16ss-006M-S0
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 08:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 231542-6
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	ML	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 2136	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134214		11/12/04 2136	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134214		11/12/04 2136	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134214		11/12/04 2136	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134214		11/12/04 2136	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134214		11/12/04 2136	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134214		11/12/04 2136	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134214		11/12/04 2136	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134214		11/12/04 2136	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134214		11/12/04 2136	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134214		11/12/04 2136	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134214		11/12/04 2136	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134214		11/12/04 2136	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134214		11/12/04 2136	san

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date:11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs			ATTN: EPC/ELITE						
Customer Sample ID: F16ss-007M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 13:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-16 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	88.3			0.10	0.10	1	%	133581		11/08/04 2251	daj
	% Moisture, Solid	11.7			0.10	0.10	1	%	133581		11/08/04 2251	daj
7041	Antimony (GFAA) Antimony, Solid*	1.0		B	0.47	1.5	1	mg/Kg	134574		11/16/04 1138	daj
7841	Thallium (GFAA) Thallium, Solid*	0.65		U	0.20	0.65	1	mg/Kg	134377		11/14/04 0609	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.045			0.0049	0.019	1	mg/Kg	134658		11/17/04 1208	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.5	16	1	mg/Kg	134566		11/16/04 1837	tds
	Barium, Solid*	200			0.17	1.1	1	mg/Kg	134566		11/16/04 1837	tds
	Arsenic, Solid*	10			0.54	1.6	1	mg/Kg	134566		11/16/04 1837	tds
	Beryllium, Solid*	2.9			0.047	0.42	1	mg/Kg	134566		11/16/04 1837	tds
	Cadmium, Solid*	2.5			0.085	0.26	1	mg/Kg	134566		11/16/04 1837	tds
	Calcium, Solid*	25000			3.3	11	1	mg/Kg	134566		11/16/04 1837	tds
	Chromium, Solid*	55			0.23	1.1	1	mg/Kg	134566		11/16/04 1837	tds
	Cobalt, Solid*	4.6			0.15	0.53	1	mg/Kg	134566		11/16/04 1837	tds
	Copper, Solid*	40			0.95	3.2	1	mg/Kg	134566		11/16/04 1837	tds
	Iron, Solid*	28000			3.2	11	1	mg/Kg	134566		11/16/04 1837	tds
	Magnesium, Solid*	4000			1.8	11	1	mg/Kg	134566		11/16/04 1837	tds
	Manganese, Solid*	1200			0.14	1.1	1	mg/Kg	134566		11/16/04 1837	tds
	Nickel, Solid*	25			0.26	1.1	1	mg/Kg	134566		11/16/04 1837	tds
	Lead, Solid*	120			0.46	1.6	1	mg/Kg	134566		11/16/04 1837	tds
	Potassium, Solid*	1400			15	53	1	mg/Kg	134566		11/16/04 1837	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS					Date: 11/19/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: F16ss-007M-S0			Laboratory Sample ID: 231758-16									
Date Sampled.....: 11/03/2004			Date Received.....: 11/06/2004									
Time Sampled.....: 13:00			Time Received.....: 11:00									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.7			0.42	1.6	1	mg/Kg	134566		11/16/04 1837	tds
	Silver, Solid*	1.1	U		0.33	1.1	1	mg/Kg	134566		11/16/04 1837	tds
	Sodium, Solid*	710			92	320	1	mg/Kg	134566		11/16/04 1837	tds
	Vanadium, Solid*	21			0.22	1.1	1	mg/Kg	134566		11/16/04 1837	tds
	Zinc, Solid*	130			0.42	2.1	1	mg/Kg	134566		11/16/04 1837	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS		Job Number: 231758		Date: 11/22/2004								
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVRAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: F16ss-007M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 13:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-16 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLABS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135135		11/11/04 2338	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135135		11/11/04 2338	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135135		11/11/04 2338	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135135		11/11/04 2338	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135135		11/11/04 2338	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135135		11/11/04 2338	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/11/04 2338	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135135		11/11/04 2338	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 2338	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/11/04 2338	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135135		11/11/04 2338	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135135		11/11/04 2338	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 2338	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 2338	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellett

Customer Sample ID: ATAss-001M-S0
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231832-24
 Date Received.....: 11/10/2004
 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	97.9			0.10	0.10	1	%	134211		11/13/04 1113	daj
	% Moisture, Solid	2.1			0.10	0.10	1	%	134211		11/13/04 1113	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	134864		11/18/04 1803	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	134716		11/17/04 2001	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.060			0.0044	0.017	1	mg/Kg	135393		11/23/04 1418	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.3	15	1	mg/Kg	135031		11/21/04 0037	lmr
	Barium, Solid*	130			0.16	0.97	1	mg/Kg	135031		11/21/04 0037	lmr
	Arsenic, Solid*	8.2			0.50	1.5	1	mg/Kg	135031		11/21/04 0037	lmr
	Beryllium, Solid*	1.2			0.043	0.39	1	mg/Kg	135031		11/21/04 0037	lmr
	Cadmium, Solid*	0.10		B	0.078	0.24	1	mg/Kg	135031		11/21/04 0037	lmr
	Calcium, Solid*	18000			3.0	9.7	1	mg/Kg	135031		11/21/04 0037	lmr
	Chromium, Solid*	21			0.21	0.97	1	mg/Kg	135031		11/21/04 0037	lmr
	Cobalt, Solid*	8.1			0.14	0.49	1	mg/Kg	135031		11/21/04 0037	lmr
	Copper, Solid*	10			0.88	2.9	1	mg/Kg	135031		11/21/04 0037	lmr
	Iron, Solid*	16000			2.9	9.7	1	mg/Kg	135031		11/21/04 0037	lmr
	Magnesium, Solid*	3700			1.7	9.7	1	mg/Kg	135031		11/21/04 0037	lmr
	Manganese, Solid*	1500			0.13	0.97	1	mg/Kg	135031		11/21/04 0037	lmr
	Nickel, Solid*	16			0.24	0.97	1	mg/Kg	135031		11/21/04 0037	lmr
	Lead, Solid*	19			0.42	1.5	1	mg/Kg	135031		11/21/04 0037	lmr
	Potassium, Solid*	1000			13	49	1	mg/Kg	135031		11/21/04 0037	lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE BVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ATAss-001M-SO Date Sampled.....: 11/08/2004 Time Sampled.....: 10:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-24 Date Received.....: 11/10/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.0		B	0.39	1.5	1	mg/Kg	135031		11/21/04 0037	Lmr
	Silver, Solid*	0.97		U	0.30	0.97	1	mg/Kg	135031		11/21/04 0037	Lmr
	Sodium, Solid*	290			84	290	1	mg/Kg	135031		11/21/04 0037	Lmr
	Vanadium, Solid*	17			0.20	0.97	1	mg/Kg	135031		11/21/04 0037	Lmr
	Zinc, Solid*	56			0.39	1.9	1	mg/Kg	135031		11/21/04 0037	Lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCES				ATTN: Eric Ellis					
Customer Sample ID: ATAss-001M-SO Date Sampled.....: 11/08/2004 Time Sampled.....: 10:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-24 Date Received.....: 11/10/2004 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	135895		11/19/04 2247	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135895		11/19/04 2247	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135895		11/19/04 2247	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135895		11/19/04 2247	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135895		11/19/04 2247	san
	2,4,6-TMT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135895		11/19/04 2247	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135895		11/19/04 2247	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135895		11/19/04 2247	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135895		11/19/04 2247	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135895		11/19/04 2247	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135895		11/19/04 2247	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135895		11/19/04 2247	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135895		11/19/04 2247	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135895		11/19/04 2247	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 11/29/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGGS

ATTN: Eric Ellis

Customer Sample ID: ATAss-001W-DUP
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231832-5
 Date Received.....: 11/10/2004
 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	97.9			0.10	0.10	1	%	134211		11/13/04 1032	daj
	% Moisture, Solid	2.1			0.10	0.10	1	%	134211		11/13/04 1032	daj
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.42	1.3	1	mg/Kg	134864		11/18/04 1305	daj
7841	Thallium (GFAA) Thallium, Solid*	0.19		B	0.18	0.58	1	mg/Kg	134716		11/17/04 1216	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.056			0.0044	0.017	1	mg/Kg	135393		11/23/04 1324	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.3	14	1	mg/Kg	135031		11/20/04 2151	Lmr
	Barium, Solid*	130			0.15	0.96	1	mg/Kg	135031		11/20/04 2151	Lmr
	Arsenic, Solid*	8.5			0.49	1.4	1	mg/Kg	135031		11/20/04 2151	Lmr
	Beryllium, Solid*	1.2			0.042	0.38	1	mg/Kg	135031		11/20/04 2151	Lmr
	Cadmium, Solid*	0.10		B	0.077	0.24	1	mg/Kg	135031		11/20/04 2151	Lmr
	Calcium, Solid*	18000			3.0	9.6	1	mg/Kg	135031		11/20/04 2151	Lmr
	Chromium, Solid*	21			0.21	0.96	1	mg/Kg	135031		11/20/04 2151	Lmr
	Cobalt, Solid*	8.3			0.13	0.48	1	mg/Kg	135031		11/20/04 2151	Lmr
	Copper, Solid*	10			0.86	2.9	1	mg/Kg	135031		11/20/04 2151	Lmr
	Iron, Solid*	16000			2.9	9.6	1	mg/Kg	135031		11/20/04 2151	Lmr
	Magnesium, Solid*	3900			1.6	9.6	1	mg/Kg	135031		11/20/04 2151	Lmr
	Manganese, Solid*	1500			0.12	0.96	1	mg/Kg	135031		11/20/04 2151	Lmr
	Nickel, Solid*	16			0.24	0.96	1	mg/Kg	135031		11/20/04 2151	Lmr
	Lead, Solid*	19			0.41	1.4	1	mg/Kg	135031		11/20/04 2151	Lmr
	Potassium, Solid*	1000			13	48	1	mg/Kg	135031		11/20/04 2151	Lmr

* In Description = Dry Wgt.

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Job Number: 231832 LABORATORY TEST RESULTS Date: 11/29/2004

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

Customer Sample ID: ATAss-001M-DUP Laboratory Sample ID: 231832-5
 Date Sampled.....: 11/08/2004 Date Received.....: 11/10/2004
 Time Sampled.....: 10:15 Time Received.....: 09:45
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QC FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.2	B	0.38	1.4	1	mg/Kg	135031		11/20/04 2151	Lmr
	Silver, Solid*	0.96	U	0.30	0.96	1	mg/Kg	135031		11/20/04 2151	Lmr
	Sodium, Solid*	310		83	290	1	mg/Kg	135031		11/20/04 2151	Lmr
	Vanadium, Solid*	17		0.20	0.96	1	mg/Kg	135031		11/20/04 2151	Lmr
	Zinc, Solid*	56		0.38	1.9	1	mg/Kg	135031		11/20/04 2151	Lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS					Date: 12/02/2004					
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ATAss-001M-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 10:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-5 Date Received.....: 11/10/2004 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	135895		11/19/04 1126	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135895		11/19/04 1126	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135895		11/19/04 1126	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135895		11/19/04 1126	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135895		11/19/04 1126	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135895		11/19/04 1126	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135895		11/19/04 1126	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135895		11/19/04 1126	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135895		11/19/04 1126	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135895		11/19/04 1126	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135895		11/19/04 1126	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135895		11/19/04 1126	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135895		11/19/04 1126	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135895		11/19/04 1126	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellits

Customer Sample ID: ATAss-002M-SO
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 11:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231832-15
 Date Received.....: 11/10/2004
 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	98.8			0.10	0.10	1	%	134211		11/13/04 1054	daj
	% Moisture, Solid	1.2			0.10	0.10	1	%	134211		11/13/04 1054	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	134864		11/18/04 1531	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	134716		11/17/04 1518	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.020			0.0044	0.017	1	mg/Kg	135393		11/23/04 1351	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	3300			2.1	13	1	mg/Kg	135031		11/20/04 2317	lmr
	Barium, Solid*	22			0.14	0.88	1	mg/Kg	135031		11/20/04 2317	lmr
	Arsenic, Solid*	7.5			0.45	1.3	1	mg/Kg	135031		11/20/04 2317	lmr
	Beryllium, Solid*	0.24		B	0.039	0.35	1	mg/Kg	135031		11/20/04 2317	lmr
	Cadmium, Solid*	0.22		U	0.071	0.22	1	mg/Kg	135031		11/20/04 2317	lmr
	Calcium, Solid*	16000			2.7	8.8	1	mg/Kg	135031		11/20/04 2317	lmr
	Chromium, Solid*	36			0.19	0.88	1	mg/Kg	135031		11/20/04 2317	lmr
	Cobalt, Solid*	3.6			0.12	0.44	1	mg/Kg	135031		11/20/04 2317	lmr
	Copper, Solid*	15			0.79	2.6	1	mg/Kg	135031		11/20/04 2317	lmr
	Iron, Solid*	11000			2.6	8.8	1	mg/Kg	135031		11/20/04 2317	lmr
	Magnesium, Solid*	3300			1.5	8.8	1	mg/Kg	135031		11/20/04 2317	lmr
	Manganese, Solid*	330			0.11	0.88	1	mg/Kg	135031		11/20/04 2317	lmr
	Nickel, Solid*	18			0.22	0.88	1	mg/Kg	135031		11/20/04 2317	lmr
	Lead, Solid*	8.7			0.38	1.3	1	mg/Kg	135031		11/20/04 2317	lmr
	Potassium, Solid*	490			12	44	1	mg/Kg	135031		11/20/04 2317	lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS					Date: 11/29/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADES			ATTN: Eric Ellis						
Customer Sample ID: ATAss-002M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 11:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-15 Date Received.....: 11/10/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.49	B		0.35	1.3	1	mg/Kg	135031		11/20/04 2317	Lmr
	Silver, Solid*	0.88	U		0.27	0.88	1	mg/Kg	135031		11/20/04 2317	Lmr
	Sodium, Solid*	130	B		76	260	1	mg/Kg	135031		11/20/04 2317	Lmr
	Vanadium, Solid*	6.8			0.19	0.88	1	mg/Kg	135031		11/20/04 2317	Lmr
	Zinc, Solid*	49			0.35	1.8	1	mg/Kg	135031		11/20/04 2317	Lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP T4 AOC5				ATTN: Eric Ellis					
Customer Sample ID: ATAss-002M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 11:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-15 Date Received.....: 11/10/2004 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	135895		11/19/04 1723	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135895		11/19/04 1723	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135895		11/19/04 1723	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135895		11/19/04 1723	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135895		11/19/04 1723	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135895		11/19/04 1723	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135895		11/19/04 1723	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135895		11/19/04 1723	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135895		11/19/04 1723	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135895		11/19/04 1723	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135895		11/19/04 1723	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135895		11/19/04 1723	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135895		11/19/04 1723	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135895		11/19/04 1723	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 11/29/2004

CUSTOMER: NKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ATAss-003M-SO
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231832-10
 Date Received.....: 11/10/2004
 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	95.3			0.10	0.10	1	%	134211		11/13/04 1043	daj
	% Moisture, Solid	4.7			0.10	0.10	1	%	134211		11/13/04 1043	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	134864		11/18/04 1419	daj
7841	Thallium (GFAA) Thallium, Solid*	0.22		B	0.19	0.59	1	mg/Kg	134716		11/17/04 1338	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.036			0.0045	0.017	1	mg/Kg	135393		11/23/04 1340	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.4	15	1	mg/Kg	135031		11/20/04 2222	Lmr
	Barium, Solid*	67			0.16	1.0	1	mg/Kg	135031		11/20/04 2222	Lmr
	Arsenic, Solid*	10			0.52	1.5	1	mg/Kg	135031		11/20/04 2222	Lmr
	Beryllium, Solid*	0.64			0.044	0.40	1	mg/Kg	135031		11/20/04 2222	Lmr
	Cadmium, Solid*	0.25		U	0.081	0.25	1	mg/Kg	135031		11/20/04 2222	Lmr
	Calcium, Solid*	3300			3.1	10	1	mg/Kg	135031		11/20/04 2222	Lmr
	Chromium, Solid*	19			0.22	1.0	1	mg/Kg	135031		11/20/04 2222	Lmr
	Cobalt, Solid*	8.0			0.14	0.50	1	mg/Kg	135031		11/20/04 2222	Lmr
	Copper, Solid*	14			0.91	3.0	1	mg/Kg	135031		11/20/04 2222	Lmr
	Iron, Solid*	22000			3.0	10	1	mg/Kg	135031		11/20/04 2222	Lmr
	Magnesium, Solid*	2800			1.7	10	1	mg/Kg	135031		11/20/04 2222	Lmr
	Manganese, Solid*	420			0.13	1.0	1	mg/Kg	135031		11/20/04 2222	Lmr
	Nickel, Solid*	17			0.25	1.0	1	mg/Kg	135031		11/20/04 2222	Lmr
	Lead, Solid*	18			0.43	1.5	1	mg/Kg	135031		11/20/04 2222	Lmr
	Potassium, Solid*	1000			14	50	1	mg/Kg	135031		11/20/04 2222	Lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USAGE: RVAAP: 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: ATAss-003M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-10 Date Received.....: 11/10/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.67	B		0.40	1.5	1	mg/Kg	135031		11/20/04 2222	Lmr
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	135031		11/20/04 2222	Lmr
	Sodium, Solid*	240	B		88	300	1	mg/Kg	135031		11/20/04 2222	Lmr
	Vanadium, Solid*	22			0.21	1.0	1	mg/Kg	135031		11/20/04 2222	Lmr
	Zinc, Solid*	56			0.40	2.0	1	mg/Kg	135031		11/20/04 2222	Lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ATAss-003M-SO Date Sampled.....: 11/08/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-10 Date Received.....: 11/10/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	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	136076		11/24/04 2159	kdL
	beta-BHC, 3541 Solid*	1.8	U		0.16	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	delta-BHC, 3541 Solid*	1.8	U		0.11	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	gamma-BHC (Lindane), 3541 Solid*	1.8	U		0.24	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Heptachlor, 3541 Solid*	1.8	U		0.19	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Aldrin, 3541 Solid*	1.8	U		0.13	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Heptachlor epoxide, 3541 Solid*	1.8	U		0.14	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Endosulfan I, 3541 Solid*	1.8	U		0.28	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Dieldrin, 3541 Solid*	1.8	U		0.35	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	4,4'-DDE, 3541 Solid*	2.1	U		0.67	2.1	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Endrin, 3541 Solid*	1.8	U		0.45	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Endosulfan II, 3541 Solid*	1.8	U		0.29	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	4,4'-DDD, 3541 Solid*	1.8	U		0.37	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Endosulfan sulfate, 3541 Solid*	1.8	U		0.30	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	4,4'-DDT, 3541 Solid*	1.8	U		0.38	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Methoxychlor, 3541 Solid*	8.6	U		2.4	8.6	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	alpha-Chlordane, 3541 Solid*	1.8	U		0.12	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	gamma-Chlordane, 3541 Solid*	1.8	U		0.16	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Endrin aldehyde, 3541 Solid*	1.8	U		0.34	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Endrin ketone, 3541 Solid*	1.8	U		0.30	1.8	1.00000	ug/Kg	136076		11/24/04 2159	kdL
	Toxaphene, 3541 Solid*	17	U		4.8	17	1.00000	ug/Kg	136076		11/24/04 2159	kdL
Method	% Solids Determination											
	% Solids, Solid	95.3			0.10	0.10	1	%	134211		11/13/04 1043	daj
	% Moisture, Solid	4.7			0.10	0.10	1	%	134211		11/13/04 1043	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 12/01/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ATAss-003M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231832-10
 Date Received.....: 11/10/2004
 Time Received.....: 09:45

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*	34	U		9.2	34	1.00000	ug/Kg	135781		11/23/04 1900	bjt
	Aroclor 1221, 3541 Solid*	34	U		4.8	34	1.00000	ug/Kg	135781		11/23/04 1900	bjt
	Aroclor 1232, 3541 Solid*	17	U		4.7	17	1.00000	ug/Kg	135781		11/23/04 1900	bjt
	Aroclor 1242, 3541 Solid*	34	U		5.1	34	1.00000	ug/Kg	135781		11/23/04 1900	bjt
	Aroclor 1248, 3541 Solid*	17	U		3.8	17	1.00000	ug/Kg	135781		11/23/04 1900	bjt
	Aroclor 1254, 3541 Solid*	34	U		4.7	34	1.00000	ug/Kg	135781		11/23/04 1900	bjt
	Aroclor 1260, 3541 Solid*	34	U		13	34	1.00000	ug/Kg	135781		11/23/04 1900	bjt
Method	% Solids Determination	95.3			0.10	0.10	1	%	134211		11/13/04 1043	daj
	% Solids, Solid	4.7			0.10	0.10	1	%	134211		11/13/04 1043	daj
	% Moisture, Solid											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 11/18/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ATAss-003D-S0
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231793-17
 Date Received.....: 11/09/2004
 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	79.9			0.10	0.10	1	%	133996		11/11/04 1322	daj
8260B	% Moisture, Solid	20.1			0.10	0.10	1	%	133996		11/11/04 1322	daj
	Volatile Organics											
	Chloromethane, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Vinyl chloride, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Bromomethane, Solid*	6.3		U	1.6	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Chloroethane, Solid*	6.3		U	1.3	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	1,1-Dichloroethene, Solid*	6.3		U	1.6	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Carbon disulfide, Solid*	6.3		U	1.5	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Acetone, Solid*	19		U	5.8	19	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Methylene chloride, Solid*	13		U	3.6	13	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	trans-1,2-Dichloroethene, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	1,1-Dichloroethane, Solid*	6.3		U	1.3	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	cis-1,2-Dichloroethene, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	2-Butanone (MEK), Solid*	19		U	4.9	19	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Bromochloromethane, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Chloroform, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	1,1,1-Trichloroethane, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Carbon tetrachloride, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Benzene, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	1,2-Dichloroethane, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Trichloroethene, Solid*	6.3		U	1.2	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	1,2-Dichloropropene, Solid*	6.3		U	1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Bromodichloromethane, Solid*	6.3		U	1.3	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	cis-1,3-Dichloropropene, Solid*	6.3		U	1.2	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13		U	1.2	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Toluene, Solid*	6.3		U	1.3	13	1.00000	ug/Kg	133968		11/10/04 2017	jdj
					1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 11/18/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ATAss-003D-S0
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231793-17
 Date Received.....: 11/09/2004
 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*	6.3	U		0.99	6.3						
	1,1,2-Trichloroethane, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Tetrachloroethene, Solid*	6.3	U		1.5	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	2-Hexanone, Solid*	13	U		1.4	13	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Dibromochloromethane, Solid*	6.3	U		0.99	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	1,2-Dibromoethane (EDB), Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Chlorobenzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Ethylbenzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	m&p-Xylenes, Solid*	13	U		1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	o-Xylene, Solid*	6.3	U		2.9	13	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Styrene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Bromoform, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.3	U		0.94	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	1,2-Dichloroethene (total), Solid*	13	U		1.2	6.3	1.00000	ug/Kg	133968		11/10/04 2017	jdj
	Xylenes (total), Solid*	13	U		2.6	13	1.00000	ug/Kg	133968		11/10/04 2017	jdj
					4.3	13	1.00000	ug/Kg	133968		11/10/04 2017	jdj

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date:12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: ATAss-003M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-10 Date Received.....: 11/10/2004 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*	170	U		7.1	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	67	U		8.9	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	1,3-Dichlorobenzene, 3541 Low Solid*	170	U		13	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	1,4-Dichlorobenzene, 3541 Low Solid*	170	U		15	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	1,2-Dichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Benzyl alcohol, 3541 Low Solid*	670	U		74	670	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2-Methylphenol (o-cresol), 3541 Low Solid*	67	U		10	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	67	U		13	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Hexachloroethane, 3541 Low Solid*	170	U		8.6	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	67	U		12	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2-Chlorophenol, 3541 Low Solid*	170	U		13	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Nitrobenzene, 3541 Low Solid*	33	U		8.6	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	67	U		8.8	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	1,2,4-Trichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Benzoic acid, 3541 Low Solid*	670	U	*	200	670	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Isophorone, 3541 Low Solid*	170	U		20	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2,4-Dimethylphenol, 3541 Low Solid*	330	U		16	330	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Hexachlorobutadiene, 3541 Low Solid*	170	U		9.0	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Naphthalene, 3541 Low Solid*	33	U		8.4	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2,4-Dichlorophenol, 3541 Low Solid*	330	U		15	330	1.00000	ug/Kg	135735		11/29/04 1016	glr
	4-Chloroaniline, 3541 Low Solid*	670	U		54	670	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2,4,6-Trichlorophenol, 3541 Low Solid*	170	U		37	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2,4,5-Trichlorophenol, 3541 Low Solid*	330	U		45	330	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Hexachlorocyclopentadiene, 3541 Low Solid*	1000	U		300	1000	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2-Methylnaphthalene, 3541 Low Solid*	33	U		10	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2-Nitroaniline, 3541 Low Solid*	170	U		11	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2-Chloronaphthalene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135735		11/29/04 1016	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231832				Date: 12/06/2004								
CUSTOMER: KIM Engineers, Inc.				PROJECT: USAGE RVAAP IA AOCs				ATTN: Eric Ellits				
Customer Sample ID: ATAss-003M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil						Laboratory Sample ID: 231832-10 Date Received.....: 11/10/2004 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*	330	U		35	330	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2,6-Dinitrotoluene, 3541 Low Solid*	33	U		9.2	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2-Nitrophenol, 3541 Low Solid*	330	U		15	330	1.00000	ug/Kg	135735		11/29/04 1016	glr
	3-Nitroaniline, 3541 Low Solid*	670	U		140	670	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Dimethyl phthalate, 3541 Low Solid*	67	U		8.9	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2,4-Dinitrophenol, 3541 Low Solid*	670	U	*	100	670	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Acenaphthylene, 3541 Low Solid*	33	U		8.3	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	2,4-Dinitrotoluene, 3541 Low Solid*	33	U		10	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Acenaphthene, 3541 Low Solid*	33	U		8.3	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Dibenzofuran, 3541 Low Solid*	67	U		8.8	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	4-Nitrophenol, 3541 Low Solid*	670	U		210	670	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Fluorene, 3541 Low Solid*	33	U		9.0	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	4-Nitroaniline, 3541 Low Solid*	670	U		45	670	1.00000	ug/Kg	135735		11/29/04 1016	glr
	4-Bromophenyl phenyl ether, 3541 Low Solid*	170	U		10	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Hexachlorobenzene, 3541 Low Solid*	33	U		9.5	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Diethyl phthalate, 3541 Low Solid*	67	U		9.5	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	170	U		9.9	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Pentachlorophenol, 3541 Low Solid*	330	U		110	330	1.00000	ug/Kg	135735		11/29/04 1016	glr
	n-Nitrosodiphenylamine, 3541 Low Solid*	33	U		10	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	670	U		170	670	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Phenanthrene, 3541 Low Solid*	50	U		15	50	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Anthracene, 3541 Low Solid*	33	U		11	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Carbazole, 3541 Low Solid*	170	U		12	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Di-n-butyl phthalate, 3541 Low Solid*	170	U		11	170	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Fluoranthene, 3541 Low Solid*	33	U		11	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Pyrene, 3541 Low Solid*	50	U		12	50	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Butyl benzyl phthalate, 3541 Low Solid*	67	U		10	67	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Benzo(a)anthracene, 3541 Low Solid*	33	U		9.9	33	1.00000	ug/Kg	135735		11/29/04 1016	glr
	Chrysene, 3541 Low Solid*	33	U		10	33	1.00000	ug/Kg	135735		11/29/04 1016	glr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ATass-003M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-10 Date Received.....: 11/10/2004 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*	170	U	15	170	1.00000	ug/Kg	135735		11/29/04 1016	glr	
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	170	U	32	170	1.00000	ug/Kg	135735		11/29/04 1016	glr	
	Di-n-octyl phthalate, 3541 Low Solid*	330	U	10	330	1.00000	ug/Kg	135735		11/29/04 1016	glr	
	Benzo(b)fluoranthene, 3541 Low Solid*	14	J	8.9	33	1.00000	ug/Kg	135735		11/29/04 1016	glr	
	Benzo(k)fluoranthene, 3541 Low Solid*	33	U	9.4	33	1.00000	ug/Kg	135735		11/29/04 1016	glr	
	Benzo(a)pyrene, 3541 Low Solid*	33	U	9.5	33	1.00000	ug/Kg	135735		11/29/04 1016	glr	
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	33	U	10	33	1.00000	ug/Kg	135735		11/29/04 1016	glr	
	Dibenzo(a,h)anthracene, 3541 Low Solid*	33	U	9.5	33	1.00000	ug/Kg	135735		11/29/04 1016	glr	
	Benzo(ghi)perylene, 3541 Low Solid*	33	U	11	33	1.00000	ug/Kg	135735		11/29/04 1016	glr	
Method	% Solids Determination											
	% Solids, Solid	95.3		0.10	0.10	1	%	134211		11/13/04 1043	daj	
	% Moisture, Solid	4.7		0.10	0.10	1	%	134211		11/13/04 1043	daj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231832								Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVARP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: ATAss-003M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil						Laboratory Sample ID: 231832-10 Date Received.....: 11/10/2004 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)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135895		11/19/04 1408	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135895		11/19/04 1408	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135895		11/19/04 1408	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135895		11/19/04 1408	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135895		11/19/04 1408	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135895		11/19/04 1408	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135895		11/19/04 1408	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135895		11/19/04 1408	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135895		11/19/04 1408	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135895		11/19/04 1408	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135895		11/19/04 1408	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135895		11/19/04 1408	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135895		11/19/04 1408	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135895		11/19/04 1408	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	135888		11/19/04 0147	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ATAss-003M-SO

Trace Level Organic Compounds

Lot-Sample #....: G4K100349-003 Work Order #....: GWNQD1AA Matrix.....: SOLID
Date Sampled....: 11/08/04 09:20 Date Received...: 11/10/04
Prep Date.....: 11/16/04 Analysis Date...: 11/17/04
Prep Batch #....: 4321529
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: ATAss-003W-SO

General Chemistry

Lot-Sample #....: G4K100349-003 Work Order #....: GWNQD
Date Sampled....: 11/08/04 09:20 Date Received...: 11/10/04

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION -</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Nitrocellulose	1.9 B,U	2.0	mg/kg	MCAMW 353.2	11/11-11/13/04	4316564
			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: 231832

Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ATAss-004M-S0
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 231832-14
 Date Received.....: 11/10/2004
 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	97.6		0.10	0.10	1	%	134211		11/13/04 1051	daj
	% Moisture, Solid	2.4		0.10	0.10	1	%	134211		11/13/04 1051	daj
7041	Antimony (GFAA)										
	Antimony, Solid*	1.4	U	0.44	1.4	1	mg/Kg	134864		11/18/04 1519	daj
7841	Thallium (GFAA)										
	Thallium, Solid*	0.60	U	0.19	0.60	1	mg/Kg	134716		11/17/04 1446	daj
7471A	Mercury (CVAA) Solids										
	Mercury, Solid*	0.038		0.0044	0.017	1	mg/Kg	135393		11/23/04 1349	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	9700		2.3	14	1	mg/Kg	135031		11/20/04 2310	Lmr
	Barium, Solid*	76		0.15	0.95	1	mg/Kg	135031		11/20/04 2310	Lmr
	Arsenic, Solid*	8.9		0.49	1.4	1	mg/Kg	135031		11/20/04 2310	Lmr
	Beryllium, Solid*	0.83		0.042	0.38	1	mg/Kg	135031		11/20/04 2310	Lmr
	Cadmium, Solid*	0.24	U	0.076	0.24	1	mg/Kg	135031		11/20/04 2310	Lmr
	Calcium, Solid*	16000		3.0	9.5	1	mg/Kg	135031		11/20/04 2310	Lmr
	Chromium, Solid*	16		0.21	0.95	1	mg/Kg	135031		11/20/04 2310	Lmr
	Cobalt, Solid*	7.4		0.13	0.48	1	mg/Kg	135031		11/20/04 2310	Lmr
	Copper, Solid*	13		0.86	2.9	1	mg/Kg	135031		11/20/04 2310	Lmr
	Iron, Solid*	16000		2.9	9.5	1	mg/Kg	135031		11/20/04 2310	Lmr
	Magnesium, Solid*	3700		1.6	9.5	1	mg/Kg	135031		11/20/04 2310	Lmr
	Manganese, Solid*	860		0.12	0.95	1	mg/Kg	135031		11/20/04 2310	Lmr
	Nickel, Solid*	16		0.24	0.95	1	mg/Kg	135031		11/20/04 2310	Lmr
	Lead, Solid*	15		0.41	1.4	1	mg/Kg	135031		11/20/04 2310	Lmr
	Potassium, Solid*	1100		13	48	1	mg/Kg	135031		11/20/04 2310	Lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS					Date: 11/29/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ATAss-004M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 09:55 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-14 Date Received.....: 11/10/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.45	B		0.38	1.4	1	mg/Kg	135031		11/20/04 2310	Lmr
	Silver, Solid*	0.95	U		0.30	0.95	1	mg/Kg	135031		11/20/04 2310	Lmr
	Sodium, Solid*	270	B		83	290	1	mg/Kg	135031		11/20/04 2310	Lmr
	Vanadium, Solid*	15			0.20	0.95	1	mg/Kg	135031		11/20/04 2310	Lmr
	Zinc, Solid*	57			0.38	1.9	1	mg/Kg	135031		11/20/04 2310	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: ATAss-004M-SO
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 231832-14
 Date Received.....: 11/10/2004
 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	135895		11/19/04 1651	san
	RDX, Solid	0.20	U	0.063	0.20	1.00000	mg/Kg	135895		11/19/04 1651	san
	1,3,5-Trinitrobenzene, Solid	0.10	U	0.033	0.10	1.00000	mg/Kg	135895		11/19/04 1651	san
	1,3-Dinitrobenzene, Solid	0.10	U	0.023	0.10	1.00000	mg/Kg	135895		11/19/04 1651	san
	Nitrobenzene, Solid	0.10	U	0.021	0.10	1.00000	mg/Kg	135895		11/19/04 1651	san
	2,4,6-TNT, Solid	0.10	U	0.024	0.10	1.00000	mg/Kg	135895		11/19/04 1651	san
	Tetryl, Solid	0.40	U	0.12	0.40	1.00000	mg/Kg	135895		11/19/04 1651	san
	2,4-Dinitrotoluene, Solid	0.10	U	0.026	0.10	1.00000	mg/Kg	135895		11/19/04 1651	san
	2,6-Dinitrotoluene, Solid	0.20	U	0.049	0.20	1.00000	mg/Kg	135895		11/19/04 1651	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U	0.045	0.20	1.00000	mg/Kg	135895		11/19/04 1651	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U	0.094	0.30	1.00000	mg/Kg	135895		11/19/04 1651	san
	2-Nitrotoluene, Solid	0.20	U	0.048	0.20	1.00000	mg/Kg	135895		11/19/04 1651	san
	4-Nitrotoluene, Solid	0.20	U	0.050	0.20	1.00000	mg/Kg	135895		11/19/04 1651	san
	3-Nitrotoluene, Solid	0.20	U	0.053	0.20	1.00000	mg/Kg	135895		11/19/04 1651	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231833

Date: 11/23/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ATAss-005M-SO
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231833-2
 Date Received.....: 11/10/2004
 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	97.9			0.10	0.10	1	%	134159		11/12/04 1607	gok
	% Moisture, Solid	2.1			0.10	0.10	1	%	134159		11/12/04 1607	gok
7041	Antimony (GFAA) Antimony, Solid*	0.59		B	0.42	1.3	1	mg/Kg	134864		11/19/04 0009	daj
7841	Thallium (GFAA) Thallium, Solid*	0.57		U	0.18	0.57	1	mg/Kg	134716		11/18/04 0012	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.054			0.0044	0.017	1	mg/Kg	134658		11/17/04 1219	gok
601DB	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.4	15	1	mg/Kg	135060		11/21/04 2124	tds
	Barium, Solid*	67			0.16	1.0	1	mg/Kg	135030		11/20/04 1225	lmr
	Arsenic, Solid*	54			0.51	1.5	1	mg/Kg	135030		11/20/04 1225	lmr
	Beryllium, Solid*	0.63			0.044	0.40	1	mg/Kg	135030		11/20/04 1225	lmr
	Cadmium, Solid*	0.18		B	0.080	0.25	1	mg/Kg	135030		11/20/04 1225	lmr
	Calcium, Solid*	1500			3.1	10	1	mg/Kg	135030		11/20/04 1225	lmr
	Chromium, Solid*	19			0.22	1.0	1	mg/Kg	135030		11/20/04 1225	lmr
	Cobalt, Solid*	8.5			0.14	0.50	1	mg/Kg	135030		11/20/04 1225	lmr
	Copper, Solid*	9.3			0.90	3.0	1	mg/Kg	135060		11/21/04 2124	tds
	Iron, Solid*	21000			3.0	10	1	mg/Kg	135030		11/20/04 1225	lmr
	Magnesium, Solid*	1800			1.7	10	1	mg/Kg	135030		11/20/04 1225	lmr
	Manganese, Solid*	860			0.13	1.0	1	mg/Kg	135030		11/20/04 1225	lmr
	Nickel, Solid*	13			0.25	1.0	1	mg/Kg	135030		11/20/04 1225	lmr
	Lead, Solid*	23			0.43	1.5	1	mg/Kg	135030		11/20/04 1225	lmr
	Potassium, Solid*	870			14	50	1	mg/Kg	135060		11/21/04 2124	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231833

Date: 11/23/2004

CUSTOMER: HOK Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ATAss-005N-SO
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231833-2
 Date Received.....: 11/10/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.0	B		0.40	1.5	1	mg/Kg	135030		11/20/04 1225	Lmr
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	135030		11/20/04 1225	Lmr
	Sodium, Solid*	300	U		87	300	1	mg/Kg	135060		11/21/04 2124	tds
	Vanadium, Solid*	24			0.21	1.0	1	mg/Kg	135030		11/20/04 1225	Lmr
	Zinc, Solid*	56			0.40	2.0	1	mg/Kg	135030		11/20/04 1225	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231833								Date: 11/24/2004				
CUSTOMER: HKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOC5				ATTN: Eric Ellis				
Customer Sample ID: ATAss-005M-S0 Date Sampled.....: 11/08/2004 Time Sampled.....: 09:00 Sample Matrix.....: Soil						Laboratory Sample ID: 231833-2 Date Received.....: 11/10/2004 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	135387		11/14/04 0832	bdw
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135387		11/14/04 0832	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135387		11/14/04 0832	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-001M-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-11
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.0			0.10	0.10	1	%	133528		11/08/04 1302	daj
	% Moisture, Solid	10.0			0.10	0.10	1	%	133528		11/08/04 1302	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	133945		11/10/04 2014	daj
7841	Thallium (GFAA) Thallium, Solid*	0.64		U	0.20	0.64	1	mg/Kg	134116		11/12/04 0519	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.050			0.0048	0.018	1	mg/Kg	134651		11/16/04 1611	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	24000			2.6	16	1	mg/Kg	134454		11/15/04 1814	tds
	Barium, Solid*	290			0.17	1.1	1	mg/Kg	134454		11/15/04 1814	tds
	Arsenic, Solid*	5.9			0.56	1.6	1	mg/Kg	134454		11/15/04 1814	tds
	Beryllium, Solid*	4.3			0.048	0.44	1	mg/Kg	134454		11/15/04 1814	tds
	Cadmium, Solid*	0.64			0.087	0.27	1	mg/Kg	134454		11/15/04 1814	tds
	Calcium, Solid*	91000			3.4	11	1	mg/Kg	134454		11/15/04 1814	tds
	Chromium, Solid*	17			0.24	1.1	1	mg/Kg	134454		11/15/04 1814	tds
	Cobalt, Solid*	3.3			0.15	0.55	1	mg/Kg	134454		11/15/04 1814	tds
	Copper, Solid*	13			0.98	3.3	1	mg/Kg	134454		11/15/04 1814	tds
	Iron, Solid*	11000			3.3	11	1	mg/Kg	134454		11/15/04 1814	tds
	Magnesium, Solid*	14000			1.9	11	1	mg/Kg	134454		11/15/04 1814	tds
	Manganese, Solid*	3500			0.71	5.5	5	mg/Kg	134566		11/16/04 1902	tds
	Nickel, Solid*	9.4			0.27	1.1	1	mg/Kg	134454		11/15/04 1814	tds
	Lead, Solid*	43			0.47	1.6	1	mg/Kg	134454		11/15/04 1814	tds
	Potassium, Solid*	2300			15	55	1	mg/Kg	134454		11/15/04 1814	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-001M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 09:05 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-11 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.8			0.44	1.6	1	mg/Kg	134454		11/15/04 1814	tds
	Silver, Solid*	1.1	U		0.34	1.1	1	mg/Kg	134454		11/15/04 1814	tds
	Sodium, Solid*	930			95	330	1	mg/Kg	134454		11/15/04 1814	tds
	Vanadium, Solid*	11			0.23	1.1	1	mg/Kg	134454		11/15/04 1814	tds
	Zinc, Solid*	180			0.44	2.2	1	mg/Kg	134454		11/15/04 1814	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: ASYss-001M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-11
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	134860		11/12/04 0416	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134860		11/12/04 0416	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134860		11/12/04 0416	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134860		11/12/04 0416	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134860		11/12/04 0416	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134860		11/12/04 0416	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134860		11/12/04 0416	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134860		11/12/04 0416	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134860		11/12/04 0416	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.046	J	a	0.046	0.20	1.00000	mg/Kg	134860		11/12/04 0416	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134860		11/12/04 0416	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134860		11/12/04 0416	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134860		11/12/04 0416	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134860		11/12/04 0416	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYas-002M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-10
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.8			0.10	0.10	1	%	133528		11/08/04 1300	daj
	% Moisture, Solid	9.2			0.10	0.10	1	%	133528		11/08/04 1300	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	133945		11/10/04 2003	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	134116		11/12/04 0507	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.039			0.0047	0.018	1	mg/Kg	134651		11/16/04 1609	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	17000			2.5	16	1	mg/Kg	134454		11/15/04 1808	tds
	Barium, Solid*	180			0.17	1.1	1	mg/Kg	134454		11/15/04 1808	tds
	Arsenic, Solid*	8.9			0.54	1.6	1	mg/Kg	134454		11/15/04 1808	tds
	Beryllium, Solid*	3.2			0.047	0.42	1	mg/Kg	134454		11/15/04 1808	tds
	Cadmium, Solid*	0.17		B	0.085	0.27	1	mg/Kg	134454		11/15/04 1808	tds
	Calcium, Solid*	67000			3.3	11	1	mg/Kg	134454		11/15/04 1808	tds
	Chromium, Solid*	23			0.23	1.1	1	mg/Kg	134454		11/15/04 1808	tds
	Cobalt, Solid*	4.7			0.15	0.53	1	mg/Kg	134454		11/15/04 1808	tds
	Copper, Solid*	16			0.95	3.2	1	mg/Kg	134454		11/15/04 1808	tds
	Iron, Solid*	18000			3.2	11	1	mg/Kg	134454		11/15/04 1808	tds
	Magnesium, Solid*	10000			1.8	11	1	mg/Kg	134454		11/15/04 1808	tds
	Manganese, Solid*	1400			0.14	1.1	1	mg/Kg	134454		11/15/04 1808	tds
	Nickel, Solid*	17			0.27	1.1	1	mg/Kg	134454		11/15/04 1808	tds
	Lead, Solid*	14			0.46	1.6	1	mg/Kg	134454		11/15/04 1808	tds
Potassium, Solid*	1800			15	53	1	mg/Kg	134454		11/15/04 1808	tds	

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-002M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 09:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-10 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLACS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.63	B		0.42	1.6	1	mg/Kg	134454		11/15/04 1808	tds
	Silver, Solid*	1.1	U		0.33	1.1	1	mg/Kg	134454		11/15/04 1808	tds
	Sodium, Solid*	780			92	320	1	mg/Kg	134454		11/15/04 1808	tds
	Vanadium, Solid*	14			0.22	1.1	1	mg/Kg	134454		11/15/04 1808	tds
	Zinc, Solid*	43			0.42	2.1	1	mg/Kg	134454		11/15/04 1808	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYas-002M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 09:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-10 Date Received.....: 11/06/2004 Time Received.....: 11:00									
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	0.99	U		0.28	0.99	5.00000	mg/Kg	134860		11/12/04 0344	san
	RDX, Solid	0.99	U		0.31	0.99	5.00000	mg/Kg	134860		11/12/04 0344	san
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	134860		11/12/04 0344	san
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	134860		11/12/04 0344	san
	Nitrobenzene, Solid	0.50	U		0.10	0.50	5.00000	mg/Kg	134860		11/12/04 0344	san
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	134860		11/12/04 0344	san
	Tetryl, Solid	2.0	U		0.60	2.0	5.00000	mg/Kg	134860		11/12/04 0344	san
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	134860		11/12/04 0344	san
	2,6-Dinitrotoluene, Solid	0.99	U		0.24	0.99	5.00000	mg/Kg	134860		11/12/04 0344	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.99	U		0.23	0.99	5.00000	mg/Kg	134860		11/12/04 0344	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	134860		11/12/04 0344	san
	2-Nitrotoluene, Solid	0.99	U		0.24	0.99	5.00000	mg/Kg	134860		11/12/04 0344	san
	4-Nitrotoluene, Solid	0.99	U		0.25	0.99	5.00000	mg/Kg	134860		11/12/04 0344	san
	3-Nitrotoluene, Solid	0.99	U		0.26	0.99	5.00000	mg/Kg	134860		11/12/04 0344	san

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: BKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-003M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 10:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231793-11 Date Received.....: 11/09/2004 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	98.3			0.10	0.10	1	%	133996		11/11/04 1312	daj
	% Solids, Solid				0.10	0.10	1	%	133996		11/11/04 1312	daj
	% Moisture, Solid	1.7										
7041	Antimony (GFAA) Antimony, Solid*	1.2		U	0.39	1.2	1	mg/Kg	134574		11/17/04 0349	daj
7841	Thallium (GFAA) Thallium, Solid*	0.53		U	0.17	0.53	1	mg/Kg	134623		11/17/04 1012	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.022			0.0044	0.017	1	mg/Kg	134643		11/16/04 1544	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	22000			2.4	15	1	mg/Kg	133930		11/11/04 0438	tds
	Barium, Solid*	230			0.16	1.0	1	mg/Kg	133930		11/11/04 0438	tds
	Arsenic, Solid*	6.5			0.52	1.5	1	mg/Kg	133930		11/11/04 0438	tds
	Beryllium, Solid*	4.5			0.045	0.41	1	mg/Kg	133930		11/11/04 0438	tds
	Cadmium, Solid*	0.30			0.081	0.25	1	mg/Kg	134066		11/11/04 2040	tds
	Calcium, Solid*	140000			16	51	5	mg/Kg	134066		11/11/04 2046	tds
	Chromium, Solid*	19			0.22	1.0	1	mg/Kg	133930		11/11/04 0438	tds
	Cobalt, Solid*	3.4			0.14	0.51	1	mg/Kg	133930		11/11/04 0438	tds
	Copper, Solid*	15			0.92	3.1	1	mg/Kg	133930		11/11/04 0438	tds
	Iron, Solid*	12000			3.1	10	1	mg/Kg	133930		11/11/04 0438	tds
	Magnesium, Solid*	14000			1.7	10	1	mg/Kg	133930		11/11/04 0438	tds
	Manganese, Solid*	3100			0.66	5.1	5	mg/Kg	134066		11/11/04 2046	tds
	Nickel, Solid*	11			0.25	1.0	1	mg/Kg	133930		11/11/04 0438	tds
	Lead, Solid*	16			0.44	1.5	1	mg/Kg	133930		11/11/04 0438	tds
	Potassium, Solid*	2200			14	51	1	mg/Kg	133930		11/11/04 0438	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231793								Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP T4 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYss-003M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 10:40 Sample Matrix.....: Soil						Laboratory Sample ID: 231793-11 Date Received.....: 11/09/2004 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6			0.41	1.5	1	mg/Kg	133930		11/11/04 0438	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	133930		11/11/04 0438	tds
	Sodium, Solid*	1000			88	310	1	mg/Kg	133930		11/11/04 0438	tds
	Vanadium, Solid*	12			0.21	1.0	1	mg/Kg	133930		11/11/04 0438	tds
	Zinc, Solid*	43			0.41	2.0	1	mg/Kg	133930		11/11/04 0438	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MGM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Eljja					
Customer Sample ID: ASYss-003M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 10:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231793-11 Date Received.....: 11/09/2004 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)											
	MMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135178		11/14/04 0517	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135178		11/14/04 0517	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135178		11/14/04 0517	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135178		11/14/04 0517	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135178		11/14/04 0517	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135178		11/14/04 0517	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135178		11/14/04 0517	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135178		11/14/04 0517	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135178		11/14/04 0517	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.069	U	a	0.045	0.20	1.00000	mg/Kg	135178		11/14/04 0517	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	J		0.093	0.30	1.00000	mg/Kg	135178		11/14/04 0517	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135178		11/14/04 0517	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135178		11/14/04 0517	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135178		11/14/04 0517	san

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-004M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 14:05 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-21 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DELUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.0			0.10	0.10	1	%	133528		11/08/04 1324	daj
	% Moisture, Solid	9.0			0.10	0.10	1	%	133528		11/08/04 1324	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	133945		11/10/04 2242	daj
7841	Thallium (GFAA) Thallium, Solid*	0.65		U	0.20	0.65	1	mg/Kg	134116		11/12/04 0827	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.053			0.0047	0.018	1	mg/Kg	134651		11/16/04 1645	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			2.5	16	1	mg/Kg	134454		11/15/04 1958	tds
	Barium, Solid*	140			0.17	1.0	1	mg/Kg	134454		11/15/04 1958	tds
	Arsenic, Solid*	11			0.53	1.6	1	mg/Kg	134454		11/15/04 1958	tds
	Beryllium, Solid*	1.9			0.046	0.41	1	mg/Kg	134454		11/15/04 1958	tds
	Cadmium, Solid*	0.24		B	0.083	0.26	1	mg/Kg	134454		11/15/04 1958	tds
	Calcium, Solid*	50000			3.2	10	1	mg/Kg	134454		11/15/04 1958	tds
	Chromium, Solid*	20			0.23	1.0	1	mg/Kg	134454		11/15/04 1958	tds
	Cobalt, Solid*	6.2			0.14	0.52	1	mg/Kg	134454		11/15/04 1958	tds
	Copper, Solid*	38			0.93	3.1	1	mg/Kg	134454		11/15/04 1958	tds
	Iron, Solid*	17000			3.1	10	1	mg/Kg	134454		11/15/04 1958	tds
	Magnesium, Solid*	7100			1.8	10	1	mg/Kg	134454		11/15/04 1958	tds
	Manganese, Solid*	1300			0.13	1.0	1	mg/Kg	134454		11/15/04 1958	tds
	Nickel, Solid*	17			0.26	1.0	1	mg/Kg	134454		11/15/04 1958	tds
	Lead, Solid*	28			0.44	1.6	1	mg/Kg	134454		11/15/04 1958	tds
	Potassium, Solid*	1600			14	52	1	mg/Kg	134454		11/15/04 1958	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MCK Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-004M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-21
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6	U		0.41	1.6	1	mg/Kg	134454		11/15/04 1958	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	134454		11/15/04 1958	tds
	Sodium, Solid*	530			90	310	1	mg/Kg	134454		11/15/04 1958	tds
	Vanadium, Solid*	16			0.22	1.0	1	mg/Kg	134454		11/15/04 1958	tds
	Zinc, Solid*	64			0.41	2.1	1	mg/Kg	134454		11/15/04 1958	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis					
Customer Sample ID: ASYss-004M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 14:05 Sample Matrix.....: Soil				Laboratory Sample ID: 231757-21 Date Received.....: 11/06/2004 Time Received.....: 11:00								
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*	35	U		3.3	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	beta-BHC, 3541 Solid*	35	U		3.1	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	delta-BHC, 3541 Solid*	35	U		2.3	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	gamma-BHC (Lindane), 3541 Solid*	35	U		4.8	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Heptachlor, 3541 Solid*	35	U		3.7	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Aldrin, 3541 Solid*	35	U		2.7	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Heptachlor epoxide, 3541 Solid*	35	U		2.9	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Endosulfan I, 3541 Solid*	35	U		5.6	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Dieldrin, 3541 Solid*	35	U		7.0	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	4,4'-DDE, 3541 Solid*	41	U		13	41	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Endrin, 3541 Solid*	35	U		8.9	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Endosulfan II, 3541 Solid*	35	U		5.8	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	4,4'-DDD, 3541 Solid*	35	U		7.5	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Endosulfan sulfate, 3541 Solid*	35	U		6.0	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	4,4'-DDT, 3541 Solid*	35	U		7.7	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Methoxychlor, 3541 Solid*	170	U		48	170	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	alpha-Chlordane, 3541 Solid*	35	U		2.5	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	gamma-Chlordane, 3541 Solid*	35	U		3.1	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Endrin aldehyde, 3541 Solid*	35	U		6.8	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
	Endrin ketone, 3541 Solid*	35	U		6.0	35	20.0000	ug/Kg	135867		11/24/04 1917	kdl
Toxaphene, 3541 Solid*	350	U		95	350	20.0000	ug/Kg	135867		11/24/04 1917	kdl	
Method	% Solids Determination											
	% Solids, Solid	91.0			0.10	0.10	1	%	133528		11/08/04 1324	daj
	% Moisture, Solid	9.0			0.10	0.10	1	%	133528		11/08/04 1324	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231757								Date: 12/01/2004				
CUSTOMER: MCM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: ASYss-004M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 14:05 Sample Matrix.....: Soil						Laboratory Sample ID: 231757-21 Date Received.....: 11/06/2004 Time Received.....: 11:00						
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*	34		U	9.2	34	1.00000	ug/Kg	135616		11/23/04 1417	bjt
	Aroclor 1221, 3541 Solid*	34		U	4.8	34	1.00000	ug/Kg	135616		11/23/04 1417	bjt
	Aroclor 1232, 3541 Solid*	17		U	4.7	17	1.00000	ug/Kg	135616		11/23/04 1417	bjt
	Aroclor 1242, 3541 Solid*	34		U	5.1	34	1.00000	ug/Kg	135616		11/23/04 1417	bjt
	Aroclor 1248, 3541 Solid*	17		U	3.8	17	1.00000	ug/Kg	135616		11/23/04 1417	bjt
	Aroclor 1254, 3541 Solid*	34		U	4.7	34	1.00000	ug/Kg	135616		11/23/04 1417	bjt
	Aroclor 1260, 3541 Solid*	54			13	34	1.00000	ug/Kg	135616		11/23/04 1417	bjt
Method	% Solids Determination											
	% Solids, Solid	91.0			0.10	0.10	1	%	133528		11/08/04 1324	daj
	% Moisture, Solid	9.0			0.10	0.10	1	%	133528		11/08/04 1324	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/18/2004

CUSTOMER: NKK Engineers, Inc.

PROJECT: USACE RWAPP T4 ADCS

ATTN: Eric Elise

Customer Sample ID: ASYss-004D-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 14:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-4
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	80.6		0.10	0.10	1	%	133528		11/08/04 1249	daj
	% Moisture, Solid	19.4		0.10	0.10	1	%	133528		11/08/04 1249	daj
8260B	Volatile Organics										
	Chloromethane, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Vinyl chloride, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Bromomethane, Solid*	6.2	U	1.6	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Chloroethane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	1,1-Dichloroethene, Solid*	6.2	U	1.6	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Carbon disulfide, Solid*	6.2	U	1.5	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Acetone, Solid*	19	U	5.7	19	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Methylene chloride, Solid*	12	U	3.6	12	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	trans-1,2-Dichloroethene, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	1,1-Dichloroethane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	cis-1,2-Dichloroethene, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	2-Butanone (MEK), Solid*	19	U	4.8	19	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Bromochloromethane, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Chloroform, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	1,1,1-Trichloroethane, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Carbon tetrachloride, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Benzene, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	1,2-Dichloroethane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Trichloroethene, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
1,2-Dichloropropane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj	
Bromodichloromethane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj	
cis-1,3-Dichloropropene, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj	
4-Methyl-2-pentanone (MIBK), Solid*	12	U	1.2	12	1.00000	ug/Kg	134342		11/12/04 1558	jdj	
Toluene, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj	

AC
11/22/04

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKH Engineers, Inc.			PROJECT: USACE RYAN# 14 ACES			ATTN: EFFE ELITE						
Customer Sample ID: ASYss-004D-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 14:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-4 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.2	U		0.98	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	1,1,2-Trichloroethane, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Tetrachloroethene, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	2-Hexanone, Solid*	12	U		1.4	12	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Dibromochloromethane, Solid*	6.2	U		0.98	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	1,2-Dibromoethane (EDB), Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Chlorobenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Ethylbenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	m,p-Xylenes, Solid*	12	U		2.9	12	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	o-Xylene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Styrene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Bromoform, Solid*	6.2	U		0.93	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	1,2-Dichloroethene (total), Solid*	12	U		2.6	12	1.00000	ug/Kg	134342		11/12/04 1558	jdj
	Xylenes (total), Solid*	12	U		4.2	12	1.00000	ug/Kg	134342		11/12/04 1558	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAMP 14 ADGS

ATTN: Eric Ellis

Customer Sample ID: ASYss-DD4M-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-21
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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*	170	U		7.4	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	69	U		9.2	69	1.00000	ug/Kg	135735		11/27/04 2352	glr
	1,3-Dichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	1,4-Dichlorobenzene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	1,2-Dichlorobenzene, 3541 Low Solid*	170	U		15	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Benzyl alcohol, 3541 Low Solid*	690	U		76	690	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2-Methylphenol (o-cresol), 3541 Low Solid*	69	U		11	69	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2,2-oxybis (1-chloropropane), 3541 Low Solid	170	U		16	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	69	U		14	69	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Hexachloroethane, 3541 Low Solid*	170	U		8.9	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	16	J	a	12	69	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2-Chlorophenol, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Nitrobenzene, 3541 Low Solid*	34	U		8.9	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	69	U		9.1	69	1.00000	ug/Kg	135735		11/27/04 2352	glr
	1,2,4-Trichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Benzoic acid, 3541 Low Solid*	690	U	*	200	690	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Isophorone, 3541 Low Solid*	170	U		20	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2,4-Dimethylphenol, 3541 Low Solid*	340	U		17	340	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Hexachlorobutadiene, 3541 Low Solid*	170	U		9.3	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Naphthalene, 3541 Low Solid*	310	U		8.7	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2,4-Dichlorophenol, 3541 Low Solid*	340	U		16	340	1.00000	ug/Kg	135735		11/27/04 2352	glr
	4-Chloroaniline, 3541 Low Solid*	690	U		56	690	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2,4,6-Trichlorophenol, 3541 Low Solid*	170	U		39	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2,4,5-Trichlorophenol, 3541 Low Solid*	340	U		46	340	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Hexachlorocyclopentadiene, 3541 Low Solid*	1000	U		320	1000	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2-Methylnaphthalene, 3541 Low Solid*	380	U		10	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2-Nitroaniline, 3541 Low Solid*	170	U		11	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2-Chloronaphthalene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135735		11/27/04 2352	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE R/VARP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-004M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-21
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	36	340	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2,6-Dinitrotoluene, 3541 Low Solid*	34		U	9.5	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2-Nitrophenol, 3541 Low Solid*	340		U	15	340	1.00000	ug/Kg	135735		11/27/04 2352	glr
	3-Nitroaniline, 3541 Low Solid*	690		U	140	690	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Dimethyl phthalate, 3541 Low Solid*	69		U	9.2	69	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2,4-Dinitrophenol, 3541 Low Solid*	690		U	110	690	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Acenaphthylene, 3541 Low Solid*	260		U	8.6	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	2,4-Dinitrotoluene, 3541 Low Solid*	34		U	11	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Acenaphthene, 3541 Low Solid*	180		U	8.6	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Dibenzofuran, 3541 Low Solid*	140		U	9.1	69	1.00000	ug/Kg	135735		11/27/04 2352	glr
	4-Nitrophenol, 3541 Low Solid*	690		U	220	690	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Fluorene, 3541 Low Solid*	130		U	9.3	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	4-Nitroaniline, 3541 Low Solid*	690		U	46	690	1.00000	ug/Kg	135735		11/27/04 2352	glr
	4-Bromophenyl phenyl ether, 3541 Low Solid*	170		U	10	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Hexachlorobenzene, 3541 Low Solid*	34		U	9.8	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Diethyl phthalate, 3541 Low Solid*	69		U	9.8	69	1.00000	ug/Kg	135735		11/27/04 2352	glr
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	170		U	10	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Pentachlorophenol, 3541 Low Solid*	340		U	120	340	1.00000	ug/Kg	135735		11/27/04 2352	glr
	n-Nitrosodiphenylamine, 3541 Low Solid*	34		U	11	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	690		U	180	690	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Phenanthrene, 3541 Low Solid*	1100		U	16	52	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Anthracene, 3541 Low Solid*	840		U	11	34	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Carbazole, 3541 Low Solid*	170		U	12	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Di-n-butyl phthalate, 3541 Low Solid*	170		U	12	170	1.00000	ug/Kg	135735		11/27/04 2352	glr
	Fluoranthene, 3541 Low Solid*	4200		U	44	140	4.00000	ug/Kg	135735		11/27/04 2352	glr
	Pyrene, 3541 Low Solid*	4500		U	50	210	4.00000	ug/Kg	135735	D1	11/29/04 1550	glr
	Butyl benzyl phthalate, 3541 Low Solid*	69		U	11	69	1.00000	ug/Kg	135735	D1	11/29/04 1550	glr
	Benzo(a)anthracene, 3541 Low Solid*	2900		U	41	140	4.00000	ug/Kg	135735	D1	11/29/04 1550	glr
	Chrysene, 3541 Low Solid*	3400		U	44	140	4.00000	ug/Kg	135735	D1	11/29/04 1550	glr

* In Description = Dry Wgt.

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Job Number: 231757 LABORATORY TEST RESULTS Date: 11/30/2004

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

Customer Sample ID: ASYss-004H-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-21
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLABS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	3,3-Dichlorobenzidine, 3541 Low Solid*	170	U		15	170	1.00000	ug/Kg	135735		11/27/04 2352	glr	
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	170	U		33	170	1.00000	ug/Kg	135735		11/27/04 2352	glr	
	Di-n-octyl phthalate, 3541 Low Solid*	340	U		11	340	1.00000	ug/Kg	135735		11/27/04 2352	glr	
	Benzo(b)fluoranthene, 3541 Low Solid*	5200		M	37	140	4.00000	ug/Kg	135735	D1	11/29/04 1550	glr	
	Benzo(k)fluoranthene, 3541 Low Solid*	2200		M	39	140	4.00000	ug/Kg	135735	D1	11/29/04 1550	glr	
	Benzo(a)pyrene, 3541 Low Solid*	3200			39	140	4.00000	ug/Kg	135735	D1	11/29/04 1550	glr	
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	1700			42	140	4.00000	ug/Kg	135735	D1	11/29/04 1550	glr	
	0ibenzo(a,h)anthracene, 3541 Low Solid*	750		H	9.8	34	1.00000	ug/Kg	135735		11/27/04 2352	glr	
	Benzo(ghi)perylene, 3541 Low Solid*	2100			46	140	4.00000	ug/Kg	135735	D1	11/29/04 1550	glr	
	% Solids Determination												
	% Solids, Solid		91.0			0.10	0.10	1	%	133528		11/08/04 1324	daj
	% Moisture, Solid		9.0			0.10	0.10	1	%	133528		11/08/04 1324	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: HON Engineers, Inc.

PROJECT: USACE RVAAP 14 ADSS

ATTN: Eric ELLIS

Customer Sample ID: ASYss-004M-80
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-21
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX, Solid	1.0	U		0.28	1.0	5.00000	mg/Kg	134860		11/12/04 1119	san
	RDX, Solid	1.0	U		0.31	1.0	5.00000	mg/Kg	134860		11/12/04 1119	san
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	134860		11/12/04 1119	san
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	134860		11/12/04 1119	san
	Nitrobenzene, Solid	0.50	U		0.10	0.50	5.00000	mg/Kg	134860		11/12/04 1119	san
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	134860		11/12/04 1119	san
	Tetryl, Solid	2.0	U		0.61	2.0	5.00000	mg/Kg	134860		11/12/04 1119	san
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	134860		11/12/04 1119	san
	2,6-Dinitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	134860		11/12/04 1119	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.29	J	a	0.23	1.0	5.00000	mg/Kg	134860		11/12/04 1119	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	134860		11/12/04 1119	san
	2-Nitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	134860		11/12/04 1119	san
	4-Nitrotoluene, Solid	1.0	U		0.25	1.0	5.00000	mg/Kg	134860		11/12/04 1119	san
3-Nitrotoluene, Solid	1.0	U		0.27	1.0	5.00000	mg/Kg	134860		11/12/04 1119	san	
8332M	NG/PEIN by 8332M (HPLC) Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	134899		11/16/04 0157	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYss-004M-SO

Trace Level Organic Compounds

Matrix.....: SOLID

Lot-Sample #....: G4K060194-007 Work Order #....: GWPAN11AA
Date Sampled...: 11/04/04 14:05 Date Received..: 11/06/04
Prep Date.....: 11/09/04 Analysis Date...: 11/10/04
Prep Batch #...: 4314545
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: ASYSS-004M-SO

General Chemistry

Lot-Sample #....: G4K060194-007 Work Order #....: GWFAN Matrix.....: SOLID
Date Sampled....: 11/04/04 Date Received...: 11/06/04

<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	1.7 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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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-005M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 15:05 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-16 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	88.8			0.10	0.10	1	%	133528		11/08/04 1311	daj
	% Solids, Solid	11.2			0.10	0.10	1	%	133528		11/08/04 1311	daj
7196A	Hexavalent Chromium Hexavalent Chromium, Solid*	1.9		U	0.47	1.9	1	mg/Kg	134562		11/17/04 0814	pmf

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-005M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 15:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-16
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	88.8			0.10	0.10	1	%	133528		11/08/04 1311	daj
	% Moisture, Solid	11.2			0.10	0.10	1	%	133528		11/08/04 1311	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	133945		11/10/04 2105	daj
7841	Thallium (GFAA) Thallium, Solid*	0.64		U	0.20	0.64	1	mg/Kg	134116		11/12/04 0624	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.055			0.0048	0.019	1	mg/Kg	134651		11/16/04 1627	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.3	15	1	mg/Kg	134454		11/15/04 1839	tds
	Barium, Solid*	130			0.16	0.97	1	mg/Kg	134454		11/15/04 1839	tds
	Arsenic, Solid*	6.3			0.49	1.5	1	mg/Kg	134454		11/15/04 1839	tds
	Beryllium, Solid*	1.6			0.043	0.39	1	mg/Kg	134454		11/15/04 1839	tds
	Cadmium, Solid*	0.30			0.078	0.24	1	mg/Kg	134454		11/15/04 1839	tds
	Calcium, Solid*	32000			3.0	9.7	1	mg/Kg	134454		11/15/04 1839	tds
	Chromium, Solid*	13			0.21	0.97	1	mg/Kg	134454		11/15/04 1839	tds
	Cobalt, Solid*	4.0			0.14	0.48	1	mg/Kg	134454		11/15/04 1839	tds
	Copper, Solid*	8.6			0.87	2.9	1	mg/Kg	134454		11/15/04 1839	tds
	Iron, Solid*	13000			2.9	9.7	1	mg/Kg	134454		11/15/04 1839	tds
	Magnesium, Solid*	5300			1.6	9.7	1	mg/Kg	134454		11/15/04 1839	tds
	Manganese, Solid*	1000			0.13	0.97	1	mg/Kg	134454		11/15/04 1839	tds
	Nickel, Solid*	8.8			0.24	0.97	1	mg/Kg	134454		11/15/04 1839	tds
	Lead, Solid*	23			0.42	1.5	1	mg/Kg	134454		11/15/04 1839	tds
	Potassium, Solid*	1300			13	48	1	mg/Kg	134454		11/15/04 1839	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-005M-SO			Laboratory Sample ID: 231757-16									
Date Sampled.....: 11/04/2004			Date Received.....: 11/06/2004									
Time Sampled.....: 15:05			Time Received.....: 11:00									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.72	B		0.39	1.5	1	mg/Kg	134454		11/15/04 1839	tds
	Silver, Solid*	0.97	U		0.30	0.97	1	mg/Kg	134454		11/15/04 1839	tds
	Sodium, Solid*	410			84	290	1	mg/Kg	134454		11/15/04 1839	tds
	Vanadium, Solid*	15			0.20	0.97	1	mg/Kg	134454		11/15/04 1839	tds
	Zinc, Solid*	52			0.39	1.9	1	mg/Kg	134454		11/15/04 1839	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs			ATTN: Eric Elise						
Customer Sample ID: ASYss-005D-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 15:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-5 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	72.7			0.10	0.10	1	%	133528		11/08/04 1251	daj
	% Moisture, Solid	27.3			0.10	0.10	1	%	133528		11/08/04 1251	daj
8260B	Volatile Organics											
	Chloromethane, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Vinyl chloride, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Bromomethane, Solid*	6.9		U	1.8	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Chloroethane, Solid*	6.9		U	1.4	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,1-Dichloroethene, Solid*	6.9		U	1.8	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Carbon disulfide, Solid*	6.9		U	1.7	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Acetone, Solid*	21		U	6.3	21	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Methylene chloride, Solid*	14		U	4.0	14	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	trans-1,2-Dichloroethene, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,1-Dichloroethane, Solid*	6.9		U	1.4	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	cis-1,2-Dichloroethene, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	2-Butanone (MEK), Solid*	21		U	5.4	21	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Bromochloromethane, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Chloroform, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,1,1-Trichloroethane, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Carbon tetrachloride, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Benzene, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,2-Dichloroethane, Solid*	6.9		U	1.3	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Trichloroethene, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,2-Dichloropropane, Solid*	6.9		U	1.4	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
Bromodichloromethane, Solid*	6.9		U	1.3	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj	
cis-1,3-Dichloropropene, Solid*	6.9		U	1.3	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj	
4-Methyl-2-pentanone (MIBK), Solid*	14		U	1.4	14	1.00000	ug/Kg	133968		11/10/04 1858	jdj	
Toluene, Solid*	6.9		U	1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/18/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: ERIC ELLIS

Customer Sample ID: ASYss-005D-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-5
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DEFLECTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.9	U		1.1	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,1,2-Trichloroethane, Solid*	6.9	U		1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Tetrachloroethene, Solid*	6.9	U		1.7	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	2-Hexanone, Solid*	14	U		1.5	14	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Dibromochloromethane, Solid*	6.9	U		1.1	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,2-Dibromoethane (EDB), Solid*	6.9	U		1.1	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Chlorobenzene, Solid*	6.9	U		1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Ethylbenzene, Solid*	6.9	U		1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	m&p-Xylenes, Solid*	14	U		3.2	14	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	o-Xylene, Solid*	6.9	U		1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Styrene, Solid*	6.9	U		1.5	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Bromoform, Solid*	6.9	U		1.0	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.9	U		1.3	6.9	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	1,2-Dichloroethene (total), Solid*	14	U		2.9	14	1.00000	ug/Kg	133968		11/10/04 1858	jdj
	Xylenes (total), Solid*	14	U		4.7	14	1.00000	ug/Kg	133968		11/10/04 1858	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-005M-SQ
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 15:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-16
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	134860		11/12/04 0626	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134860		11/12/04 0626	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134860		11/12/04 0626	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134860		11/12/04 0626	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134860		11/12/04 0626	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134860		11/12/04 0626	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134860		11/12/04 0626	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134860		11/12/04 0626	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134860		11/12/04 0626	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134860		11/12/04 0626	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134860		11/12/04 0626	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134860		11/12/04 0626	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134860		11/12/04 0626	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134860		11/12/04 0626	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: NKK Engineers, Inc.

PROJECT: USACE RVAAP TA ADES

ATTN: Eric Ellis

Customer Sample ID: ASYss-006M-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 11:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-17
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	85.5			0.10	0.10	1	%	133528		11/08/04 1313	daj
	% Moisture, Solid	14.5			0.10	0.10	1	%	133528		11/08/04 1313	daj
7041	Antimony (GFAA) Antimony, Solid*	1.6		U	0.49	1.6	1	mg/Kg	133945		11/10/04 2115	daj
7841	Thallium (GFAA) Thallium, Solid*	0.67		U	0.21	0.67	1	mg/Kg	134116		11/12/04 0656	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.047			0.0050	0.019	1	mg/Kg	134651		11/16/04 1629	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	19000			2.6	17	1	mg/Kg	134454		11/15/04 1845	tds
	Barium, Solid*	240			0.18	1.1	1	mg/Kg	134454		11/15/04 1845	tds
	Arsenic, Solid*	6.8			0.56	1.7	1	mg/Kg	134454		11/15/04 1845	tds
	Beryllium, Solid*	3.7			0.049	0.44	1	mg/Kg	134454		11/15/04 1845	tds
	Cadmium, Solid*	0.43			0.088	0.28	1	mg/Kg	134454		11/15/04 1845	tds
	Calcium, Solid*	86000			3.4	11	1	mg/Kg	134454		11/15/04 1845	tds
	Chromium, Solid*	28			0.24	1.1	1	mg/Kg	134454		11/15/04 1845	tds
	Cobalt, Solid*	2.8			0.15	0.55	1	mg/Kg	134454		11/15/04 1845	tds
	Copper, Solid*	13			0.99	3.3	1	mg/Kg	134454		11/15/04 1845	tds
	Iron, Solid*	12000			3.3	11	1	mg/Kg	134454		11/15/04 1845	tds
	Magnesium, Solid*	13000			1.9	11	1	mg/Kg	134454		11/15/04 1845	tds
	Manganese, Solid*	2200			0.14	1.1	1	mg/Kg	134454		11/15/04 1845	tds
	Nickel, Solid*	11			0.28	1.1	1	mg/Kg	134454		11/15/04 1845	tds
	Lead, Solid*	150			0.47	1.7	1	mg/Kg	134454		11/15/04 1845	tds
	Potassium, Solid*	1800			15	55	1	mg/Kg	134454		11/15/04 1845	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-006M-SD Date Sampled.....: 11/04/2004 Time Sampled.....: 11:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-17 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.1	B		0.44	1.7	1	mg/Kg	134454		11/15/04 1845	tds
	Silver, Solid*	1.1	U		0.34	1.1	1	mg/Kg	134454		11/15/04 1845	tds
	Sodium, Solid*	990			96	330	1	mg/Kg	134454		11/15/04 1845	tds
	Vanadium, Solid*	13			0.23	1.1	1	mg/Kg	134454		11/15/04 1845	tds
	Zinc, Solid*	88			0.44	2.2	1	mg/Kg	134454		11/15/04 1845	tds

* In Description = Dry Wgt.

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Job Number: 231757 LABORATORY TEST RESULTS Date: 11/19/2004

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

Customer Sample ID: ASYSS-006M-S0 Laboratory Sample ID: 231757-17
 Date Sampled.....: 11/04/2004 Date Received.....: 11/06/2004
 Time Sampled.....: 11:20 Time Received.....: 11:00
 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	134860		11/12/04 0804	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134860		11/12/04 0804	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134860		11/12/04 0804	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134860		11/12/04 0804	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134860		11/12/04 0804	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134860		11/12/04 0804	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134860		11/12/04 0804	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134860		11/12/04 0804	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134860		11/12/04 0804	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134860		11/12/04 0804	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134860		11/12/04 0804	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134860		11/12/04 0804	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134860		11/12/04 0804	san
	3-Nitrotoluene, Solid	0.091	J	a	0.053	0.20	1.00000	mg/Kg	134860		11/12/04 0804	san

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-007M-SO Date Sampled.....: 11/04/2004 Time Sampled.....: 13:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-18 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.8			0.10	0.10	1	%	133528		11/08/04 1315	daj
	% Moisture, Solid	7.2			0.10	0.10	1	%	133528		11/08/04 1315	daj
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.40	1.3	1	mg/Kg	133945		11/10/04 2135	daj
7841	Thallium (GFAA) Thallium, Solid*	0.55		U	0.17	0.55	1	mg/Kg	134116		11/12/04 0709	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.055			0.0046	0.018	1	mg/Kg	134651		11/16/04 1631	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.4	15	1	mg/Kg	134454		11/15/04 1915	tds
	Barium, Solid*	100			0.16	0.99	1	mg/Kg	134454		11/15/04 1915	tds
	Arsenic, Solid*	9.8			0.50	1.5	1	mg/Kg	134454		11/15/04 1915	tds
	Beryllium, Solid*	0.98			0.043	0.39	1	mg/Kg	134454		11/15/04 1915	tds
	Cadmium, Solid*	0.30			0.079	0.25	1	mg/Kg	134454		11/15/04 1915	tds
	Calcium, Solid*	16000			3.1	9.9	1	mg/Kg	134454		11/15/04 1915	tds
	Chromium, Solid*	14			0.22	0.99	1	mg/Kg	134454		11/15/04 1915	tds
	Cobalt, Solid*	7.0			0.14	0.49	1	mg/Kg	134454		11/15/04 1915	tds
	Copper, Solid*	15			0.89	3.0	1	mg/Kg	134454		11/15/04 1915	tds
	Iron, Solid*	17000			3.0	9.9	1	mg/Kg	134454		11/15/04 1915	tds
	Magnesium, Solid*	3000			1.7	9.9	1	mg/Kg	134454		11/15/04 1915	tds
	Manganese, Solid*	760			0.13	0.99	1	mg/Kg	134454		11/15/04 1915	tds
	Nickel, Solid*	13			0.25	0.99	1	mg/Kg	134454		11/15/04 1915	tds
	Lead, Solid*	49			0.42	1.5	1	mg/Kg	134454		11/15/04 1915	tds
	Potassium, Solid*	1000			14	49	1	mg/Kg	134454		11/15/04 1915	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOGS

ATTN: Eric Ellis

Customer Sample ID: ASYss-007M-50
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 13:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-18
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DTECTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	U		0.39	1.5	1	mg/Kg	134454		11/15/04 1915	tds
	Silver, Solid*	0.99	U		0.31	0.99	1	mg/Kg	134454		11/15/04 1915	tds
	Sodium, Solid*	320			85	300	1	mg/Kg	134454		11/15/04 1915	tds
	Vanadium, Solid*	17			0.21	0.99	1	mg/Kg	134454		11/15/04 1915	tds
	Zinc, Solid*	100			0.39	2.0	1	mg/Kg	134454		11/15/04 1915	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP T4 AGES				ATTN: Eric Ellis					
Customer Sample ID: ASYss-007M-SO Date Sampled.....: 11/04/2004 Time Sampled.....: 13:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231757-18 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	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	134860		11/12/04 0836	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134860		11/12/04 0836	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	134860		11/12/04 0836	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134860		11/12/04 0836	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134860		11/12/04 0836	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134860		11/12/04 0836	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134860		11/12/04 0836	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134860		11/12/04 0836	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134860		11/12/04 0836	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134860		11/12/04 0836	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134860		11/12/04 0836	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134860		11/12/04 0836	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134860		11/12/04 0836	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134860		11/12/04 0836	san

* In Description = Dry Wgt.

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/19/2004

CUSTOMER: MKH Engineers, Inc. PROJECT: USACE RVAAP 74 APCS ATTN: Eric Ellis

Customer Sample ID: ASYss-007M-DUP
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 13:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-5
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.2			0.10	0.10	1	%	133581		11/08/04 2220	daj
	% Moisture, Solid	7.8			0.10	0.10	1	%	133581		11/08/04 2220	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	134362		11/13/04 1302	daj
7841	Thallium (GFAA) Thallium, Solid*	0.64		U	0.20	0.64	1	mg/Kg	134375		11/13/04 0958	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.052			0.0047	0.018	1	mg/Kg	134658		11/17/04 1142	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.5	16	1	mg/Kg	134566		11/16/04 1711	tds
	Barium, Solid*	97			0.17	1.0	1	mg/Kg	134566		11/16/04 1711	tds
	Arsenic, Solid*	9.1			0.53	1.6	1	mg/Kg	134566		11/16/04 1711	tds
	Beryllium, Solid*	1.0			0.046	0.42	1	mg/Kg	134566		11/16/04 1711	tds
	Cadmium, Solid*	0.45			0.084	0.26	1	mg/Kg	134566		11/16/04 1711	tds
	Calcium, Solid*	15000			3.2	10	1	mg/Kg	134566		11/16/04 1711	tds
	Chromium, Solid*	16			0.23	1.0	1	mg/Kg	134566		11/16/04 1711	tds
	Cobalt, Solid*	7.6			0.15	0.52	1	mg/Kg	134566		11/16/04 1711	tds
	Copper, Solid*	15			0.94	3.1	1	mg/Kg	134566		11/16/04 1711	tds
	Iron, Solid*	18000			3.1	10	1	mg/Kg	134566		11/16/04 1711	tds
	Magnesium, Solid*	3300			1.8	10	1	mg/Kg	134566		11/16/04 1711	tds
	Manganese, Solid*	760			0.14	1.0	1	mg/Kg	134566		11/16/04 1711	tds
	Nickel, Solid*	14			0.26	1.0	1	mg/Kg	134566		11/16/04 1711	tds
	Lead, Solid*	49			0.45	1.6	1	mg/Kg	134566		11/16/04 1711	tds
	Potassium, Solid*	1200			14	52	1	mg/Kg	134566		11/16/04 1711	tds

* In Description = Dry Wgt.

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/19/2004

CUSTOMER: HKN Engineers, Inc. PROJECT: USAGE RVAAP 14 ACES ATTN: Eric Ellis

Customer Sample ID: ASYss-007M-DUP
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 13:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-5
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.60										
	Silver, Solid*	1.0	B		0.42	1.6	1				11/16/04 1711	tds
	Sodium, Solid*	360	U		0.32	1.0	1	mg/Kg	134566		11/16/04 1711	tds
	Vanadium, Solid*	19			91	310	1	mg/Kg	134566		11/16/04 1711	tds
	Zinc, Solid*	110			0.22	1.0	1	mg/Kg	134566		11/16/04 1711	tds
					0.42	2.1	1	mg/Kg	134566		11/16/04 1711	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-007M-DUP
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 13:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-5
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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		0.056	0.20	1.00000	mg/Kg	135135		11/11/04 1740	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135135		11/11/04 1740	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135135		11/11/04 1740	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135135		11/11/04 1740	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135135		11/11/04 1740	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135135		11/11/04 1740	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/11/04 1740	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135135		11/11/04 1740	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 1740	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/11/04 1740	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135135		11/11/04 1740	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135135		11/11/04 1740	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 1740	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 1740	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/19/2004

CUSTOMER: H&H Engineers, Inc.

PROJECT: USAGE RWAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-008M-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-6
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	% Solids Determination	92.3		0.10	0.10	1	%	133581		11/08/04 2222	daJ
	% Solids, Solid	7.7		0.10	0.10	1	%	133581		11/08/04 2222	daJ
	% Moisture, Solid										
7841	Antimony (GFAA) Antimony, Solid*	1.4	U	0.45	1.4	1	mg/Kg	134362		11/13/04 1312	daJ
7471A	Thallium (GFAA) Thallium, Solid*	0.61	U	0.19	0.61	1	mg/Kg	134377		11/13/04 1658	daJ
6010B	Mercury (CVAA) Solids Mercury, Solid*	0.092		0.0047	0.018	1	mg/Kg	134658		11/17/04 1144	gok
	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	16000		2.5	16	1	mg/Kg	134566		11/16/04 1718	tds
	Barium, Solid*	180		0.17	1.0	1	mg/Kg	134566		11/16/04 1718	tds
	Arsenic, Solid*	10		0.53	1.6	1	mg/Kg	134566		11/16/04 1718	tds
	Beryllium, Solid*	2.5		0.046	0.41	1	mg/Kg	134566		11/16/04 1718	tds
	Cadmium, Solid*	1.8		0.083	0.26	1	mg/Kg	134566		11/16/04 1718	tds
	Calcium, Solid*	53000		3.2	10	1	mg/Kg	134566		11/16/04 1718	tds
	Chromium, Solid*	22		0.23	1.0	1	mg/Kg	134566		11/16/04 1718	tds
	Cobalt, Solid*	5.9		0.15	0.52	1	mg/Kg	134566		11/16/04 1718	tds
	Copper, Solid*	33		0.93	3.1	1	mg/Kg	134566		11/16/04 1718	tds
	Iron, Solid*	28000		3.1	10	1	mg/Kg	134566		11/16/04 1718	tds
	Magnesium, Solid*	8400		1.8	10	1	mg/Kg	134566		11/16/04 1718	tds
	Manganese, Solid*	1400		0.13	1.0	1	mg/Kg	134566		11/16/04 1718	tds
	Nickel, Solid*	17		0.26	1.0	1	mg/Kg	134566		11/16/04 1718	tds
	Lead, Solid*	69		0.45	1.6	1	mg/Kg	134566		11/16/04 1718	tds
	Potassium, Solid*	1600		14	52	1	mg/Kg	134566		11/16/04 1718	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADES				ATTN: Eric Ellis					
Customer Sample ID: ASYss-000N-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 09:10 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-6 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RC	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.2		B	0.41	1.6	1					
	Silver, Solid*	1.0		U	0.32	1.0	1	mg/Kg	134566		11/16/04 1718	tds
	Sodium, Solid*	710			90	310	1	mg/Kg	134566		11/16/04 1718	tds
	Vanadium, Solid*	15			0.22	1.0	1	mg/Kg	134566		11/16/04 1718	tds
	Zinc, Solid*	200			0.41	2.1	1	mg/Kg	134566		11/16/04 1718	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/22/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RYAAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: ASYss-008M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-6
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	ID	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135135		11/13/04 0001	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135135		11/13/04 0001	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135135		11/13/04 0001	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135135		11/13/04 0001	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135135		11/13/04 0001	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135135		11/13/04 0001	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135135		11/13/04 0001	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135135		11/13/04 0001	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/13/04 0001	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/13/04 0001	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135135		11/13/04 0001	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135135		11/13/04 0001	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/13/04 0001	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/13/04 0001	san

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-009M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 09:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-10 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.0			0.10	0.10	1	%	133581		11/08/04 2234	daj
	% Moisture, Solid	9.0			0.10	0.10	1	%	133581		11/08/04 2234	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	134362		11/13/04 1355	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	134377		11/13/04 1735	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.047			0.0047	0.018	1	mg/Kg	134658		11/17/04 1151	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8100			2.5	16	1	mg/Kg	134566		11/16/04 1736	tds
	Barium, Solid*	51			0.17	1.1	1	mg/Kg	134566		11/16/04 1736	tds
	Arsenic, Solid*	7.3			0.54	1.6	1	mg/Kg	134566		11/16/04 1736	tds
	Beryllium, Solid*	0.54			0.047	0.42	1	mg/Kg	134566		11/16/04 1736	tds
	Cadmium, Solid*	0.41			0.085	0.26	1	mg/Kg	134566		11/16/04 1736	tds
	Calcium, Solid*	6300			3.3	11	1	mg/Kg	134566		11/16/04 1736	tds
	Chromium, Solid*	12			0.23	1.1	1	mg/Kg	134566		11/16/04 1736	tds
	Cobalt, Solid*	3.9			0.15	0.53	1	mg/Kg	134566		11/16/04 1736	tds
	Copper, Solid*	17			0.95	3.2	1	mg/Kg	134566		11/16/04 1736	tds
	Iron, Solid*	14000			3.2	11	1	mg/Kg	134566		11/16/04 1736	tds
	Magnesium, Solid*	1900			1.8	11	1	mg/Kg	134566		11/16/04 1736	tds
	Manganese, Solid*	250			0.14	1.1	1	mg/Kg	134566		11/16/04 1736	tds
	Nickel, Solid*	11			0.26	1.1	1	mg/Kg	134566		11/16/04 1736	tds
	Lead, Solid*	19			0.45	1.6	1	mg/Kg	134566		11/16/04 1736	tds
	Potassium, Solid*	950			15	53	1	mg/Kg	134566		11/16/04 1736	tds

* In Description = Dry Wgt.

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/19/2004

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

Customer Sample ID: ASYss-009M-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-10
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.76	B		0.42	1.6	1					
	Silver, Solid*	1.1	U		0.33	1.1	1	mg/Kg	134566		11/16/04 1736	tds
	Sodium, Solid*	250	B		92	320	1	mg/Kg	134566		11/16/04 1736	tds
	Vanadium, Solid*	15			0.22	1.1	1	mg/Kg	134566		11/16/04 1736	tds
	Zinc, Solid*	210			0.42	2.1	1	mg/Kg	134566		11/16/04 1736	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-009M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-10
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	135135		11/11/04 2023	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135135		11/11/04 2023	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135135		11/11/04 2023	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135135		11/11/04 2023	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135135		11/11/04 2023	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135135		11/11/04 2023	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/11/04 2023	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135135		11/11/04 2023	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135135		11/11/04 2023	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/11/04 2023	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135135		11/11/04 2023	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 2023	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 2023	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 2023	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYMAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-010M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-18
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	87.6			0.10	0.10	1	%	133522		11/08/04 1234	daj
	% Moisture, Solid	12.4			0.10	0.10	1	%	133522		11/08/04 1234	daj
7041	Antimony (GFAA) Antimony, Solid*	1.6		U	0.49	1.6	1	mg/Kg	134362		11/13/04 1819	daj
7841	Thallium (GFAA) Thallium, Solid*	0.67		U	0.21	0.67	1	mg/Kg	134456		11/15/04 2146	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.095			0.0049	0.019	1	mg/Kg	134643		11/16/04 1642	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.5	16	1	mg/Kg	134454		11/15/04 1608	tds
	Barium, Solid*	93			0.17	1.1	1	mg/Kg	134454		11/15/04 1608	tds
	Arsenic, Solid*	6.9			0.54	1.6	1	mg/Kg	134454		11/15/04 1608	tds
	Beryllium, Solid*	1.0			0.047	0.42	1	mg/Kg	134454		11/15/04 1608	tds
	Cadmium, Solid*	0.27		U	0.085	0.27	1	mg/Kg	134454		11/15/04 1608	tds
	Calcium, Solid*	13000			3.3	11	1	mg/Kg	134454		11/15/04 1608	tds
	Chromium, Solid*	20			0.23	1.1	1	mg/Kg	134454		11/15/04 1608	tds
	Cobalt, Solid*	7.6			0.15	0.53	1	mg/Kg	134454		11/15/04 1608	tds
	Copper, Solid*	8.8			0.95	3.2	1	mg/Kg	134454		11/15/04 1608	tds
	Iron, Solid*	17000			3.2	11	1	mg/Kg	134454		11/15/04 1608	tds
	Magnesium, Solid*	3400			1.8	11	1	mg/Kg	134454		11/15/04 1608	tds
	Manganese, Solid*	730			0.14	1.1	1	mg/Kg	134454		11/15/04 1608	tds
	Nickel, Solid*	14			0.27	1.1	1	mg/Kg	134454		11/15/04 1608	tds
	Lead, Solid*	26			0.46	1.6	1	mg/Kg	134454		11/15/04 1608	tds
	Potassium, Solid*	1200			15	53	1	mg/Kg	134454		11/15/04 1608	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-010M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 13:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-18 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6	U		0.42	1.6	1	mg/Kg	134454		11/15/04 1608	tds
	Silver, Solid*	0.76	B		0.33	1.1	1	mg/Kg	134454		11/15/04 1608	tds
	Sodium, Solid*	390			92	320	1	mg/Kg	134454		11/15/04 1608	tds
	Vanadium, Solid*	20			0.22	1.1	1	mg/Kg	134454		11/15/04 1608	tds
	Zinc, Solid*	100			0.42	2.1	1	mg/Kg	134454		11/15/04 1608	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-010M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 13:45 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-18 Date Received.....: 11/05/2004 Time Received.....: 09:30									
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	134769		11/11/04 0911	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 0911	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 0911	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134769		11/11/04 0911	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 0911	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 0911	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 0911	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 0911	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 0911	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0911	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 0911	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0911	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0911	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0911	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elks

Customer Sample ID: ASYss-011M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-14
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	89.6		0.10	0.10	1	%	133522		11/08/04 1226	daj
	% Moisture, Solid	10.4		0.10	0.10	1	%	133522		11/08/04 1226	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5	U	0.49	1.5	1	mg/Kg	134362		11/13/04 1728	daj
7841	Thallium (GFAA) Thallium, Solid*	0.66	U	0.21	0.66	1	mg/Kg	134377		11/14/04 0948	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.28		0.0048	0.018	1	mg/Kg	134643		11/16/04 1629	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	15000		2.5	16	1	mg/Kg	134454		11/15/04 1454	tds
	Barium, Solid*	95		0.17	1.0	1	mg/Kg	134454		11/15/04 1454	tds
	Arsenic, Solid*	4.8		0.53	1.6	1	mg/Kg	134454		11/15/04 1454	tds
	Beryllium, Solid*	1.1		0.046	0.42	1	mg/Kg	134454		11/15/04 1454	tds
	Cadmium, Solid*	0.090	B	0.084	0.26	1	mg/Kg	134454		11/15/04 1454	tds
	Calcium, Solid*	17000		3.3	10	1	mg/Kg	134454		11/15/04 1454	tds
	Chromium, Solid*	18		0.23	1.0	1	mg/Kg	134454		11/15/04 1454	tds
	Cobalt, Solid*	4.2		0.15	0.52	1	mg/Kg	134454		11/15/04 1454	tds
	Copper, Solid*	11		0.94	3.1	1	mg/Kg	134454		11/15/04 1454	tds
	Iron, Solid*	14000		3.1	10	1	mg/Kg	134454		11/15/04 1454	tds
	Magnesium, Solid*	3800		1.8	10	1	mg/Kg	134454		11/15/04 1454	tds
	Manganese, Solid*	520		0.14	1.0	1	mg/Kg	134454		11/15/04 1454	tds
	Nickel, Solid*	12		0.26	1.0	1	mg/Kg	134454		11/15/04 1454	tds
	Lead, Solid*	22		0.45	1.6	1	mg/Kg	134454		11/15/04 1454	tds
	Potassium, Solid*	1100		14	52	1	mg/Kg	134454		11/15/04 1454	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: HCN Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-011M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-14
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	134454		11/15/04 1454	tds
	Silver, Solid*	1.0	U		0.33	1.0	1	mg/Kg	134454		11/15/04 1454	tds
	Sodium, Solid*	370			91	310	1	mg/Kg	134454		11/15/04 1454	tds
	Vanadium, Solid*	20			0.22	1.0	1	mg/Kg	134454		11/15/04 1454	tds
	Zinc, Solid*	98			0.42	2.1	1	mg/Kg	134454		11/15/04 1454	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RVAAP 14 ROCS

ATTN: Eric Eltze

Customer Sample ID: ASYss-011M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-14
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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*	8.3	J		7.6	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	72	U		9.6	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	180	U		14	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	180	U		16	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	180	U		15	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Benzyl alcohol, 3541 Low Solid*	720	U		79	720	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	72	U		11	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	180	U		17	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	72	U		14	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Hexachloroethane, 3541 Low Solid*	180	U		9.2	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	15	J		13	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2-Chlorophenol, 3541 Low Solid*	180	U		14	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Nitrobenzene, 3541 Low Solid*	35	U		9.2	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	72	U		9.4	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	180	U		15	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Benzoic acid, 3541 Low Solid*	720	U	*	210	720	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Isophorone, 3541 Low Solid*	180	U		21	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	350	U		17	350	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Hexachlorobutadiene, 3541 Low Solid*	180	U		9.7	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Naphthalene, 3541 Low Solid*	28	J		9.0	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	350	U		17	350	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	4-Chloroaniline, 3541 Low Solid*	720	U		58	720	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	180	U		40	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	350	U		48	350	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1100	U		330	1100	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2-Methylnaphthalene, 3541 Low Solid*	33	J		11	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2-Nitroaniline, 3541 Low Solid*	180	U		12	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2-Chloronaphthalene, 3541 Low Solid*	180	U		17	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: PKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-011M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-14
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	350	U		37	350	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	35	U		9.9	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2-Nitrophenol, 3541 Low Solid*	350	U		16	350	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	3-Nitroaniline, 3541 Low Solid*	720	U		150	720	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Dimethyl phthalate, 3541 Low Solid*	72	U		9.6	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	720	U		110	720	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Acenaphthylene, 3541 Low Solid*	35	U		8.9	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	35	U		11	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Acenaphthene, 3541 Low Solid*	35	U		8.9	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Dibenzofuran, 3541 Low Solid*	72	U		9.4	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	4-Nitrophenol, 3541 Low Solid*	720	U		230	720	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Fluorene, 3541 Low Solid*	35	U		9.7	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	4-Nitroaniline, 3541 Low Solid*	720	U		48	720	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	180	U		11	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Hexachlorobenzene, 3541 Low Solid*	35	U		10	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Diethyl phthalate, 3541 Low Solid*	72	U		10	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	180	U		11	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Pentachlorophenol, 3541 Low Solid*	350	U		120	350	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	35	U		11	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	720	U		180	720	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Phenanthrene, 3541 Low Solid*	59	U		16	54	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Anthracene, 3541 Low Solid*	12	J		12	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Carbazole, 3541 Low Solid*	180	U		13	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	180	U		12	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Fluoranthene, 3541 Low Solid*	120	U		11	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Pyrene, 3541 Low Solid*	140	U		13	54	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	240	U		11	72	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Benzo(a)anthracene, 3541 Low Solid*	73	U		11	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Chrysene, 3541 Low Solid*	120	U		11	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-011M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-14
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	134462		11/16/04 1953	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	1500			34	180	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	350	U		11	350	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	120		M	9.6	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	79		M	10	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Benzo(a)pyrene, 3541 Low Solid*	100			10	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	68			11	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	35	U		10	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	79			12	35	1.00000	ug/Kg	134462		11/16/04 1953	dpk
Method	% Solids Determination											
	% Solids, Solid	89.6			0.10	0.10	1	%	133522		11/08/04 1226	da]
	% Moisture, Solid	10.4			0.10	0.10	1	%	133522		11/08/04 1226	da]

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-011M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 13:05 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-14 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134769		11/11/04 0701	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 0701	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 0701	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 0701	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 0701	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 0701	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 0701	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 0701	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 0701	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134769		11/11/04 0701	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 0701	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0701	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0701	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0701	san

* In Description = Dry Wgt.

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Job Number: 231793	LABORATORY TEST RESULTS	Date: 12/14/2004
CUSTOMER: MKM Engineers, Inc.	PROJECT: USACE RVAAP 14 ADCS	ATTN: Eric Ellis
Customer Sample ID: ASYss-012M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 14:15 Sample Matrix.....: Soil		Laboratory Sample ID: 231793-10 Date Received.....: 11/09/2004 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	98.2			0.10	0.10	1	%	133996		11/11/04 1310	daj
	% Solids, Solid	1.8			0.10	0.10	1	%	133996		11/11/04 1310	daj
	% Moisture, Solid											
7196A	Hexavalent Chromium Hexavalent Chromium, Solid*	2.0	U		0.48	2.0	1	mg/Kg	134295		11/15/04 0845	pmf

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/24/2004			
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-012W-S0		Laboratory Sample ID: 231793-10									
Date Sampled.....: 11/04/2004		Date Received.....: 11/09/2004									
Time Sampled.....: 14:15		Time Received.....: 09:45									
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	98.2		0.10	0.10	1	%	133996		11/11/04 1310	daj
	% Moisture, Solid	1.8		0.10	0.10	1	%	133996		11/11/04 1310	daj
7041	Antimony (GFAA) Antimony, Solid*	1.2	U	0.38	1.2	1	mg/Kg	134574		11/17/04 0339	daj
7841	Thallium (GFAA) Thallium, Solid*	0.24	B	0.16	0.51	1	mg/Kg	134623		11/17/04 0418	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.072		0.0044	0.017	1	mg/Kg	134643		11/16/04 1542	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	13000		2.2	14	1	mg/Kg	133930		11/11/04 0432	tds
	Barium, Solid*	110		0.15	0.94	1	mg/Kg	133930		11/11/04 0432	tds
	Arsenic, Solid*	5.2		0.48	1.4	1	mg/Kg	133930		11/11/04 0432	tds
	Beryllium, Solid*	1.5		0.041	0.37	1	mg/Kg	133930		11/11/04 0432	tds
	Cadmium, Solid*	0.32		0.075	0.23	1	mg/Kg	134066		11/11/04 2034	tds
	Calcium, Solid*	39000		2.9	9.4	1	mg/Kg	133930		11/11/04 0432	tds
	Chromium, Solid*	13		0.21	0.94	1	mg/Kg	133930		11/11/04 0432	tds
	Cobalt, Solid*	2.1		0.13	0.47	1	mg/Kg	133930		11/11/04 0432	tds
	Copper, Solid*	8.5		0.84	2.8	1	mg/Kg	133930		11/11/04 0432	tds
	Iron, Solid*	11000		2.8	9.4	1	mg/Kg	133930		11/11/04 0432	tds
	Magnesium, Solid*	5400		1.6	9.4	1	mg/Kg	133930		11/11/04 0432	tds
	Manganese, Solid*	700		0.12	0.94	1	mg/Kg	133930		11/11/04 0432	tds
	Nickel, Solid*	7.2		0.23	0.94	1	mg/Kg	133930		11/11/04 0432	tds
	Lead, Solid*	31		0.40	1.4	1	mg/Kg	133930		11/11/04 0432	tds
	Potassium, Solid*	1300		13	47	1	mg/Kg	133930		11/11/04 0432	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/24/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis					
Customer Sample ID: ASYss-012M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 14:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231793-10 Date Received.....: 11/09/2004 Time Received.....: 09:45								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.89	B	0.37	1.4	1	mg/Kg	133930		11/11/04 0432	tds
	Silver, Solid*	4.8		0.29	0.94	1	mg/Kg	133930		11/11/04 0432	tds
	Sodium, Solid*	570		81	280	1	mg/Kg	133930		11/11/04 0432	tds
	Vanadium, Solid*	13		0.20	0.94	1	mg/Kg	133930		11/11/04 0432	tds
	Zinc, Solid*	60		0.37	1.9	1	mg/Kg	133930		11/11/04 0432	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/18/2004

CUSTOMER: HKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-0120-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-6
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	81.2		0.10	0.10	1	%	133528		11/08/04 1254	daj
	% Moisture, Solid	18.8		0.10	0.10	1	%	133528		11/08/04 1254	daj
8260B	Volatile Organics										
	Chloromethane, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Vinyl chloride, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Bromomethane, Solid*	6.2	U	1.6	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Chloroethane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	1,1-Dichloroethene, Solid*	6.2	U	1.6	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Carbon disulfide, Solid*	6.2	U	1.5	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Acetone, Solid*	18	U	5.7	18	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Methylene chloride, Solid*	12	U	3.6	12	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	trans-1,2-Dichloroethane, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	1,1-Dichloroethane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	cis-1,2-Dichloroethane, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	2-Butanone (MEK), Solid*	18	U	4.8	18	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Bromochloromethane, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Chloroform, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	1,1,1-Trichloroethane, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Carbon tetrachloride, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Benzene, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	1,2-Dichloroethane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Trichloroethene, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
1,2-Dichloropropane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj	
Bromodichloromethane, Solid*	6.2	U	1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj	
cis-1,3-Dichloropropene, Solid*	6.2	U	1.1	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj	
4-Methyl-2-pentanone (MIBK), Solid*	12	U	1.2	12	1.00000	ug/Kg	134342		11/12/04 1623	jdj	
Toluene, Solid*	6.2	U	1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYKAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: ASYss-012D-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-6
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	1,1,2-Trichloroethane, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Tetrachloroethene, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	2-Hexanone, Solid*	12	U		1.4	12	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Dibromochloromethane, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	1,2-Dibromoethane (EDB), Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Chlorobenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Ethylbenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	m&p-Xylenes, Solid*	12	U		2.8	12	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	o-Xylene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Styrene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Bromoform, Solid*	6.2	U		0.92	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	1,2-Dichloroethene (total), Solid*	12	U		2.6	12	1.00000	ug/Kg	134342		11/12/04 1623	jdj
	Xylenes (total), Solid*	12	U		4.2	12	1.00000	ug/Kg	134342		11/12/04 1623	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793 Date: 11/23/2004

CUSTOMER: HKM Engineers, Inc. PROJECT: USACE RYAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: ASYss-012M-S0 Laboratory Sample ID: 231793-10
 Date Sampled.....: 11/04/2004 Date Received.....: 11/09/2004
 Time Sampled.....: 14:15 Time Received.....: 09:45
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	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	135178		11/14/04 0444	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135178		11/14/04 0444	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135178		11/14/04 0444	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135178		11/14/04 0444	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135178		11/14/04 0444	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135178		11/14/04 0444	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135178		11/14/04 0444	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135178		11/14/04 0444	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135178		11/14/04 0444	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135178		11/14/04 0444	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135178		11/14/04 0444	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135178		11/14/04 0444	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135178		11/14/04 0444	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135178		11/14/04 0444	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
LABORATORY TEST RESULTS													
Job Number: 231793								Date: 12/14/2004					
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 A00S				ATTN: Eric Ellis					
Customer Sample ID: ASYss-012M-QA						Laboratory Sample ID: 231793-B							
Date Sampled.....: 11/04/2004						Date Received.....: 11/09/2004							
Time Sampled.....: 15:00						Time Received.....: 09:45							
Sample Matrix.....: Soil													
Method	% Solids Determination		96.4			0.10	0.10	f	%	133996		11/11/04 1305	daj
	% Solids, Solid					0.10	0.10	f	%	133996		11/11/04 1305	daj
	% Moisture, Solid		3.6										
7196A	Hexavalent Chromium												
	Hexavalent Chromium, Solid*		1.9	U		0.47	1.9	1	mg/Kg	134295		11/15/04 0844	pmf

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP T4 ADCS			ATTN: Eric Ellis						
Customer Sample ID: ASYss-012M-QA Date Sampled.....: 11/04/2004 Time Sampled.....: 15:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231793-B Date Received.....: 11/09/2004 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	96.4			0.10	0.10	1	%	133996		11/11/04 1305	daj
	% Solids, Solid	3.6			0.10	0.10	1	%	133996		11/11/04 1305	daj
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	1.2	U		0.38	1.2	1	mg/Kg	134574		11/17/04 0309	daj
7841	Thallium (GFAA) Thallium, Solid*	0.52	U		0.16	0.52	1	mg/Kg	134623		11/17/04 0353	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.060			0.0045	0.017	1	mg/Kg	134643		11/16/04 1538	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			2.4	15	1	mg/Kg	133930		11/11/04 0420	tds
	Barium, Solid*	120			0.16	1.0	1	mg/Kg	133930		11/11/04 0420	tds
	Arsenic, Solid*	5.0			0.51	1.5	1	mg/Kg	133930		11/11/04 0420	tds
	Beryllium, Solid*	1.8			0.044	0.40	1	mg/Kg	133930		11/11/04 0420	tds
	Cadmium, Solid*	0.29			0.080	0.25	1	mg/Kg	134066		11/11/04 2022	tds
	Calcium, Solid*	43000			3.1	10	1	mg/Kg	133930		11/11/04 0420	tds
	Chromium, Solid*	15			0.22	1.0	1	mg/Kg	133930		11/11/04 0420	tds
	Cobalt, Solid*	2.0			0.14	0.50	1	mg/Kg	133930		11/11/04 0420	tds
	Copper, Solid*	9.5			0.90	3.0	1	mg/Kg	133930		11/11/04 0420	tds
	Iron, Solid*	9900			3.0	10	1	mg/Kg	133930		11/11/04 0420	tds
	Magnesium, Solid*	6400			1.7	10	1	mg/Kg	133930		11/11/04 0420	tds
	Manganese, Solid*	760			0.13	1.0	1	mg/Kg	133930		11/11/04 0420	tds
	Nickel, Solid*	7.8			0.25	1.0	1	mg/Kg	133930		11/11/04 0420	tds
	Lead, Solid*	31			0.43	1.5	1	mg/Kg	133930		11/11/04 0420	tds
	Potassium, Solid*	1300			14	50	1	mg/Kg	133930		11/11/04 0420	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231793								Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: ASYss-012M-QA Date Sampled.....: 11/04/2004 Time Sampled.....: 15:00 Sample Matrix.....: Soil						Laboratory Sample ID: 231793-8 Date Received.....: 11/09/2004 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.1		B	0.40	1.5	1	mg/Kg	133930		11/11/04 0420	tds
	Silver, Solid*	3.2			0.31	1.0	1	mg/Kg	133930		11/11/04 0420	tds
	Sodium, Solid*	660			87	300	1	mg/Kg	133930		11/11/04 0420	tds
	Vanadium, Solid*	12			0.21	1.0	1	mg/Kg	133930		11/11/04 0420	tds
	Zinc, Solid*	63			0.40	2.0	1	mg/Kg	133930		11/11/04 0420	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKK Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-012K-QA Date Sampled: 11/04/2004 Time Sampled: 15:00 Sample Matrix: Soil			Laboratory Sample ID: 231793-8 Date Received: 11/09/2004 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	135178		11/14/04 0339	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135178		11/14/04 0339	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135178		11/14/04 0339	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135178		11/14/04 0339	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135178		11/14/04 0339	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135178		11/14/04 0339	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135178		11/14/04 0339	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135178		11/14/04 0339	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135178		11/14/04 0339	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135178		11/14/04 0339	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135178		11/14/04 0339	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135178		11/14/04 0339	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135178		11/14/04 0339	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135178		11/14/04 0339	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/18/2004

CUSTOMER: HOKI Engineers, Inc.

PROJECT: USACE RVAAP 14 ADES

ATTN: Eric Ellis

Customer Sample ID: ASYss-012D-QA
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-7
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	81.4			0.10	0.10	1	%	133528		11/08/04 1256	daj
	% Moisture, Solid	18.6			0.10	0.10	1	%	133528		11/08/04 1256	daj
8260B	Volatile Organics											
	Chloromethane, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Vinyl chloride, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Bromomethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Chloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Carbon disulfide, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Acetone, Solid*	18	U		5.7	18	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Methylene chloride, Solid*	12	U		3.6	12	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	trans-1,2-Dichloroethene, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,1-Dichloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	cis-1,2-Dichloroethane, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	2-Butanone (MEK), Solid*	18	U		4.8	18	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Bromochloromethane, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Chloroform, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,1,1-Trichloroethane, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Carbon tetrachloride, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Benzene, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,2-Dichloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Trichloroethene, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,2-Dichloropropane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Bromodichloromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
cis-1,3-Dichloropropene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj	
4-Methyl-2-pentanone (MIBK), Solid*	12	U		1.2	12	1.00000	ug/Kg	133968		11/10/04 1950	jdj	
Toluene, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/18/2004

CUSTOMER: MKK Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellys

Customer Sample ID: ASYss-0120-QA
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231757-7
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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		0.97	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,1,2-Trichloroethane, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Tetrachloroethene, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	2-Hexanone, Solid*	12	U		1.4	12	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Dibromochloromethane, Solid*	6.1	U		0.97	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,2-Dibromoethane (EDB), Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Chlorobenzene, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Ethylbenzene, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	m&p-Xylenes, Solid*	12	U		2.8	12	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	o-Xylene, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Styrene, Solid*	6.1	U		1.4	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Bromoform, Solid*	6.1	U		0.92	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	1,2-Dichloroethene (total), Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 1950	jdj
	Xylenes (total), Solid*	12	U		4.2	12	1.00000	ug/Kg	133968		11/10/04 1950	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-013M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 09:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-12
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.9			0.10	0.10	1	%	133522		11/08/04 1221	daj
	% Moisture, Solid	8.1			0.10	0.10	1	%	133522		11/08/04 1221	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.48	1.5	1	mg/Kg	134362		11/13/04 1658	daj
7841	Thallium (GFAA) Thallium, Solid*	0.65		U	0.21	0.65	1	mg/Kg	134377		11/14/04 0909	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.030			0.0047	0.018	1	mg/Kg	134643		11/16/04 1624	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	20000			2.4	15	1	mg/Kg	134454		11/15/04 1442	tds
	Barium, Solid*	210			0.16	1.0	1	mg/Kg	134454		11/15/04 1442	tds
	Arsenic, Solid*	10			0.52	1.5	1	mg/Kg	134454		11/15/04 1442	tds
	Beryllium, Solid*	3.7			0.045	0.41	1	mg/Kg	134454		11/15/04 1442	tds
	Cadmium, Solid*	0.84			0.081	0.25	1	mg/Kg	134454		11/15/04 1442	tds
	Calcium, Solid*	83000			3.1	10	1	mg/Kg	134454		11/15/04 1442	tds
	Chromium, Solid*	34			0.22	1.0	1	mg/Kg	134454		11/15/04 1442	tds
	Cobalt, Solid*	4.0			0.14	0.51	1	mg/Kg	134454		11/15/04 1442	tds
	Copper, Solid*	25			0.91	3.0	1	mg/Kg	134454		11/15/04 1442	tds
	Iron, Solid*	14000			3.0	10	1	mg/Kg	134454		11/15/04 1442	tds
	Magnesium, Solid*	12000			1.7	10	1	mg/Kg	134454		11/15/04 1442	tds
	Manganese, Solid*	1900			0.13	1.0	1	mg/Kg	134454		11/15/04 1442	tds
	Nickel, Solid*	18			0.25	1.0	1	mg/Kg	134454		11/15/04 1442	tds
	Lead, Solid*	97			0.44	1.5	1	mg/Kg	134454		11/15/04 1442	tds
	Potassium, Solid*	1900			14	51	1	mg/Kg	134454		11/15/04 1442	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS							Date: 11/19/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-013M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 09:00 Sample Matrix.....: Soil					Laboratory Sample ID: 231715-12 Date Received.....: 11/05/2004 Time Received.....: 09:30							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.98		B	0.41	1.5	1	mg/Kg	134454		11/15/04 1442	tds
	Silver, Solid*	1.0		U	0.31	1.0	1	mg/Kg	134454		11/15/04 1442	tds
	Sodium, Solid*	880			88	300	1	mg/Kg	134454		11/15/04 1442	tds
	Vanadium, Solid*	12			0.21	1.0	1	mg/Kg	134454		11/15/04 1442	tds
	Zinc, Solid*	120			0.41	2.0	1	mg/Kg	134454		11/15/04 1442	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-013M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 09:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-12
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	134769		11/11/04 0346	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 0346	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 0346	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134769		11/11/04 0346	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 0346	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 0346	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 0346	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 0346	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 0346	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.091	J	a	0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0346	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 0346	san
	2-Nitrotoluene, Solid	0.24	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0346	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0346	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0346	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657				Date: 11/18/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAAP T4 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYss-0130-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 09:00 Sample Matrix.....: Soil				Laboratory Sample ID: 231657-9 Date Received.....: 11/04/2004 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	76.0			0.10	0.10	1	%	133225		11/04/04 2306	clb
	% Moisture, Solid	24.0			0.10	0.10	1	%	133225		11/04/04 2306	clb
82608	Volatile Organics											
	Chloromethane, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Vinyl chloride, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Bromomethane, Solid*	6.6		U	1.7	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Chloroethane, Solid*	6.6		U	1.3	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,1-Dichloroethane, Solid*	6.6		U	1.7	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Carbon disulfide, Solid*	6.6		U	1.6	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Acetone, Solid*	20		U	6.1	20	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Methylene chloride, Solid*	13		U	3.8	13	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	trans-1,2-Dichloroethene, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,1-Dichloroethane, Solid*	6.6		U	1.3	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	cis-1,2-Dichloroethene, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	2-Butanone (MEK), Solid*	20		U	5.1	20	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Bromochloromethane, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Chloroform, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,1,1-Trichloroethane, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Carbon tetrachloride, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Benzene, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,2-Dichloroethane, Solid*	6.6		U	1.2	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Trichloroethene, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,2-Dichloropropane, Solid*	6.6		U	1.3	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Bromodichloromethane, Solid*	6.6		U	1.3	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	cis-1,3-Dichloropropene, Solid*	6.6		U	1.2	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13		U	1.3	13	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Toluene, Solid*	6.6		U	1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-0130-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 09:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231657-9 Date Received.....: 11/04/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.6	U		1.0	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,1,2-Trichloroethane, Solid*	6.6	U		1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Tetrachloroethene, Solid*	6.6	U		1.6	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	2-Hexanone, Solid*	13	U		1.4	13	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Dibromochloromethane, Solid*	6.6	U		1.0	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,2-Dibromoethane (EDB), Solid*	6.6	U		1.1	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Chlorobenzene, Solid*	6.6	U		1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Ethylbenzene, Solid*	6.6	U		1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	m&p-Xylenes, Solid*	13	U		3.0	13	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	o-Xylene, Solid*	6.6	U		1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Styrene, Solid*	6.6	U		1.4	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Bromoform, Solid*	6.6	U		0.99	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.6	U		1.3	6.6	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	1,2-Dichloroethene (total), Solid*	13	U		2.8	13	1.00000	ug/Kg	133782		11/09/04 2248	jdj
	Xylenes (total), Solid*	13	U		4.5	13	1.00000	ug/Kg	133782		11/09/04 2248	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-014M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 11:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-3
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	89.9			0.10	0.10	1	%	133581		11/08/04 2214	daj
	% Moisture, Solid	10.1			0.10	0.10	1	%	133581		11/08/04 2214	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	134362		11/13/04 1206	daj
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	134375		11/13/04 0855	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.053			0.0048	0.018	1	mg/Kg	134658		11/17/04 1138	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.5	16	1	mg/Kg	134566		11/16/04 1610	tds
	Barium, Solid*	81			0.17	1.1	1	mg/Kg	134566		11/16/04 1610	tds
	Arsenic, Solid*	9.2			0.54	1.6	1	mg/Kg	134566		11/16/04 1610	tds
	Beryllium, Solid*	0.84			0.047	0.42	1	mg/Kg	134566		11/16/04 1610	tds
	Cadmium, Solid*	0.14		B	0.085	0.27	1	mg/Kg	134566		11/16/04 1610	tds
	Calcium, Solid*	9200			3.3	11	1	mg/Kg	134566		11/16/04 1610	tds
	Chromium, Solid*	16			0.23	1.1	1	mg/Kg	134566		11/16/04 1610	tds
	Cobalt, Solid*	6.8			0.15	0.53	1	mg/Kg	134566		11/16/04 1610	tds
	Copper, Solid*	14			0.96	3.2	1	mg/Kg	134566		11/16/04 1610	tds
	Iron, Solid*	18000			3.2	11	1	mg/Kg	134566		11/16/04 1610	tds
	Magnesium, Solid*	2800			1.8	11	1	mg/Kg	134566		11/16/04 1610	tds
	Manganese, Solid*	710			0.14	1.1	1	mg/Kg	134566		11/16/04 1610	tds
	Nickel, Solid*	12			0.27	1.1	1	mg/Kg	134566		11/16/04 1610	tds
	Lead, Solid*	26			0.46	1.6	1	mg/Kg	134566		11/16/04 1610	tds
	Potassium, Solid*	890			15	53	1	mg/Kg	134566		11/16/04 1610	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-014M-SO Date Sampled.....: 11/04/2004 Time Sampled.....: 11:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-3 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.84	B		0.42	1.6	1					
	Silver, Solid*	1.1	U		0.33	1.1	1	mg/Kg	134566		11/16/04 1610	tds
	Sodium, Solid*	340			92	320	1	mg/Kg	134566		11/16/04 1610	tds
	Vanadium, Solid*	21			0.22	1.1	1	mg/Kg	134566		11/16/04 1610	tds
	Zinc, Solid*	65			0.42	2.1	1	mg/Kg	134566		11/16/04 1610	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ADCS			ATTN: ERIC ELLIS						
Customer Sample ID: ASYss-014M-SO			Laboratory Sample ID: 231758-3									
Date Sampled.....: 11/04/2004			Date Received.....: 11/06/2004									
Time Sampled.....: 11:30			Time Received.....: 11:00									
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	135135		11/11/04 1635	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135135		11/11/04 1635	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135135		11/11/04 1635	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135135		11/11/04 1635	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135135		11/11/04 1635	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135135		11/11/04 1635	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/11/04 1635	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135135		11/11/04 1635	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135135		11/11/04 1635	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/11/04 1635	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135135		11/11/04 1635	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 1635	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 1635	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 1635	san

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYss-D15M-SD Date Sampled.....: 11/04/2004 Time Sampled.....: 10:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231793-7 Date Received.....: 11/09/2004 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	98.1			0.10	0.10	1	%	133996		11/11/04 1303	daj
	% Moisture, Solid	1.9			0.10	0.10	1	%	133996		11/11/04 1303	daj
7041	Antimony (GFAA) Antimony, Solid*	1.2		U	0.39	1.2	1	mg/Kg	134574		11/17/04 0259	daj
7841	Thallium (GFAA) Thallium, Solid*	0.53		U	0.17	0.53	1	mg/Kg	134623		11/17/04 0340	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.067			0.0044	0.017	1	mg/Kg	134643		11/16/04 1536	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.4	15	1	mg/Kg	133930		11/11/04 0413	tds
	Barium, Solid*	79			0.16	1.0	1	mg/Kg	133930		11/11/04 0413	tds
	Arsenic, Solid*	9.4			0.51	1.5	1	mg/Kg	133930		11/11/04 0413	tds
	Beryllium, Solid*	0.80			0.044	0.40	1	mg/Kg	133930		11/11/04 0413	tds
	Cadmium, Solid*	0.15		B	0.080	0.25	1	mg/Kg	134066		11/11/04 2015	tds
	Calcium, Solid*	11000			3.1	10	1	mg/Kg	133930		11/11/04 0413	tds
	Chromium, Solid*	18			0.22	1.0	1	mg/Kg	133930		11/11/04 0413	tds
	Cobalt, Solid*	6.1			0.14	0.50	1	mg/Kg	133930		11/11/04 0413	tds
	Copper, Solid*	12			0.90	3.0	1	mg/Kg	133930		11/11/04 0413	tds
	Iron, Solid*	20000			3.0	10	1	mg/Kg	133930		11/11/04 0413	tds
	Magnesium, Solid*	2900			1.7	10	1	mg/Kg	133930		11/11/04 0413	tds
	Manganese, Solid*	360			0.13	1.0	1	mg/Kg	133930		11/11/04 0413	tds
	Nickel, Solid*	13			0.25	1.0	1	mg/Kg	133930		11/11/04 0413	tds
	Lead, Solid*	28			0.43	1.5	1	mg/Kg	133930		11/11/04 0413	tds
	Potassium, Solid*	1000			14	50	1	mg/Kg	133930		11/11/04 0413	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231793								Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE BVAAP 14 ADDS				ATTN: Eric Ellis				
Customer Sample ID: ASYss-015M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 10:25 Sample Matrix.....: Soil						Laboratory Sample ID: 231793-7 Date Received.....: 11/09/2004 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	133930		11/11/04 0413	tds
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	133930		11/11/04 0413	tds
	Sodium, Solid*	330			86	300	1	mg/Kg	133930		11/11/04 0413	tds
	Vanadium, Solid*	22			0.21	1.0	1	mg/Kg	133930		11/11/04 0413	tds
	Zinc, Solid*	66			0.40	2.0	1	mg/Kg	133930		11/11/04 0413	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: HQM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACIS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-015M-SO Date Sampled.....: 11/04/2004 Time Sampled.....: 10:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231793-7 Date Received.....: 11/09/2004 Time Received.....: 09:45									
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*	17	U		1.6	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	beta-BHC, 3541 Solid*	17	U		1.5	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	delta-BHC, 3541 Solid*	17	U		1.1	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	gamma-BHC (Lindane), 3541 Solid*	17	U		2.3	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Heptachlor, 3541 Solid*	17	U		1.8	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Aldrin, 3541 Solid*	17	U		1.3	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Heptachlor epoxide, 3541 Solid*	17	U		1.4	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Endosulfan I, 3541 Solid*	17	U		2.7	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Dieldrin, 3541 Solid*	17	U		3.4	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	4,4'-DDE, 3541 Solid*	20	U		6.4	20	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Endrin, 3541 Solid*	17	U		4.2	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Endosulfan II, 3541 Solid*	17	U		2.8	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	4,4'-DDD, 3541 Solid*	17	U		3.6	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Endosulfan sulfate, 3541 Solid*	17	U		2.9	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	4,4'-DDT, 3541 Solid*	17	U		3.7	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Methoxychlor, 3541 Solid*	82	U		23	82	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	alpha-Chlordane, 3541 Solid*	17	U		1.2	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	gamma-Chlordane, 3541 Solid*	17	U		1.5	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Endrin aldehyde, 3541 Solid*	17	U		3.3	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Endrin ketone, 3541 Solid*	17	U		2.9	17	10.0000	ug/Kg	135977		12/02/04 1312	kdl
	Toxaphene, 3541 Solid*	160	U		45	160	10.0000	ug/Kg	135977		12/02/04 1312	kdl
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	1	%	133996		11/11/04 1303	daj
	% Moisture, Solid	1.9			0.10	0.10	1	%	133996		11/11/04 1303	daj

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date:12/01/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYss-015M-SO			Laboratory Sample ID: 231793-7									
Date Sampled.....: 11/04/2004			Date Received.....: 11/09/2004									
Time Sampled.....: 10:25			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
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	33		U	8.8	33	1.00000	ug/Kg	135781		11/23/04 1749	bjt
	Aroclor 1221, 3541 Solid*	33		U	4.5	33	1.00000	ug/Kg	135781		11/23/04 1749	bjt
	Aroclor 1232, 3541 Solid*	16		U	4.4	16	1.00000	ug/Kg	135781		11/23/04 1749	bjt
	Aroclor 1242, 3541 Solid*	33		U	4.8	33	1.00000	ug/Kg	135781		11/23/04 1749	bjt
	Aroclor 1248, 3541 Solid*	16		U	3.7	16	1.00000	ug/Kg	135781		11/23/04 1749	bjt
	Aroclor 1254, 3541 Solid*	33		U	4.4	33	1.00000	ug/Kg	135781		11/23/04 1749	bjt
	Aroclor 1260, 3541 Solid*	33		U	13	33	1.00000	ug/Kg	135781		11/23/04 1749	bjt
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	1	%	133996		11/11/04 1303	daj
	% Moisture, Solid	1.9			0.10	0.10	1	%	133996		11/11/04 1303	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Elliot

Customer Sample ID: ASYss-015D-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-6
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	77.2			0.10	0.10	1	%	133522		11/08/04 1209	daj
	% Moisture, Solid	22.8			0.10	0.10	1	%	133522		11/08/04 1209	daj
8260B	Volatile Organics											
	Chloromethane, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Vinyl chloride, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Bromomethane, Solid*	6.5		U	1.7	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Chloroethane, Solid*	6.5		U	1.3	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,1-Dichloroethene, Solid*	6.5		U	1.7	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Carbon disulfide, Solid*	6.5		U	1.6	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Acetone, Solid*	19		U	6.0	19	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Methylene chloride, Solid*	13		U	3.8	13	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	trans-1,2-Dichloroethene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,1-Dichloroethane, Solid*	6.5		U	1.3	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	cis-1,2-Dichloroethene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	2-Butanone (MEK), Solid*	19		U	5.1	19	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Bromochloromethane, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Chloroform, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,1,1-Trichloroethane, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Carbon tetrachloride, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Benzene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,2-Dichloroethane, Solid*	6.5		U	1.2	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Trichloroethene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,2-Dichloropropane, Solid*	6.5		U	1.3	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
Bromodichloromethane, Solid*	6.5		U	1.2	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj	
cis-1,3-Dichloropropene, Solid*	6.5		U	1.2	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj	
4-Methyl-2-pentanone (MIBK), Solid*	13		U	1.3	13	1.00000	ug/Kg	133782		11/10/04 0127	jdj	
Toluene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/22/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-015D-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-6
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.5		U	1.0	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,1,2-Trichloroethane, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Tetrachloroethene, Solid*	6.5		U	1.6	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	2-Hexanone, Solid*	13		U	1.4	13	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Dibromochloromethane, Solid*	6.5		U	1.0	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,2-Dibromoethane (EDB), Solid*	6.5		U	1.1	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Chlorobenzene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Ethylbenzene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	m&p-Xylenes, Solid*	13		U	3.0	13	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	o-Xylene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Styrene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Bromoform, Solid*	6.5		U	0.97	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.5		U	1.2	6.5	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	1,2-Dichloroethene (total), Solid*	13		U	2.7	13	1.00000	ug/Kg	133782		11/10/04 0127	jdj
	Xylenes (total), Solid*	13		U	4.4	13	1.00000	ug/Kg	133782		11/10/04 0127	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-015M-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231793-7
 Date Received.....: 11/09/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	RT	DATE/TIME	TECH
8270C	Semivolatile Organics										
	Phenol, 3541 Low Solid*	33	J	6.8	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Phenol, 3541 Low Solid*	31	J	7.1	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	64	U	8.5	64	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	67	U	8.9	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	160	U	13	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	1,3-Dichlorobenzene, 3541 Low Solid*	170	U	13	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	160	U	15	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	1,4-Dichlorobenzene, 3541 Low Solid*	170	U	15	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	160	U	14	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	1,2-Dichlorobenzene, 3541 Low Solid*	170	U	14	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Benzyl alcohol, 3541 Low Solid*	210	J	71	640	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Benzyl alcohol, 3541 Low Solid*	250	J	74	670	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	64	U	10	64	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2-Methylphenol (o-cresol), 3541 Low Solid*	67	U	11	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Sol*id	160	U	15	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2,2-oxybis (1-chloropropane), 3541 Low Sol*id	170	U	16	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	64	U	13	64	1.00000	ug/Kg	135735		11/29/04 0928	glr
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	67	U	13	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Hexachloroethane, 3541 Low Solid*	160	U	8.2	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Hexachloroethane, 3541 Low Solid*	170	U	8.6	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	64	U	11	64	1.00000	ug/Kg	135735		11/29/04 0928	glr
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	67	U	12	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2-Chlorophenol, 3541 Low Solid*	160	U	13	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2-Chlorophenol, 3541 Low Solid*	170	U	14	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Nitrobenzene, 3541 Low Solid*	32	U	8.2	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Nitrobenzene, 3541 Low Solid*	33	U	8.6	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	64	U	8.4	64	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	67	U	8.8	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-015M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231793-7
 Date Received.....: 11/09/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trichlorobenzene, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	1,2,4-Trichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Benzoic acid, 3541 Low Solid*	640	U	*	190	640	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Benzoic acid, 3541 Low Solid*	670	U	*	200	670	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Isophorone, 3541 Low Solid*	160	U		19	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Isophorone, 3541 Low Solid*	170	U		20	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	320	U		16	320	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2,4-Dimethylphenol, 3541 Low Solid*	330	U		16	330	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Hexachlorobutadiene, 3541 Low Solid*	160	U		8.6	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Hexachlorobutadiene, 3541 Low Solid*	170	U		9.0	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Naphthalene, 3541 Low Solid*	18	J		8.0	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Naphthalene, 3541 Low Solid*	31	J		8.4	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	320	U		15	320	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2,4-Dichlorophenol, 3541 Low Solid*	330	U		16	330	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	4-Chloroaniline, 3541 Low Solid*	640	U		52	640	1.00000	ug/Kg	135735		11/29/04 0928	glr
	4-Chloroaniline, 3541 Low Solid*	670	U		54	670	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	160	U		36	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2,4,6-Trichlorophenol, 3541 Low Solid*	170	U		38	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	320	U		43	320	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2,4,5-Trichlorophenol, 3541 Low Solid*	330	U		45	330	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	960	U		290	960	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Hexachlorocyclopentadiene, 3541 Low Solid*	1000	U		310	1000	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2-Methylnaphthalene, 3541 Low Solid*	22	J		9.6	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2-Methylnaphthalene, 3541 Low Solid*	29	J		10	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2-Nitroaniline, 3541 Low Solid*	160	U		10	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2-Nitroaniline, 3541 Low Solid*	170	U		11	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2-Chloronaphthalene, 3541 Low Solid*	160	U		15	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	2-Chloronaphthalene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	4-Chloro-3-methylphenol, 3541 Low Solid*	320	U		33	320	1.00000	ug/Kg	135735		11/29/04 0928	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 12/06/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: ASYas-015M-SO
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231793-7
 Date Received.....: 11/09/2004
 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*	330		U	35	330	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	32		U	8.8	32	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	2,6-Dinitrotoluene, 3541 Low Solid*	33		U	9.2	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2-Nitrophenol, 3541 Low Solid*	320		U	14	320	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	2-Nitrophenol, 3541 Low Solid*	330		U	15	330	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	3-Nitroaniline, 3541 Low Solid*	640		U	130	640	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	3-Nitroaniline, 3541 Low Solid*	670		U	140	670	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Dimethyl phthalate, 3541 Low Solid*	64		U	8.5	64	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	Dimethyl phthalate, 3541 Low Solid*	67		U	8.9	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	640		U	100	640	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	2,4-Dinitrophenol, 3541 Low Solid*	670		U	100	670	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Acenaphthylene, 3541 Low Solid*	32		U	8.0	32	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	Acenaphthylene, 3541 Low Solid*	24		J	8.3	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	32		U	10	32	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	2,4-Dinitrotoluene, 3541 Low Solid*	33		U	10	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Acenaphthene, 3541 Low Solid*	32		J	8.0	32	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	Acenaphthene, 3541 Low Solid*	56		J	8.3	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Dibenzofuran, 3541 Low Solid*	23		J	8.4	64	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	Dibenzofuran, 3541 Low Solid*	38		J	8.8	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	4-Nitrophenol, 3541 Low Solid*	640		U	200	640	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	4-Nitrophenol, 3541 Low Solid*	670		U	210	670	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Fluorene, 3541 Low Solid*	29		J	8.6	32	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	Fluorene, 3541 Low Solid*	50		J	9.0	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	4-Nitroaniline, 3541 Low Solid*	640		U	43	640	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	4-Nitroaniline, 3541 Low Solid*	670		U	45	670	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	160		U	9.6	160	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	4-Bromophenyl phenyl ether, 3541 Low Solid*	170		U	10	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Hexachlorobenzene, 3541 Low Solid*	32		U	9.1	32	1.00000	ug/Kg	135735	RE	11/29/04 0928	glr
	Hexachlorobenzene, 3541 Low Solid*	33		U	9.5	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-015M-S0
 Date Sampled.....: 11/04/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231793-7
 Date Received.....: 11/09/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Diethyl phthalate, 3541 Low Solid*	64	U		9.1	64	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Diethyl phthalate, 3541 Low Solid*	67	U		9.5	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	160	U		9.5	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	170	U		9.9	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Pentachlorophenol, 3541 Low Solid*	320	U		110	320	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Pentachlorophenol, 3541 Low Solid*	330	U		110	330	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	32	U		10	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	n-Nitrosodiphenylamine, 3541 Low Solid*	33	U		10	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	640	U		160	640	1.00000	ug/Kg	135735		11/29/04 0928	glr
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	670	U	*	170	670	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Phenanthrene, 3541 Low Solid*	320	U		14	48	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Phenanthrene, 3541 Low Solid*	610	U		15	50	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Anthracene, 3541 Low Solid*	100	U		10	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Anthracene, 3541 Low Solid*	180	U		11	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Carbazole, 3541 Low Solid*	160	U		11	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Carbazole, 3541 Low Solid*	150	J		12	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	160	U		11	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Di-n-butyl phthalate, 3541 Low Solid*	170	U		11	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Fluoranthene, 3541 Low Solid*	740	U		10	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Fluoranthene, 3541 Low Solid*	1400	U		11	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Pyrene, 3541 Low Solid*	770	U		11	48	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Pyrene, 3541 Low Solid*	1300	U		12	50	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	64	U		9.9	64	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Butyl benzyl phthalate, 3541 Low Solid*	67	U		10	67	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Benzo(a)anthracene, 3541 Low Solid*	430	U		9.5	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Benzo(a)anthracene, 3541 Low Solid*	790	U		9.9	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	Chrysene, 3541 Low Solid*	440	U		10	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Chrysene, 3541 Low Solid*	730	U		11	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	160	U		14	160	1.00000	ug/Kg	135735		11/29/04 0928	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231793						Date: 12/06/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVRAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYss-015M-S0 Date Sampled.....: 11/04/2004 Time Sampled.....: 10:25 Sample Matrix.....: Soil						Laboratory Sample ID: 231793-7 Date Received.....: 11/09/2004 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*	170	U		15	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	38	J		31	160	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	64	J		32	170	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
	Di-n-octyl phthalate, 3541 Low Solid*	320	U		10	320	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Di-n-octyl phthalate, 3541 Low Solid*	330	U		10	330	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
	Benzo(b)fluoranthene, 3541 Low Solid*	710		H	8.5	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Benzo(b)fluoranthene, 3541 Low Solid*	1200		N	8.9	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
	Benzo(k)fluoranthene, 3541 Low Solid*	370		N	9.0	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Benzo(k)fluoranthene, 3541 Low Solid*	640		H	9.4	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
	Benzo(a)pyrene, 3541 Low Solid*	590			9.1	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Benzo(a)pyrene, 3541 Low Solid*	1100			9.5	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	380			9.8	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	820			10	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	110			9.1	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	260			9.5	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
	Benzo(ghi)perylene, 3541 Low Solid*	480			11	32	1.00000	ug/Kg	135735		11/29/04 0928	glr
	Benzo(ghi)perylene, 3541 Low Solid*	1000			11	33	1.00000	ug/Kg	136188	RE	12/03/04 1645	dpr
Method	% Solids Determination											
	% Solids, Solid	98.1			0.10	0.10	1	%	133996		11/11/04 1303	daj
	% Moisture, Solid	1.9			0.10	0.10	1	%	133996		11/11/04 1303	daj

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-015M-SO Date Sampled.....: 11/04/2004 Time Sampled.....: 10:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231793-7 Date Received.....: 11/09/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	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	135178		11/14/04 0202	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135178		11/14/04 0202	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135178		11/14/04 0202	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135178		11/14/04 0202	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135178		11/14/04 0202	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135178		11/14/04 0202	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135178		11/14/04 0202	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135178		11/14/04 0202	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135178		11/14/04 0202	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135178		11/14/04 0202	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135178		11/14/04 0202	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135178		11/14/04 0202	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135178		11/14/04 0202	san
3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135178		11/14/04 0202	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	135143		11/16/04 0233	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYss-015M-SO

Trace Level Organic Compounds

Lot-Sample #....: G4K100349-006 Work Order #....: GWNNGJ1AA Matrix.....: SOLID
Date Sampled....: 11/04/04 10:25 Date Received...: 11/10/04
Prep Date.....: 11/16/04 Analysis Date...: 11/18/04
Prep Batch #....: 4321529
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	NONE UV/HPIC per

STL CHICAGO

Client sample ID: ASYS-015M-SO

General Chemistry

Lot-Sample #....: G4K100349-006 Work Order #....: GMMNGJ
Date Sampled....: 11/04/04 10:25 Date Received...: 11/10/04

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Nitrocellulose	2.0 J	2.0	mg/kg	MCAMW 353.2	11/11-11/13/04	4316564
				Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 40 mL
				MDL.....: 0.57		

NOTE(S) :

RL Reporting Limit

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

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-016M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 09:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-20 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.0			0.10	0.10	1	%	133522		11/08/04 1239	daj
	% Moisture, Solid	9.0			0.10	0.10	1	%	133522		11/08/04 1239	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	134362		11/13/04 1840	daj
7841	Thallium (GFAA) Thallium, Solid*	0.64		U	0.20	0.64	1	mg/Kg	134456		11/15/04 2211	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.049			0.0047	0.018	1	mg/Kg	134443		11/16/04 1647	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.5	16	1	mg/Kg	134454		11/15/04 1620	tds
	Barium, Solid*	92			0.17	1.1	1	mg/Kg	134454		11/15/04 1620	tds
	Arsenic, Solid*	9.5			0.54	1.6	1	mg/Kg	134454		11/15/04 1620	tds
	Beryllium, Solid*	0.93			0.047	0.42	1	mg/Kg	134454		11/15/04 1620	tds
	Cadmium, Solid*	0.26		U	0.085	0.26	1	mg/Kg	134454		11/15/04 1620	tds
	Calcium, Solid*	13000			3.3	11	1	mg/Kg	134454		11/15/04 1620	tds
	Chromium, Solid*	19			0.23	1.1	1	mg/Kg	134454		11/15/04 1620	tds
	Cobalt, Solid*	5.1			0.15	0.53	1	mg/Kg	134454		11/15/04 1620	tds
	Copper, Solid*	12			0.95	3.2	1	mg/Kg	134454		11/15/04 1620	tds
	Iron, Solid*	18000			3.2	11	1	mg/Kg	134454		11/15/04 1620	tds
	Magnesium, Solid*	3300			1.8	11	1	mg/Kg	134454		11/15/04 1620	tds
	Manganese, Solid*	450			0.14	1.1	1	mg/Kg	134454		11/15/04 1620	tds
	Nickel, Solid*	14			0.26	1.1	1	mg/Kg	134454		11/15/04 1620	tds
	Lead, Solid*	34			0.46	1.6	1	mg/Kg	134454		11/15/04 1620	tds
	Potassium, Solid*	1200			15	53	1	mg/Kg	134454		11/15/04 1620	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-016M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 09:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-20 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6		U	0.42	1.6	1	mg/Kg	134454		11/15/04 1620	tds
	Silver, Solid*	1.1		U	0.33	1.1	1	mg/Kg	134454		11/15/04 1620	tds
	Sodium, Solid*	360			92	320	1	mg/Kg	134454		11/15/04 1620	tds
	Vanadium, Solid*	21			0.22	1.1	1	mg/Kg	134454		11/15/04 1620	tds
	Zinc, Solid*	61			0.42	2.1	1	mg/Kg	134454		11/15/04 1620	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-016M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 09:40 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-20 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134769		11/11/04 1016	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134769		11/11/04 1016	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134769		11/11/04 1016	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134769		11/11/04 1016	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134769		11/11/04 1016	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134769		11/11/04 1016	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 1016	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134769		11/11/04 1016	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 1016	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 1016	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134769		11/11/04 1016	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134769		11/11/04 1016	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 1016	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 1016	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-017M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-19
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.6			0.10	0.10	1	%	133581		11/08/04 2259	daj
	% Moisture, Solid	4.4			0.10	0.10	1	%	133581		11/08/04 2259	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	134362		11/13/04 1547	daj
7841	Thallium (GFAA) Thallium, Solid*	0.58		U	0.18	0.58	1	mg/Kg	134377		11/14/04 0726	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.087			0.0045	0.017	1	mg/Kg	134658		11/17/04 1215	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.4	15	1	mg/Kg	134566		11/16/04 1856	tds
	Barium, Solid*	160			0.16	0.98	1	mg/Kg	134566		11/16/04 1856	tds
	Arsenic, Solid*	22			0.50	1.5	1	mg/Kg	134566		11/16/04 1856	tds
	Beryllium, Solid*	2.5			0.043	0.39	1	mg/Kg	134566		11/16/04 1856	tds
	Cadmium, Solid*	0.88			0.079	0.25	1	mg/Kg	134566		11/16/04 1856	tds
	Calcium, Solid*	83000			3.1	9.8	1	mg/Kg	134566		11/16/04 1856	tds
	Chromium, Solid*	23			0.22	0.98	1	mg/Kg	134566		11/16/04 1856	tds
	Cobalt, Solid*	3.4			0.14	0.49	1	mg/Kg	134566		11/16/04 1856	tds
	Copper, Solid*	32			0.89	3.0	1	mg/Kg	134566		11/16/04 1856	tds
	Iron, Solid*	16000			3.0	9.8	1	mg/Kg	134566		11/16/04 1856	tds
	Magnesium, Solid*	8000			1.7	9.8	1	mg/Kg	134566		11/16/04 1856	tds
	Manganese, Solid*	1300			0.13	0.98	1	mg/Kg	134566		11/16/04 1856	tds
	Nickel, Solid*	16			0.25	0.98	1	mg/Kg	134566		11/16/04 1856	tds
	Lead, Solid*	110			0.42	1.5	1	mg/Kg	134566		11/16/04 1856	tds
	Potassium, Solid*	1400			14	49	1	mg/Kg	134566		11/16/04 1856	tds

* In Description = Dry Wgt.

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RYAMP 14 AOCs ATTN: ERIC ELLIS

Customer Sample ID: ASYss-017M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-19
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLACS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.3			0.39							
	Silver, Solid*	0.98	B		0.31	1.5	1	mg/Kg	134566		11/16/04 1856	tds
	Sodium, Solid*	680	U		85	0.98	1	mg/Kg	134566		11/16/04 1856	tds
	Vanadium, Solid*	10			0.21	300	1	mg/Kg	134566		11/16/04 1856	tds
	Zinc, Solid*	120			0.39	0.98	1	mg/Kg	134566		11/16/04 1856	tds
						2.0	1	mg/Kg	134566		11/16/04 1856	tds

* In Description = Dry Wgt.

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/23/2004

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

Customer Sample ID: ASYss-017M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-19
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HNX, Solid	0.99	U		0.28	0.99	5.00000	mg/Kg	135135		11/13/04 0703	san
	RDX, Solid	0.99	U		0.31	0.99	5.00000	mg/Kg	135135		11/13/04 0703	san
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	135135		11/13/04 0703	san
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	135135		11/13/04 0703	san
	Nitrobenzene, Solid	0.50	U		0.10	0.50	5.00000	mg/Kg	135135		11/13/04 0703	san
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	135135		11/13/04 0703	san
	Tetryl, Solid	2.0	U		0.60	2.0	5.00000	mg/Kg	135135		11/13/04 0703	san
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	135135		11/13/04 0703	san
	2,6-Dinitrotoluene, Solid	0.99	U		0.24	0.99	5.00000	mg/Kg	135135		11/13/04 0703	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.99	U		0.23	0.99	5.00000	mg/Kg	135135		11/13/04 0703	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	135135		11/13/04 0703	san
	2-Nitrotoluene, Solid	0.99	U		0.24	0.99	5.00000	mg/Kg	135135		11/13/04 0703	san
	4-Nitrotoluene, Solid	0.99	U		0.25	0.99	5.00000	mg/Kg	135135		11/13/04 0703	san
	3-Nitrotoluene, Solid	0.99	U		0.26	0.99	5.00000	mg/Kg	135135		11/13/04 0703	san

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP TA AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-017M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 10:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-18 Date Received.....: 11/06/2004 Time Received.....: 11:00									
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	%	133581		11/08/04 2256	daj
	% Moisture, Solid	5.8			0.10	0.10	1	%	133581		11/08/04 2256	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	134362		11/13/04 1537	daj
7841	Thallium (GFAA) Thallium, Solid*	0.24		B	0.20	0.62	1	mg/Kg	134377		11/14/04 0700	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.065			0.0046	0.018	1	mg/Kg	134658		11/17/04 1213	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.4	15	1	mg/Kg	134566		11/16/04 1850	tds
	Barium, Solid*	180			0.16	1.0	1	mg/Kg	134566		11/16/04 1850	tds
	Arsenic, Solid*	23			0.51	1.5	1	mg/Kg	134566		11/16/04 1850	tds
	Beryllium, Solid*	2.7			0.044	0.40	1	mg/Kg	134566		11/16/04 1850	tds
	Cadmium, Solid*	0.89			0.080	0.25	1	mg/Kg	134566		11/16/04 1850	tds
	Calcium, Solid*	80000			3.1	10	1	mg/Kg	134566		11/16/04 1850	tds
	Chromium, Solid*	22			0.22	1.0	1	mg/Kg	134566		11/16/04 1850	tds
	Cobalt, Solid*	3.5			0.14	0.50	1	mg/Kg	134566		11/16/04 1850	tds
	Copper, Solid*	33			0.90	3.0	1	mg/Kg	134566		11/16/04 1850	tds
	Iron, Solid*	16000			3.0	10	1	mg/Kg	134566		11/16/04 1850	tds
	Magnesium, Solid*	8500			1.7	10	1	mg/Kg	134566		11/16/04 1850	tds
	Manganese, Solid*	1300			0.13	1.0	1	mg/Kg	134566		11/16/04 1850	tds
	Nickel, Solid*	15			0.25	1.0	1	mg/Kg	134566		11/16/04 1850	tds
	Lead, Solid*	110			0.43	1.5	1	mg/Kg	134566		11/16/04 1850	tds
	Potassium, Solid*	1600			14	50	1	mg/Kg	134566		11/16/04 1850	tds

* In Description = Dry Hgt.

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/19/2004

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

Customer Sample ID: ASYss-017M-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-18
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.4		B	0.40	1.5	1	mg/Kg	134566		11/16/04 1850	tds
	Silver, Solid*	1.0		U	0.31	1.0	1	mg/Kg	134566		11/16/04 1850	tds
	Sodium, Solid*	720			87	300	1	mg/Kg	134566		11/16/04 1850	tds
	Vanadium, Solid*	11			0.21	1.0	1	mg/Kg	134566		11/16/04 1850	tds
	Zinc, Solid*	130			0.40	2.0	1	mg/Kg	134566		11/16/04 1850	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/22/2004					
CUSTOMER: MKD Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: ASYss-017M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 10:15 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-18 Date Received.....: 11/06/2004 Time Received.....: 11:00										
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	1.0	U		0.28	1.0	5.00000	mg/Kg	135135		11/12/04 0529	san	
	RDX, Solid	1.0	U		0.31	1.0	5.00000	mg/Kg	135135		11/12/04 0529	san	
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	135135		11/12/04 0529	san	
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	135135		11/12/04 0529	san	
	Nitrobenzene, Solid	0.50	U		0.10	0.50	5.00000	mg/Kg	135135		11/12/04 0529	san	
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	135135		11/12/04 0529	san	
	Tetryl, Solid	2.0	U		0.61	2.0	5.00000	mg/Kg	135135		11/12/04 0529	san	
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	135135		11/12/04 0529	san	
	2,6-Dinitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	135135		11/12/04 0529	san	
	2-Amino-4,6-Dinitrotoluene, Solid	1.0	U		0.23	1.0	5.00000	mg/Kg	135135		11/12/04 0529	san	
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	135135		11/12/04 0529	san	
	2-Nitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	135135		11/12/04 0529	san	
	4-Nitrotoluene, Solid	1.0	U		0.25	1.0	5.00000	mg/Kg	135135		11/12/04 0529	san	
	3-Nitrotoluene, Solid	1.0	U		0.27	1.0	5.00000	mg/Kg	135135		11/12/04 0529	san	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-018M-90
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 11:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-19
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.8			0.10	0.10	1	%	133522		11/08/04 1236	daj
	% Moisture, Solid	9.2			0.10	0.10	1	%	133522		11/08/04 1236	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	134362		11/13/04 1829	daj
7841	Thallium (GFAA) Thallium, Solid*	0.35		B	0.20	0.63	1	mg/Kg	134456		11/15/04 2159	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.39			0.0047	0.018	1	mg/Kg	134643		11/16/04 1645	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.4	15	1	mg/Kg	134454		11/15/04 1614	tds
	Barium, Solid*	180			0.16	1.0	1	mg/Kg	134454		11/15/04 1614	tds
	Arsenic, Solid*	41			0.52	1.5	1	mg/Kg	134454		11/15/04 1614	tds
	Beryllium, Solid*	2.1			0.045	0.41	1	mg/Kg	134454		11/15/04 1614	tds
	Cadmium, Solid*	1.4			0.081	0.25	1	mg/Kg	134454		11/15/04 1614	tds
	Calcium, Solid*	88000			3.2	10	1	mg/Kg	134454		11/15/04 1614	tds
	Chromium, Solid*	29			0.22	1.0	1	mg/Kg	134454		11/15/04 1614	tds
	Cobalt, Solid*	4.5			0.14	0.51	1	mg/Kg	134454		11/15/04 1614	tds
	Copper, Solid*	44			0.92	3.1	1	mg/Kg	134454		11/15/04 1614	tds
	Iron, Solid*	19000			3.1	10	1	mg/Kg	134454		11/15/04 1614	tds
	Magnesium, Solid*	7400			1.7	10	1	mg/Kg	134454		11/15/04 1614	tds
	Manganese, Solid*	1300			0.13	1.0	1	mg/Kg	134454		11/15/04 1614	tds
	Nickel, Solid*	20			0.25	1.0	1	mg/Kg	134454		11/15/04 1614	tds
	Lead, Solid*	160			0.44	1.5	1	mg/Kg	134454		11/15/04 1614	tds
	Potassium, Solid*	1500			14	51	1	mg/Kg	134454		11/15/04 1614	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-018M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 11:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-19 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.72		B	0.41	1.5	1	mg/Kg	134454		11/15/04 1614	tds
	Silver, Solid*	5.2			0.32	1.0	1	mg/Kg	134454		11/15/04 1614	tds
	Sodium, Solid*	580			88	310	1	mg/Kg	134454		11/15/04 1614	tds
	Vanadium, Solid*	12			0.21	1.0	1	mg/Kg	134454		11/15/04 1614	tds
	Zinc, Solid*	200			0.41	2.0	1	mg/Kg	134454		11/15/04 1614	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/18/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-018M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 11:25
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-19
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	134769		11/11/04 0944	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 0944	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 0944	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134769		11/11/04 0944	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 0944	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 0944	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 0944	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 0944	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 0944	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.095	J	a	0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0944	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 0944	san
	2-Nitrotoluene, Solid	0.43	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0944	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0944	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0944	san

* In Description = Dry Wgt.

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Job Number: 231977		LABORATORY TEST RESULTS							Date: 12/01/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-019M-SO Date Sampled.....: 11/10/2004 Time Sampled.....: 16:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231977-4 Date Received.....: 11/13/2004 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	90.8			0.10	0.10	1	%	134234		11/14/04 1848	clb
	% Moisture, Solid	9.2			0.10	0.10	1	%	134234		11/14/04 1848	clb
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.47	1.5	1	mg/Kg	135006		11/19/04 2110	daj
7841	Thallium (GFAA) Thallium, Solid*	0.64		U	0.20	0.64	1	mg/Kg	135008		11/20/04 0105	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.64			0.024	0.091	5	mg/Kg	135610		11/24/04 1513	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.5	16	1	mg/Kg	135536		11/24/04 1834	tds
	Barium, Solid*	280			0.17	1.0	1	mg/Kg	135536		11/24/04 1834	tds
	Arsenic, Solid*	11			0.53	1.6	1	mg/Kg	135536		11/24/04 1834	tds
	Beryllium, Solid*	0.71			0.046	0.42	1	mg/Kg	135536		11/24/04 1834	tds
	Cadmium, Solid*	9.5			0.083	0.26	1	mg/Kg	135536		11/24/04 1834	tds
	Calcium, Solid*	4800			3.2	10	1	mg/Kg	135536		11/24/04 1834	tds
	Chromium, Solid*	64			0.23	1.0	1	mg/Kg	135536		11/24/04 1834	tds
	Cobalt, Solid*	5.7			0.15	0.52	1	mg/Kg	135536		11/24/04 1834	tds
	Copper, Solid*	200			0.94	3.1	1	mg/Kg	135536		11/24/04 1834	tds
	Iron, Solid*	27000			3.1	10	1	mg/Kg	135536		11/24/04 1834	tds
	Magnesium, Solid*	1800			1.8	10	1	mg/Kg	135536		11/24/04 1834	tds
	Manganese, Solid*	470			0.14	1.0	1	mg/Kg	135536		11/24/04 1834	tds
	Nickel, Solid*	22			0.26	1.0	1	mg/Kg	135536		11/24/04 1834	tds
	Lead, Solid*	1200			0.45	1.6	1	mg/Kg	135536		11/24/04 1834	tds
	Potassium, Solid*	1200			14	52	1	mg/Kg	135536		11/24/04 1834	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231977

Date: 12/01/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-019M-SD
 Date Sampled.....: 11/10/2004
 Time Sampled.....: 16:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 231977-4
 Date Received.....: 11/13/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.99	B		0.42	1.6	1	mg/Kg	135536		11/24/04 1834	tds
	Silver, Solid*	0.62	B		0.32	1.0	1	mg/Kg	135536		11/24/04 1834	tds
	Sodium, Solid*	950			90	310	1	mg/Kg	135536		11/24/04 1834	tds
	Vanadium, Solid*	19			0.22	1.0	1	mg/Kg	135536		11/24/04 1834	tds
	Zinc, Solid*	1800			2.1	10	5	mg/Kg	135680		11/29/04 2248	tds

* In Description = Dry Wgt.

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Job Number: 231977		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: NKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-019M-SO Date Sampled.....: 11/10/2004 Time Sampled.....: 16:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231977-4 Date Received.....: 11/13/2004 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	135594		11/21/04 0016	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135594		11/21/04 0016	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135594		11/21/04 0016	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-020M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-15
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	POL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.5			0.10	0.10	1	%	133522		11/08/04 1228	daj
	% Moisture, Solid	7.5			0.10	0.10	1	%	133522		11/08/04 1228	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	134362		11/13/04 1738	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	134377		11/14/04 1001	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.035			0.0046	0.018	1	mg/Kg	134643		11/16/04 1631	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.5	15	1	mg/Kg	134454		11/15/04 1501	tds
	Barium, Solid*	110			0.16	1.0	1	mg/Kg	134454		11/15/04 1501	tds
	Arsenic, Solid*	11			0.52	1.5	1	mg/Kg	134454		11/15/04 1501	tds
	Beryllium, Solid*	1.3			0.045	0.41	1	mg/Kg	134454		11/15/04 1501	tds
	Cadmium, Solid*	0.10		B	0.082	0.26	1	mg/Kg	134454		11/15/04 1501	tds
	Calcium, Solid*	21000			3.2	10	1	mg/Kg	134454		11/15/04 1501	tds
	Chromium, Solid*	22			0.22	1.0	1	mg/Kg	134454		11/15/04 1501	tds
	Cobalt, Solid*	6.4			0.14	0.51	1	mg/Kg	134454		11/15/04 1501	tds
	Copper, Solid*	13			0.92	3.1	1	mg/Kg	134454		11/15/04 1501	tds
	Iron, Solid*	23000			3.1	10	1	mg/Kg	134454		11/15/04 1501	tds
	Magnesium, Solid*	3700			1.7	10	1	mg/Kg	134454		11/15/04 1501	tds
	Manganese, Solid*	580			0.13	1.0	1	mg/Kg	134454		11/15/04 1501	tds
	Nickel, Solid*	18			0.26	1.0	1	mg/Kg	134454		11/15/04 1501	tds
	Lead, Solid*	24			0.44	1.5	1	mg/Kg	134454		11/15/04 1501	tds
	Potassium, Solid*	1800			14	51	1	mg/Kg	134454		11/15/04 1501	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date:11/19/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-020M-S0			Laboratory Sample ID: 231715-15									
Date Sampled.....: 11/03/2004			Date Received.....: 11/05/2004									
Time Sampled.....: 11:00			Time Received.....: 09:30									
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		0.41	1.5	1	mg/Kg	134454		11/15/04 1501	tds
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	134454		11/15/04 1501	tds
	Sodium, Solid*	440			89	310	1	mg/Kg	134454		11/15/04 1501	tds
	Vanadium, Solid*	20			0.21	1.0	1	mg/Kg	134454		11/15/04 1501	tds
	Zinc, Solid*	130			0.41	2.0	1	mg/Kg	134454		11/15/04 1501	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/18/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: ERIC ELLIS

Customer Sample ID: ASYss-020M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-15
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	134769		11/11/04 0734	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 0734	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 0734	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134769		11/11/04 0734	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 0734	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 0734	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 0734	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 0734	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 0734	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0734	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 0734	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0734	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0734	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0734	san

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-021M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 11:35 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-17 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.8			0.10	0.10	1	%	133581		11/08/04 2253	daj
	% Moisture, Solid	9.2			0.10	0.10	1	%	133581		11/08/04 2253	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	134362		11/13/04 1516	daj
7841	Thallium (GFAA) Thallium, Solid*	0.25		B	0.20	0.62	1	mg/Kg	134377		11/14/04 0647	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.022			0.0047	0.018	1	mg/Kg	134658		11/17/04 1210	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			2.6	16	1	mg/Kg	134566		11/16/04 1843	tds
	Barium, Solid*	87			0.17	1.1	1	mg/Kg	134566		11/16/04 1843	tds
	Arsenic, Solid*	13			0.55	1.6	1	mg/Kg	134566		11/16/04 1843	tds
	Beryllium, Solid*	1.0			0.047	0.43	1	mg/Kg	134566		11/16/04 1843	tds
	Cadmium, Solid*	0.19		B	0.086	0.27	1	mg/Kg	134566		11/16/04 1843	tds
	Calcium, Solid*	6900			3.3	11	1	mg/Kg	134566		11/16/04 1843	tds
	Chromium, Solid*	22			0.24	1.1	1	mg/Kg	134566		11/16/04 1843	tds
	Cobalt, Solid*	13			0.15	0.54	1	mg/Kg	134566		11/16/04 1843	tds
	Copper, Solid*	20			0.96	3.2	1	mg/Kg	134566		11/16/04 1843	tds
	Iron, Solid*	27000			3.2	11	1	mg/Kg	134566		11/16/04 1843	tds
	Magnesium, Solid*	3300			1.8	11	1	mg/Kg	134566		11/16/04 1843	tds
	Manganese, Solid*	450			0.14	1.1	1	mg/Kg	134566		11/16/04 1843	tds
	Nickel, Solid*	23			0.27	1.1	1	mg/Kg	134566		11/16/04 1843	tds
	Lead, Solid*	17			0.46	1.6	1	mg/Kg	134566		11/16/04 1843	tds
	Potassium, Solid*	1600			15	54	1	mg/Kg	134566		11/16/04 1843	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RMAAP 14 AOCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-021M-50 Date Sampled.....: 11/03/2004 Time Sampled.....: 11:35 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-17 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6		U	0.43	1.6	1	mg/Kg	134566		11/16/04 1843	tds
	Silver, Solid*	1.1		U	0.33	1.1	1	mg/Kg	134566		11/16/04 1843	tds
	Sodium, Solid*	400			93	320	1	mg/Kg	134566		11/16/04 1843	tds
	Vanadium, Solid*	23			0.22	1.1	1	mg/Kg	134566		11/16/04 1843	tds
	Zinc, Solid*	64			0.43	2.1	1	mg/Kg	134566		11/16/04 1843	tds

* In Description = Dry Wgt.

2.6.4

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/22/2004

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

Customer Sample ID: ASYss-021M-50
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 11:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-17
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX, Solid	0.20		U	0.055	0.20	1.00000	mg/Kg	135135		11/12/04 0011	san
	RDX, Solid	0.20		U	0.061	0.20	1.00000	mg/Kg	135135		11/12/04 0011	san
	1,3,5-Trinitrobenzene, Solid	0.098		U	0.032	0.098	1.00000	mg/Kg	135135		11/12/04 0011	san
	1,3-Dinitrobenzene, Solid	0.098		U	0.023	0.098	1.00000	mg/Kg	135135		11/12/04 0011	san
	Nitrobenzene, Solid	0.098		U	0.021	0.098	1.00000	mg/Kg	135135		11/12/04 0011	san
	2,4,6-TNT, Solid	0.098		U	0.023	0.098	1.00000	mg/Kg	135135		11/12/04 0011	san
	Tetryl, Solid	0.39		U	0.12	0.39	1.00000	mg/Kg	135135		11/12/04 0011	san
	2,4-Dinitrotoluene, Solid	0.098		U	0.025	0.098	1.00000	mg/Kg	135135		11/12/04 0011	san
	2,6-Dinitrotoluene, Solid	0.20		U	0.048	0.20	1.00000	mg/Kg	135135		11/12/04 0011	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20		U	0.045	0.20	1.00000	mg/Kg	135135		11/12/04 0011	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29		U	0.092	0.29	1.00000	mg/Kg	135135		11/12/04 0011	san
	2-Nitrotoluene, Solid	0.20		U	0.047	0.20	1.00000	mg/Kg	135135		11/12/04 0011	san
	4-Nitrotoluene, Solid	0.20		U	0.049	0.20	1.00000	mg/Kg	135135		11/12/04 0011	san
	3-Nitrotoluene, Solid	0.20		U	0.052	0.20	1.00000	mg/Kg	135135		11/12/04 0011	san

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-021M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 11:35 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-12 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.8			0.10	0.10	1	%	133581		11/08/04 2239	daj
	% Moisture, Solid	9.2			0.10	0.10	1	%	133581		11/08/04 2239	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	134362		11/13/04 1416	daj
7841	Thallium (GFAA) Thallium, Solid*	0.62		U	0.20	0.62	1	mg/Kg	134456		11/15/04 2048	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.022			0.0047	0.018	1	mg/Kg	134658		11/17/04 1156	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			2.4	15	1	mg/Kg	134566		11/16/04 1749	tds
	Barium, Solid*	84			0.16	1.0	1	mg/Kg	134566		11/16/04 1749	tds
	Arsenic, Solid*	15			0.52	1.5	1	mg/Kg	134566		11/16/04 1749	tds
	Beryllium, Solid*	1.1			0.045	0.41	1	mg/Kg	134566		11/16/04 1749	tds
	Cadmium, Solid*	0.25		U	0.081	0.25	1	mg/Kg	134566		11/16/04 1749	tds
	Calcium, Solid*	6900			3.2	10	1	mg/Kg	134566		11/16/04 1749	tds
	Chromium, Solid*	22			0.22	1.0	1	mg/Kg	134566		11/16/04 1749	tds
	Cobalt, Solid*	13			0.14	0.51	1	mg/Kg	134566		11/16/04 1749	tds
	Copper, Solid*	19			0.92	3.1	1	mg/Kg	134566		11/16/04 1749	tds
	Iron, Solid*	28000			3.1	10	1	mg/Kg	134566		11/16/04 1749	tds
	Magnesium, Solid*	3300			1.7	10	1	mg/Kg	134566		11/16/04 1749	tds
	Manganese, Solid*	470			0.13	1.0	1	mg/Kg	134566		11/16/04 1749	tds
	Nickel, Solid*	23			0.25	1.0	1	mg/Kg	134566		11/16/04 1749	tds
	Lead, Solid*	18			0.44	1.5	1	mg/Kg	134566		11/16/04 1749	tds
	Potassium, Solid*	1500			14	51	1	mg/Kg	134566		11/16/04 1749	tds

* In Description = Dry Wgt.

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/19/2004

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

Customer Sample ID: ASYss-021K-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 11:35
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-12
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.79		B	0.41	1.5	1					
	Silver, Solid*	1.0		U	0.32	1.0	1	mg/Kg	134566		11/16/04 1749	tds
	Sodium, Solid*	390			88	310	1	mg/Kg	134566		11/16/04 1749	tds
	Vanadium, Solid*	24			0.21	1.0	1	mg/Kg	134566		11/16/04 1749	tds
	Zinc, Solid*	66			0.41	2.0	1	mg/Kg	134566		11/16/04 1749	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-021M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 11:35 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-12 Date Received.....: 11/06/2004 Time Received.....: 11:00									
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	135135		11/11/04 2128	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135135		11/11/04 2128	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135135		11/11/04 2128	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135135		11/11/04 2128	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135135		11/11/04 2128	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135135		11/11/04 2128	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/11/04 2128	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135135		11/11/04 2128	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135135		11/11/04 2128	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	135135		11/11/04 2128	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135135		11/11/04 2128	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 2128	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 2128	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 2128	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232010

Date: 12/01/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RWAP 14 AOCs

ATTN: Eric Ellys

Customer Sample ID: ASYss-022M-S0
 Date Sampled.....: 11/12/2004
 Time Sampled.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 232010-9
 Date Received.....: 11/16/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.3			0.10	0.10	1	%	134502		11/16/04 1407	daj
	% Moisture, Solid	1.7			0.10	0.10	1	%	134502		11/16/04 1407	daj
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.41	1.3	1	mg/Kg	135231		11/22/04 1154	daj
7841	Thallium (GFAA) Thallium, Solid*	0.56		U	0.18	0.56	1	mg/Kg	135201		11/22/04 2211	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.031			0.0044	0.017	1	mg/Kg	135393		11/23/04 1254	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			2.3	14	1	mg/Kg	135680		11/29/04 1744	tds
	Barium, Solid*	87			0.15	0.96	1	mg/Kg	135680		11/29/04 1744	tds
	Arsenic, Solid*	14			0.49	1.4	1	mg/Kg	135680		11/29/04 1744	tds
	Beryllium, Solid*	0.91			0.042	0.38	1	mg/Kg	135680		11/29/04 1744	tds
	Cadmium, Solid*	0.24			0.077	0.24	1	mg/Kg	135680		11/29/04 1744	tds
	Calcium, Solid*	4000			3.0	9.6	1	mg/Kg	135680		11/29/04 1744	tds
	Chromium, Solid*	23			0.21	0.96	1	mg/Kg	135680		11/29/04 1744	tds
	Cobalt, Solid*	12			0.13	0.48	1	mg/Kg	135680		11/29/04 1744	tds
	Copper, Solid*	20			0.86	2.9	1	mg/Kg	135680		11/29/04 1744	tds
	Iron, Solid*	27000			2.9	9.6	1	mg/Kg	135680		11/29/04 1744	tds
	Magnesium, Solid*	3300			1.6	9.6	1	mg/Kg	135680		11/29/04 1744	tds
	Manganese, Solid*	570			0.12	0.96	1	mg/Kg	135680		11/29/04 1744	tds
	Nickel, Solid*	23			0.24	0.96	1	mg/Kg	135680		11/29/04 1744	tds
	Lead, Solid*	15			0.41	1.4	1	mg/Kg	135680		11/29/04 1744	tds
	Potassium, Solid*	1700			13	48	1	mg/Kg	135680		11/29/04 1744	tds

* In Description = Dry Wgt.

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Job Number: 232010		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACOS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-022M-50 Date Sampled.....: 11/12/2004 Time Sampled.....: 09:20 Sample Matrix.....: Soil			Laboratory Sample ID: 232010-9 Date Received.....: 11/16/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.53	B		0.38	1.4	1	mg/Kg	135680		11/29/04 1744	tds
	Silver, Solid*	0.96	U		0.30	0.96	1	mg/Kg	135680		11/29/04 1744	tds
	Sodium, Solid*	370			83	290	1	mg/Kg	135680		11/29/04 1744	tds
	Vanadium, Solid*	25			0.20	0.96	1	mg/Kg	135680		11/29/04 1744	tds
	Zinc, Solid*	69			0.38	1.9	1	mg/Kg	135680		11/29/04 1744	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232010

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: ASYss-022M-SD

Date Sampled.....: 11/12/2004

Time Sampled.....: 09:20

Sample Matrix.....: Soil

Laboratory Sample ID: 232010-9

Date Received.....: 11/16/2004

Time Received.....: 09:30

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	135805		11/19/04 0252	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135805		11/19/04 0252	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135805		11/19/04 0252	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135805		11/19/04 0252	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135805		11/19/04 0252	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135805		11/19/04 0252	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135805		11/19/04 0252	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135805		11/19/04 0252	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135805		11/19/04 0252	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135805		11/19/04 0252	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135805		11/19/04 0252	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135805		11/19/04 0252	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135805		11/19/04 0252	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135805		11/19/04 0252	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232010								Date: 12/01/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADES				ATTN: Eric Ellis				
Customer Sample ID: ASYss-022M-QA Date Sampled.....: 11/11/2004 Time Sampled.....: 10:00 Sample Matrix.....: Soil						Laboratory Sample ID: 232010-12 Date Received.....: 11/16/2004 Time Received.....: 09:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	98.3			0.10	0.10	1	%	134502		11/16/04 1413	daj
	% Moisture, Solid	1.7			0.10	0.10	1	%	134502		11/16/04 1413	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	135231		11/22/04 1224	daj
7841	Thallium (GFAA) Thallium, Solid*	0.21		B	0.18	0.58	1	mg/Kg	135201		11/22/04 2301	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.036			0.0044	0.017	1	mg/Kg	135393		11/23/04 1300	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.3	15	1	mg/Kg	135680		11/29/04 1803	tds
	Barium, Solid*	96			0.16	0.98	1	mg/Kg	135680		11/29/04 1803	tds
	Arsenic, Solid*	12			0.50	1.5	1	mg/Kg	135680		11/29/04 1803	tds
	Beryllium, Solid*	1.1			0.043	0.39	1	mg/Kg	135680		11/29/04 1803	tds
	Cadmium, Solid*	0.23		B	0.078	0.24	1	mg/Kg	135680		11/29/04 1803	tds
	Calcium, Solid*	8700			3.0	9.8	1	mg/Kg	135680		11/29/04 1803	tds
	Chromium, Solid*	19			0.22	0.98	1	mg/Kg	135680		11/29/04 1803	tds
	Cobalt, Solid*	10			0.14	0.49	1	mg/Kg	135680		11/29/04 1803	tds
	Copper, Solid*	17			0.88	2.9	1	mg/Kg	135680		11/29/04 1803	tds
	Iron, Solid*	26000			2.9	9.8	1	mg/Kg	135680		11/29/04 1803	tds
	Magnesium, Solid*	3300			1.7	9.8	1	mg/Kg	135680		11/29/04 1803	tds
	Manganese, Solid*	700			0.13	0.98	1	mg/Kg	135680		11/29/04 1803	tds
	Nickel, Solid*	19			0.24	0.98	1	mg/Kg	135680		11/29/04 1803	tds
	Lead, Solid*	20			0.42	1.5	1	mg/Kg	135680		11/29/04 1803	tds
	Potassium, Solid*	1500			13	49	1	mg/Kg	135680		11/29/04 1803	tds

* In Description = Dry Wgt.

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Job Number: 232010 LABORATORY TEST RESULTS Date: 12/01/2004

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

Customer Sample ID: ASYss-0224-QA
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 232010-12
 Date Received.....: 11/16/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.83	B	0.39	1.5	1	mg/Kg	135680		11/29/04 1803	tds
	Silver, Solid*	0.98	U	0.30	0.98	1	mg/Kg	135680		11/29/04 1803	tds
	Sodium, Solid*	390		85	290	1	mg/Kg	135680		11/29/04 1803	tds
	Vanadium, Solid*	25		0.21	0.98	1	mg/Kg	135680		11/29/04 1803	tds
	Zinc, Solid*	69		0.39	2.0	1	mg/Kg	135680		11/29/04 1803	tds

* In Description = Dry Wgt.

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Job Number: 232010		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AGCS				ATTN: Eric Elite					
Customer Sample ID: ASYss-022N-DA Date Sampled.....: 11/11/2004 Time Sampled.....: 10:00 Sample Matrix.....: Soil			Laboratory Sample ID: 232010-12 Date Received.....: 11/16/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	REL	DETECTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMx, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135805		11/19/04 0430	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135805		11/19/04 0430	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135805		11/19/04 0430	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135805		11/19/04 0430	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135805		11/19/04 0430	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135805		11/19/04 0430	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135805		11/19/04 0430	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135805		11/19/04 0430	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135805		11/19/04 0430	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135805		11/19/04 0430	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135805		11/19/04 0430	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135805		11/19/04 0430	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135805		11/19/04 0430	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135805		11/19/04 0430	san

* 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 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-023M-S0
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 10:55
 Sample Matrix.....: Soil

Laboratory Sample ID: 232093-3
 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	97.4			0.10	0.10	1	%	134910		11/19/04 1351	daj
	% Moisture, Solid	2.6			0.10	0.10	1	%	134910		11/19/04 1351	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	135109		11/21/04 1249	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	135107		11/21/04 2116	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033			0.0020	0.017	1	mg/Kg	135872		11/30/04 1434	gak
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.4	15	1	mg/Kg	135680		11/29/04 1942	tds
	Barium, Solid*	99			0.16	1.0	1	mg/Kg	135680		11/29/04 1942	tds
	Arsenic, Solid*	11			0.52	1.5	1	mg/Kg	135680		11/29/04 1942	tds
	Beryllium, Solid*	0.93			0.045	0.41	1	mg/Kg	135680		11/29/04 1942	tds
	Cadmium, Solid*	0.11		B	0.081	0.25	1	mg/Kg	135680		11/29/04 1942	tds
	Calcium, Solid*	6200			3.1	10	1	mg/Kg	135680		11/29/04 1942	tds
	Chromium, Solid*	22			0.22	1.0	1	mg/Kg	135680		11/29/04 1942	tds
	Cobalt, Solid*	7.4			0.14	0.51	1	mg/Kg	135680		11/29/04 1942	tds
	Copper, Solid*	17			0.91	3.0	1	mg/Kg	135680		11/29/04 1942	tds
	Iron, Solid*	21000			3.0	10	1	mg/Kg	135680		11/29/04 1942	tds
	Magnesium, Solid*	2400			1.7	10	1	mg/Kg	135680		11/29/04 1942	tds
	Manganese, Solid*	330			0.13	1.0	1	mg/Kg	135680		11/29/04 1942	tds
	Nickel, Solid*	21			0.25	1.0	1	mg/Kg	135680		11/29/04 1942	tds
	Lead, Solid*	20			0.44	1.5	1	mg/Kg	135680		11/29/04 1942	tds
	Potassium, Solid*	1000			14	51	1	mg/Kg	135680		11/29/04 1942	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 AGCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-023M-S0 Date Sampled.....: 11/11/2004 Time Sampled.....: 10:55 Sample Matrix.....: Soil			Laboratory Sample ID: 232093-3 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*	1.2	B		0.41	1.5	1	mg/Kg	135680		11/29/04 1942	tds
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	135680		11/29/04 1942	tds
	Sodium, Solid*	360			88	300	1	mg/Kg	135680		11/29/04 1942	tds
	Vanadium, Solid*	19			0.21	1.0	1	mg/Kg	135680		11/29/04 1942	tds
	Zinc, Solid*	65			0.41	2.0	1	mg/Kg	135680		11/29/04 1942	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 R/V MAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-023M-S0 Date Sampled.....: 11/11/2004 Time Sampled.....: 10:55 Sample Matrix.....: Soil			Laboratory Sample ID: 232093-3 Date Received.....: 11/18/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q/PLANS	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		11/21/04 1926	san	
	RDX, Solid	0.20	U	0.063	0.20	1.00000	mg/Kg	136175		11/21/04 1926	san	
	1,3,5-Trinitrobenzene, Solid	0.10	U	0.033	0.10	1.00000	mg/Kg	136175		11/21/04 1926	san	
	1,3-Dinitrobenzene, Solid	0.10	U	0.023	0.10	1.00000	mg/Kg	136175		11/21/04 1926	san	
	Nitrobenzene, Solid	0.10	U	0.021	0.10	1.00000	mg/Kg	136175		11/21/04 1926	san	
	2,4,6-TNT, Solid	0.10	U	0.024	0.10	1.00000	mg/Kg	136175		11/21/04 1926	san	
	Tetryl, Solid	0.40	U	0.12	0.40	1.00000	mg/Kg	136175		11/21/04 1926	san	
	2,4-Dinitrotoluene, Solid	0.10	U	0.026	0.10	1.00000	mg/Kg	136175		11/21/04 1926	san	
	2,6-Dinitrotoluene, Solid	0.20	U	0.049	0.20	1.00000	mg/Kg	136175		11/21/04 1926	san	
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U	0.045	0.20	1.00000	mg/Kg	136175		11/21/04 1926	san	
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U	0.094	0.30	1.00000	mg/Kg	136175		11/21/04 1926	san	
	2-Nitrotoluene, Solid	0.20	U	0.048	0.20	1.00000	mg/Kg	136175		11/21/04 1926	san	
	4-Nitrotoluene, Solid	0.20	U	0.050	0.20	1.00000	mg/Kg	136175		11/21/04 1926	san	
	3-Nitrotoluene, Solid	0.20	U	0.053	0.20	1.00000	mg/Kg	136175		11/21/04 1926	san	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231912

Date: 12/01/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAMP 14 ADOS

ATTN: Eric ELLIS

Customer Sample ID: ASYsd-024M-5D
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 11:55
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231912-13
 Date Received.....: 11/12/2004
 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	23.2			0.10	0.10	1	%	134235		11/14/04 1939	clb
	% Moisture, Solid	76.8			0.10	0.10	1	%	134235		11/14/04 1939	clb
7041	Antimony (GFAA) Antimony, Solid*	4.5		U	1.4	4.5	1	mg/Kg	135006		11/19/04 1459	daj
7841	Thallium (GFAA) Thallium, Solid*	1.9		U	0.60	1.9	1	mg/Kg	135008		11/19/04 1825	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.14			0.019	0.071	1	mg/Kg	135664		11/24/04 1503	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			7.7	48	1	mg/Kg	135536		11/24/04 1424	tds
	Barium, Solid*	140			0.51	3.2	1	mg/Kg	135536		11/24/04 1424	tds
	Arsenic, Solid*	10			1.6	4.8	1	mg/Kg	135536		11/24/04 1424	tds
	Beryllium, Solid*	1.2		B	0.14	1.3	1	mg/Kg	135536		11/24/04 1424	tds
	Cadmium, Solid*	1.8			0.26	0.80	1	mg/Kg	135536		11/24/04 1424	tds
	Calcium, Solid*	5500			9.9	32	1	mg/Kg	135536		11/24/04 1424	tds
	Chromium, Solid*	20			0.70	3.2	1	mg/Kg	135536		11/24/04 1424	tds
	Cobalt, Solid*	7.3			0.45	1.6	1	mg/Kg	135536		11/24/04 1424	tds
	Copper, Solid*	31			2.9	9.6	1	mg/Kg	135536		11/24/04 1424	tds
	Iron, Solid*	17000			9.6	32	1	mg/Kg	135536		11/24/04 1424	tds
	Magnesium, Solid*	2100			5.4	32	1	mg/Kg	135536		11/24/04 1424	tds
	Manganese, Solid*	420			0.42	3.2	1	mg/Kg	135536		11/24/04 1424	tds
	Nickel, Solid*	20			0.80	3.2	1	mg/Kg	135536		11/24/04 1424	tds
	Lead, Solid*	37			1.4	4.8	1	mg/Kg	135536		11/24/04 1424	tds
	Potassium, Solid*	1400			44	160	1	mg/Kg	135536		11/24/04 1424	tds

* In Description = Dry Wgt.

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Job Number: 231912		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RYKAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-024M-SD Date Sampled.....: 11/11/2004 Time Sampled.....: 11:55 Sample Matrix.....: Sediment			Laboratory Sample ID: 231912-13 Date Received.....: 11/12/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.7	B		1.3	4.8	1	mg/Kg	135536		11/24/04 1424	tds
	Silver, Solid*	3.2	U		0.99	3.2	1	mg/Kg	135536		11/24/04 1424	tds
	Sodium, Solid*	450	B		280	960	1	mg/Kg	135536		11/24/04 1424	tds
	Vanadium, Solid*	24			0.67	3.2	1	mg/Kg	135536		11/24/04 1424	tds
	Zinc, Solid*	310			1.3	6.4	1	mg/Kg	135536		11/24/04 1424	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231912

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: ERIC ELLIS

Customer Sample ID: ASYsd-024M-SD
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 11:55
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231912-13
 Date Received.....: 11/12/2004
 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	135654		11/18/04 1514	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135654		11/18/04 1514	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135654		11/18/04 1514	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135654		11/18/04 1514	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135654		11/18/04 1514	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135654		11/18/04 1514	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135654		11/18/04 1514	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135654		11/18/04 1514	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135654		11/18/04 1514	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.079	J	a	0.045	0.20	1.00000	mg/Kg	135654		11/18/04 1514	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135654		11/18/04 1514	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135654		11/18/04 1514	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135654		11/18/04 1514	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135654		11/18/04 1514	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231977

Date: 12/01/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-025M-80
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231977-5
 Date Received.....: 11/13/2004
 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	94.7			0.10	0.10	1	%	134234		11/14/04 1851	clb
	% Moisture, Solid	5.3			0.10	0.10	1	%	134234		11/14/04 1851	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	135006		11/19/04 2134	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	135008		11/20/04 0137	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.065			0.0045	0.017	1	mg/Kg	135610		11/24/04 1412	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.4	15	1	mg/Kg	135536		11/24/04 1840	tds
	Barium, Solid*	94			0.16	1.0	1	mg/Kg	135536		11/24/04 1840	tds
	Arsenic, Solid*	12			0.52	1.5	1	mg/Kg	135536		11/24/04 1840	tds
	Beryllium, Solid*	0.70			0.045	0.40	1	mg/Kg	135536		11/24/04 1840	tds
	Cadmium, Solid*	0.25		U	0.081	0.25	1	mg/Kg	135536		11/24/04 1840	tds
	Calcium, Solid*	1300			3.1	10	1	mg/Kg	135536		11/24/04 1840	tds
	Chromium, Solid*	21			0.22	1.0	1	mg/Kg	135536		11/24/04 1840	tds
	Cobalt, Solid*	9.1			0.14	0.51	1	mg/Kg	135536		11/24/04 1840	tds
	Copper, Solid*	12			0.91	3.0	1	mg/Kg	135536		11/24/04 1840	tds
	Iron, Solid*	23000			3.0	10	1	mg/Kg	135536		11/24/04 1840	tds
	Magnesium, Solid*	2600			1.7	10	1	mg/Kg	135536		11/24/04 1840	tds
	Manganese, Solid*	730			0.13	1.0	1	mg/Kg	135536		11/24/04 1840	tds
	Nickel, Solid*	19			0.25	1.0	1	mg/Kg	135536		11/24/04 1840	tds
	Lead, Solid*	19			0.44	1.5	1	mg/Kg	135536		11/24/04 1840	tds
	Potassium, Solid*	1200			14	51	1	mg/Kg	135536		11/24/04 1840	tds

* In Description = Dry Wgt.

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Job Number: 231977 LABORATORY TEST RESULTS Date: 12/01/2004

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

Customer Sample ID: ASYss-025M-50
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231977-5
 Date Received.....: 11/13/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.94	B		0.40	1.5	1	mg/Kg	135536		11/24/04 1840	tds
	Silver, Solid*	1.0	U		0.31	1.0	1	mg/Kg	135536		11/24/04 1840	tds
	Sodium, Solid*	350			88	300	1	mg/Kg	135536		11/24/04 1840	tds
	Vanadium, Solid*	25			0.21	1.0	1	mg/Kg	135536		11/24/04 1840	tds
	Zinc, Solid*	83			0.40	2.0	1	mg/Kg	135536		11/24/04 1840	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231977

Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-025M-SO
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 231977-5
 Date Received.....: 11/13/2004
 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	135594		11/21/04 0048	bdw
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135594		11/21/04 0048	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135594		11/21/04 0048	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/19/2004

CUSTOMER: MGN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-026M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 16:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-15
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.7			0.10	0.10	1	%	133581		11/08/04 2248	daj
	% Moisture, Solid	4.3			0.10	0.10	1	%	133581		11/08/04 2248	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	134362		11/13/04 1456	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	134377		11/14/04 0556	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.035			0.0045	0.017	1	mg/Kg	134658		11/17/04 1206	gak
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.3	14	1	mg/Kg	134566		11/16/04 1831	tds
	Barium, Solid*	74			0.15	0.94	1	mg/Kg	134566		11/16/04 1831	tds
	Arsenic, Solid*	7.8			0.48	1.4	1	mg/Kg	134566		11/16/04 1831	tds
	Beryllium, Solid*	0.73			0.041	0.38	1	mg/Kg	134566		11/16/04 1831	tds
	Cadmium, Solid*	0.24		U	0.075	0.24	1	mg/Kg	134566		11/16/04 1831	tds
	Calcium, Solid*	2700			2.9	9.4	1	mg/Kg	134566		11/16/04 1831	tds
	Chromium, Solid*	23			0.21	0.94	1	mg/Kg	134566		11/16/04 1831	tds
	Cobalt, Solid*	6.4			0.13	0.47	1	mg/Kg	134566		11/16/04 1831	tds
	Copper, Solid*	13			0.85	2.8	1	mg/Kg	134566		11/16/04 1831	tds
	Iron, Solid*	21000			2.8	9.4	1	mg/Kg	134566		11/16/04 1831	tds
	Magnesium, Solid*	2100			1.6	9.4	1	mg/Kg	134566		11/16/04 1831	tds
	Manganese, Solid*	220			0.12	0.94	1	mg/Kg	134566		11/16/04 1831	tds
	Nickel, Solid*	17			0.24	0.94	1	mg/Kg	134566		11/16/04 1831	tds
	Lead, Solid*	14			0.41	1.4	1	mg/Kg	134566		11/16/04 1831	tds
	Potassium, Solid*	1400			13	47	1	mg/Kg	134566		11/16/04 1831	tds

* In Description = Dry Wgt.

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Job Number: 231758 LABORATORY TEST RESULTS Date: 11/19/2004

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

Customer Sample ID: ASYss-026M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 16:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-15
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.69	B		0.38	1.4	1					
	Silver, Solid*	0.94	U		0.29	0.94	1	mg/Kg	134566		11/16/04 1831	tds
	Sodium, Solid*	340			82	280	1	mg/Kg	134566		11/16/04 1831	tds
	Vanadium, Solid*	21			0.20	0.94	1	mg/Kg	134566		11/16/04 1831	tds
	Zinc, Solid*	64			0.38	1.9	1	mg/Kg	134566		11/16/04 1831	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-026M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 16:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-15
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	135135		11/11/04 2306	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135135		11/11/04 2306	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135135		11/11/04 2306	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135135		11/11/04 2306	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135135		11/11/04 2306	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135135		11/11/04 2306	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/11/04 2306	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135135		11/11/04 2306	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 2306	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/11/04 2306	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135135		11/11/04 2306	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135135		11/11/04 2306	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 2306	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 2306	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-027M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-13
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.0			0.10	0.10	1	%	133581		11/08/04 2242	daj
	% Moisture, Solid	5.0			0.10	0.10	1	%	133581		11/08/04 2242	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	134362		11/13/04 1426	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	134456		11/15/04 2101	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.026			0.0045	0.017	1	mg/Kg	134658		11/17/04 1158	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.3	15	1	mg/Kg	134566		11/16/04 1819	tds
	Barium, Solid*	83			0.15	0.97	1	mg/Kg	134566		11/16/04 1819	tds
	Arsenic, Solid*	11			0.49	1.5	1	mg/Kg	134566		11/16/04 1819	tds
	Beryllium, Solid*	0.90			0.043	0.39	1	mg/Kg	134566		11/16/04 1819	tds
	Cadmium, Solid*	0.11		B	0.077	0.24	1	mg/Kg	134566		11/16/04 1819	tds
	Calcium, Solid*	3000			3.0	9.7	1	mg/Kg	134566		11/16/04 1819	tds
	Chromium, Solid*	22			0.21	0.97	1	mg/Kg	134566		11/16/04 1819	tds
	Cobalt, Solid*	9.3			0.14	0.48	1	mg/Kg	134566		11/16/04 1819	tds
	Copper, Solid*	20			0.87	2.9	1	mg/Kg	134566		11/16/04 1819	tds
	Iron, Solid*	25000			2.9	9.7	1	mg/Kg	134566		11/16/04 1819	tds
	Magnesium, Solid*	2500			1.6	9.7	1	mg/Kg	134566		11/16/04 1819	tds
	Manganese, Solid*	340			0.13	0.97	1	mg/Kg	134566		11/16/04 1819	tds
	Nickel, Solid*	23			0.24	0.97	1	mg/Kg	134566		11/16/04 1819	tds
	Lead, Solid*	15			0.42	1.5	1	mg/Kg	134566		11/16/04 1819	tds
	Potassium, Solid*	1400			13	48	1	mg/Kg	134566		11/16/04 1819	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-027H-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 14:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-13 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.83		B	0.39	1.5	1					
	Silver, Solid*	0.97		U	0.30	0.97	1	mg/Kg	134566		11/16/04 1819	tds
	Sodium, Solid*	370			84	290	1	mg/Kg	134566		11/16/04 1819	tds
	Vanadium, Solid*	22			0.20	0.97	1	mg/Kg	134566		11/16/04 1819	tds
	Zinc, Solid*	75			0.39	1.9	1	mg/Kg	134566		11/16/04 1819	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231758								Date: 12/01/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: ASYss-027M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 14:00 Sample Matrix.....: Soil						Laboratory Sample ID: 231758-13 Date Received.....: 11/06/2004 Time Received.....: 11:00						
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*	17	U		1.6	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	beta-BHC, 3541 Solid*	17	U		1.5	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	delta-BHC, 3541 Solid*	17	U		1.1	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	gamma-BHC (Lindane), 3541 Solid*	17	U		2.3	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Heptachlor, 3541 Solid*	17	U		1.8	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Aldrin, 3541 Solid*	17	U		1.3	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Heptachlor epoxide, 3541 Solid*	17	U		1.4	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Endosulfan I, 3541 Solid*	17	U		2.7	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Dieldrin, 3541 Solid*	17	U		3.5	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	4,4'-DDE, 3541 Solid*	20	U		6.6	20	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Endrin, 3541 Solid*	17	U		4.4	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Endosulfan II, 3541 Solid*	17	U		2.9	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	4,4'-DDD, 3541 Solid*	17	U		3.7	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Endosulfan sulfate, 3541 Solid*	17	U		3.0	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	4,4'-DDT, 3541 Solid*	17	U		3.8	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Methoxychlor, 3541 Solid*	84	U		23	84	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	alpha-Chlordane, 3541 Solid*	17	U		1.2	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	gamma-Chlordane, 3541 Solid*	17	U		1.5	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Endrin aldehyde, 3541 Solid*	17	U		3.4	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Endrin ketone, 3541 Solid*	17	U		3.0	17	10.0000	ug/Kg	135769		11/24/04 2018	kdL
	Toxaphene, 3541 Solid*	170	U		47	170	10.0000	ug/Kg	135769		11/24/04 2018	kdL
Method	% Solids Determination											
	% Solids, Solid	95.0			0.10	0.10	1	%	133581		11/08/04 2242	daj
	% Moisture, Solid	5.0			0.10	0.10	1	%	133581		11/08/04 2242	daj

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AOCs				ATTN: Eric Elise					
Customer Sample ID: ASYss-027M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 14:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-13 Date Received.....: 11/06/2004 Time Received.....: 11:00									
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*	34		U	9.1	34	1.00000	ug/Kg	135616		11/23/04 1528	bjt
	Aroclor 1221, 3541 Solid*	34		U	4.7	34	1.00000	ug/Kg	135616		11/23/04 1528	bjt
	Aroclor 1232, 3541 Solid*	17		U	4.6	17	1.00000	ug/Kg	135616		11/23/04 1528	bjt
	Aroclor 1242, 3541 Solid*	34		U	5.0	34	1.00000	ug/Kg	135616		11/23/04 1528	bjt
	Aroclor 1248, 3541 Solid*	17		U	3.8	17	1.00000	ug/Kg	135616		11/23/04 1528	bjt
	Aroclor 1254, 3541 Solid*	34		U	4.6	34	1.00000	ug/Kg	135616		11/23/04 1528	bjt
	Aroclor 1260, 3541 Solid*	34		U	13	34	1.00000	ug/Kg	135616		11/23/04 1528	bjt
Method	% Solids Determination											
	% Solids, Solid	95.0			0.10	0.10	1	%	133581		11/08/04 2242	daj
	% Moisture, Solid	5.0			0.10	0.10	1	%	133581		11/08/04 2242	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715 Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AOCs

Customer Sample ID: ASYas-027D-50
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-5
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Vinyl chloride, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Bromomethane, Solid*	7.2	U		1.9	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Chloroethane, Solid*	7.2	U		1.4	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,1-Dichloroethene, Solid*	7.2	U		1.9	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Carbon disulfide, Solid*	7.2	U		1.7	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Acetone, Solid*	22			6.6	22	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Methylene chloride, Solid*	14	U		4.2	14	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	trans-1,2-Dichloroethene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,1-Dichloroethane, Solid*	7.2	U		1.4	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	cis-1,2-Dichloroethene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	2-Butanone (MEK), Solid*	22	U		5.6	22	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Bromochloromethane, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Chloroform, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,1,1-Trichloroethane, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Carbon tetrachloride, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Benzene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,2-Dichloroethane, Solid*	7.2	U		1.4	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Trichloroethene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,2-Dichloropropane, Solid*	7.2	U		1.4	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Bromodichloromethane, Solid*	7.2	U		1.4	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	cis-1,3-Dichloropropene, Solid*	7.2	U		1.3	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	14	U		1.4	14	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Toluene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	trans-1,3-Dichloropropene, Solid*	7.2	U		1.1	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,1,2-Trichloroethane, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Tetrachloroethene, Solid*	7.2	U		1.7	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	2-Hexanone, Solid*	14	U		1.6	14	1.00000	ug/Kg	133782		11/10/04 0100	jdj

* In Description = Dry Wgt.

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Job Number: 231715 LABORATORY TEST RESULTS Date: 11/18/2004

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

Customer Sample ID: ASYss-027D-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-5
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	7.2	U		1.1	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,2-Dibromoethane (EDB), Solid*	7.2	U		1.2	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Chlorobenzene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Ethylbenzene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	m&p-Xylenes, Solid*	14	U		3.3	14	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	o-Xylene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Styrene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Bromoform, Solid*	7.2	U		1.1	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,1,2,2-Tetrachloroethane, Solid*	7.2	U		1.4	7.2	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	1,2-Dichloroethene (total), Solid*	14	U		3.0	14	1.00000	ug/Kg	133782		11/10/04 0100	jdj
	Xylenes (total), Solid*	14	U		4.9	14	1.00000	ug/Kg	133782		11/10/04 0100	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 12/01/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: ASYss-027M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-13
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
B270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	170	U		7.3	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	69	U		9.2	69	1.00000	ug/Kg	135735		11/28/04 0445	glr
	1,3-Dichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	1,4-Dichlorobenzene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	1,2-Dichlorobenzene, 3541 Low Solid*	170	U		15	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Benzyl alcohol, 3541 Low Solid*	690	U		76	690	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2-Methylphenol (o-cresol), 3541 Low Solid*	69	U		11	69	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	69	U		14	69	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Hexachloroethane, 3541 Low Solid*	170	U		8.9	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	69	U		12	69	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2-Chlorophenol, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Nitrobenzene, 3541 Low Solid*	34	U		8.9	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	69	U		9.1	69	1.00000	ug/Kg	135735		11/28/04 0445	glr
	1,2,4-Trichlorobenzene, 3541 Low Solid*	170	U		14	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Benzoic acid, 3541 Low Solid*	690	U	*	200	690	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Isophorone, 3541 Low Solid*	170	U		20	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2,4-Dimethylphenol, 3541 Low Solid*	340	U		17	340	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Hexachlorobutadiene, 3541 Low Solid*	170	U		9.3	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Naphthalene, 3541 Low Solid*	13	J	a	8.6	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2,4-Dichlorophenol, 3541 Low Solid*	340	U		16	340	1.00000	ug/Kg	135735		11/28/04 0445	glr
	4-Chloroaniline, 3541 Low Solid*	690	U		55	690	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2,4,6-Trichlorophenol, 3541 Low Solid*	170	U		39	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2,4,5-Trichlorophenol, 3541 Low Solid*	340	U		46	340	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Hexachlorocyclopentadiene, 3541 Low Solid*	1000	U		310	1000	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2-Methylnaphthalene, 3541 Low Solid*	12	J	a	10	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2-Nitroaniline, 3541 Low Solid*	170	U		11	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	2-Chloronaphthalene, 3541 Low Solid*	170	U		16	170	1.00000	ug/Kg	135735		11/28/04 0445	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ADGS

ATTN: Eric Ellis

Customer Sample ID: ASYss-027M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-13
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	36	340	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	2,6-Dinitrotoluene, 3541 Low Solid*	34		U	9.5	34	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	2-Nitrophenol, 3541 Low Solid*	340		U	15	340	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	3-Nitroaniline, 3541 Low Solid*	690		U	140	690	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Dimethyl phthalate, 3541 Low Solid*	69		U	9.2	69	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	2,4-Dinitrophenol, 3541 Low Solid*	690		U	110	690	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Acenaphthylene, 3541 Low Solid*	13		J	a	8.5	34	1.00000	ug/Kg		135735	11/28/04 0445	glr
	2,4-Dinitrotoluene, 3541 Low Solid*	34		U	11	34	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Acenaphthene, 3541 Low Solid*	18		J	a	8.5	34	1.00000	ug/Kg		135735	11/28/04 0445	glr
	Dibenzofuran, 3541 Low Solid*	11		J	a	9.1	69	1.00000	ug/Kg		135735	11/28/04 0445	glr
	4-Nitrophenol, 3541 Low Solid*	690		U	220	690	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	fluorene, 3541 Low Solid*	18		J	a	9.3	34	1.00000	ug/Kg		135735	11/28/04 0445	glr
	4-Nitroaniline, 3541 Low Solid*	690		U	46	690	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	4-Bromophenyl phenyl ether, 3541 Low Soli*	170		U	10	170	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Hexachlorobenzene, 3541 Low Solid*	34		U	9.8	34	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Diethyl phthalate, 3541 Low Solid*	69		U	9.8	69	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	170		U	10	170	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Pentachlorophenol, 3541 Low Solid*	340		U	110	340	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	n-Nitrosodiphenylamine, 3541 Low Solid*	34		U	11	34	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	690		U	170	690	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Phenanthrene, 3541 Low Solid*	210		U	16	51	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Anthracene, 3541 Low Solid*	48		U	11	34	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Carbazole, 3541 Low Solid*	170		U	12	170	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Di-n-butyl phthalate, 3541 Low Solid*	170		U	12	170	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Fluoranthene, 3541 Low Solid*	590		U	11	34	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Pyrene, 3541 Low Solid*	550		U	12	51	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Butyl benzyl phthalate, 3541 Low Solid*	69		U	11	69	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Benzo(a)anthracene, 3541 Low Solid*	290		U	10	34	1.00000	ug/Kg	135735		11/28/04 0445	glr	
	Chrysene, 3541 Low Solid*	330		U	11	34	1.00000	ug/Kg	135735		11/28/04 0445	glr	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-027M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-13
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	135735		11/28/04 0445	glr
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	170		U	33	170	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Di-n-octyl phthalate, 3541 Low Solid*	340		U	11	340	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Benzo(b)fluoranthene, 3541 Low Solid*	450			9.2	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Benzo(k)fluoranthene, 3541 Low Solid*	160		M	9.7	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Benzo(a)pyrene, 3541 Low Solid*	320			9.8	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	180			11	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	52			9.8	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
	Benzo(ghi)perylene, 3541 Low Solid*	230			11	34	1.00000	ug/Kg	135735		11/28/04 0445	glr
Method	% Solids Determination											
	% Solids, Solid	95.0			0.10	0.10	1	%	133581		11/08/04 2242	daj
	% Moisture, Solid	5.0			0.10	0.10	1	%	133581		11/08/04 2242	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellits

Customer Sample ID: ASYss-027M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-13
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	135135		11/11/04 2201	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135135		11/11/04 2201	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135135		11/11/04 2201	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135135		11/11/04 2201	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135135		11/11/04 2201	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135135		11/11/04 2201	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/11/04 2201	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135135		11/11/04 2201	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 2201	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/11/04 2201	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135135		11/11/04 2201	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135135		11/11/04 2201	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 2201	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 2201	san
8332M	NG/PETM by 8332M (HPLC)											
	Nitroglycerine, Solid	0.49	U		0.12	0.49	1.00000	mg/Kg	135044		11/20/04 0759	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYSS-027M-SO

Trace Level Organic Compounds

Lot-Sample #...: G4K060194-008 Work Order #...: GWFAP1AA Matrix.....: SOLID
Date Sampled...: 11/03/04 14:00 Date Received...: 11/06/04
Prep Date.....: 11/09/04 Analysis Date...: 11/10/04
Prep Batch #...: 4314545
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: ASYSS-027M-SO

General Chemistry

Lot-Sample #....: G4K060194-008 Work Order #....: GWFAP
Date Sampled....: 11/03/04 Date Received...: 11/06/04

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrocellulose	1.0 B	2.0	mg/kg	MCAWM 353.2	11/09-11/12/04	4314547
			MDL.....			

NOTE(S) :

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

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-027M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-14 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.3			0.10	0.10	1	%	133581		11/08/04 2245	daj
7041	% Moisture, Solid	4.7			0.10	0.10	1	%	133581		11/08/04 2245	daj
	Antimony (GFAA) Antimony, Solid*	1.4		U	0.45	1.4	1	mg/Kg	134362		11/13/04 1446	daj
784f	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	134456		11/15/04 2114	daj
	Mercury (CVAA) Solids Mercury, Solid*	0.027			0.0045	0.017	1	mg/Kg	134658		11/17/04 1204	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.3	14	1	mg/Kg	134566		11/16/04 1825	tds
	Barium, Solid*	80			0.15	0.96	1	mg/Kg	134566		11/16/04 1825	tds
	Arsenic, Solid*	11			0.49	1.4	1	mg/Kg	134566		11/16/04 1825	tds
	Beryllium, Solid*	0.87			0.042	0.39	1	mg/Kg	134566		11/16/04 1825	tds
	Cadmium, Solid*	0.13		B	0.077	0.24	1	mg/Kg	134566		11/16/04 1825	tds
	Calcium, Solid*	2900			3.0	9.6	1	mg/Kg	134566		11/16/04 1825	tds
	Chromium, Solid*	24			0.21	0.96	1	mg/Kg	134566		11/16/04 1825	tds
	Cobalt, Solid*	9.4			0.13	0.48	1	mg/Kg	134566		11/16/04 1825	tds
	Copper, Solid*	19			0.87	2.9	1	mg/Kg	134566		11/16/04 1825	tds
	Iron, Solid*	24000			2.9	9.6	1	mg/Kg	134566		11/16/04 1825	tds
	Magnesium, Solid*	2500			1.6	9.6	1	mg/Kg	134566		11/16/04 1825	tds
	Manganese, Solid*	360			0.13	0.96	1	mg/Kg	134566		11/16/04 1825	tds
	Nickel, Solid*	22			0.24	0.96	1	mg/Kg	134566		11/16/04 1825	tds
	Lead, Solid*	15			0.41	1.4	1	mg/Kg	134566		11/16/04 1825	tds
Potassium, Solid*	1400			13	48	1	mg/Kg	134566		11/16/04 1825	tds	

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-027M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-14 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.68		B	0.39	1.4	1					
	Silver, Solid*	0.96		U	0.30	0.96	1	mg/Kg	134566		11/16/04 1825	tds
	Sodium, Solid*	350			84	290	1	mg/Kg	134566		11/16/04 1825	tds
	Vanadium, Solid*	21			0.20	0.96	1	mg/Kg	134566		11/16/04 1825	tds
	Zinc, Solid*	74			0.39	1.9	1	mg/Kg	134566		11/16/04 1825	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231758				Date: 12/01/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYss-027M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:00 Sample Matrix.....: Soil						Laboratory Sample ID: 231758-14 Date Received.....: 11/06/2004 Time Received.....: 11:00						
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*	17	U		1.6	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	beta-BHC, 3541 Solid*	17	U		1.5	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	delta-BHC, 3541 Solid*	17	U		1.1	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	gamma-BHC (Lindane), 3541 Solid*	17	U		2.4	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Heptachlor, 3541 Solid*	17	U		1.8	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Aldrin, 3541 Solid*	17	U		1.3	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Heptachlor epoxide, 3541 Solid*	17	U		1.4	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Endosulfan I, 3541 Solid*	17	U		2.8	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Dieldrin, 3541 Solid*	17	U		3.5	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	4,4'-DDE, 3541 Solid*	21	U		6.7	21	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Endrin, 3541 Solid*	17	U		4.4	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Endosulfan II, 3541 Solid*	17	U		2.9	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	4,4'-DDD, 3541 Solid*	17	U		3.7	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Endosulfan sulfate, 3541 Solid*	17	U		3.0	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	4,4'-DDT, 3541 Solid*	17	U		3.8	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Methoxychlor, 3541 Solid*	85	U		24	85	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	alpha-Chlordane, 3541 Solid*	17	U		1.2	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	gamma-Chlordane, 3541 Solid*	17	U		1.5	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Endrin aldehyde, 3541 Solid*	17	U		3.4	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Endrin ketone, 3541 Solid*	17	U		3.0	17	10.0000	ug/Kg	135769		11/24/04 2043	kdl
	Toxaphene, 3541 Solid*	170	U		47	170	10.0000	ug/Kg	135769		11/24/04 2043	kdl
Method	% Solids Determination											
	% Solids, Solid	95.3			0.10	0.10	1	%	133581		11/08/04 2245	da j
	% Moisture, Solid	4.7			0.10	0.10	1	%	133581		11/08/04 2245	da j

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758 Date: 12/01/2004

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

Customer Sample ID: ASYss-027M-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-14
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DY	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	34	U		9.1	34	1.00000	ug/Kg	135616		11/23/04 1603	bjt
	Aroclor 1221, 3541 Solid*	34	U		4.7	34	1.00000	ug/Kg	135616		11/23/04 1603	bjt
	Aroclor 1232, 3541 Solid*	17	U		4.6	17	1.00000	ug/Kg	135616		11/23/04 1603	bjt
	Aroclor 1242, 3541 Solid*	34	U		5.0	34	1.00000	ug/Kg	135616		11/23/04 1603	bjt
	Aroclor 1248, 3541 Solid*	17	U		3.8	17	1.00000	ug/Kg	135616		11/23/04 1603	bjt
	Aroclor 1254, 3541 Solid*	34	U		4.6	34	1.00000	ug/Kg	135616		11/23/04 1603	bjt
	Aroclor 1260, 3541 Solid*	34	U		13	34	1.00000	ug/Kg	135616		11/23/04 1603	bjt
Method	% Solids Determination											
	% Solids, Solid	95.3			0.10	0.10	1	%	133581		11/08/04 2245	daj
	% Moisture, Solid	4.7			0.10	0.10	1	%	133581		11/08/04 2245	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231715						Date: 11/18/2004						
CUSTOMER: MKK Engineers, Inc.				PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: ASYss-027D-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:05 Sample Matrix.....: Soil						Laboratory Sample ID: 231715-4 Date Received.....: 11/05/2004 Time Received.....: 09:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Vinyl chloride, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Bromomethane, Solid*	6.8	U		1.8	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Chloroethane, Solid*	6.8	U		1.4	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,1-Dichloroethane, Solid*	6.8	U		1.8	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Carbon disulfide, Solid*	6.8	U		1.6	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Acetone, Solid*	11	J		6.3	20	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Methylene chloride, Solid*	14	U		4.0	14	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	trans-1,2-Dichloroethene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,1-Dichloroethane, Solid*	6.8	U		1.4	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	cis-1,2-Dichloroethene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	2-Butanone (MEK), Solid*	20	U		5.3	20	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Bromochloromethane, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Chloroform, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,1,1-Trichloroethane, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Carbon tetrachloride, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Benzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,2-Dichloroethane, Solid*	6.8	U		1.3	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Trichloroethene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,2-Dichloropropane, Solid*	6.8	U		1.4	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Bromodichloromethane, Solid*	6.8	U		1.3	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	cis-1,3-Dichloropropene, Solid*	6.8	U		1.3	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	14	U		1.4	14	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Toluene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	trans-1,3-Dichloropropene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,1,2-Trichloroethane, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Tetrachloroethene, Solid*	6.8	U		1.6	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	2-Hexanone, Solid*	14	U		1.5	14	1.00000	ug/Kg	133782		11/10/04 0034	jdj

* In Description = Dry Wgt.

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Job Number: 231715 LABORATORY TEST RESULTS Date: 11/18/2004

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

Customer Sample ID: ASYss-027D-DUP Laboratory Sample ID: 231715-4
 Date Sampled.....: 11/03/2004 Date Received.....: 11/05/2004
 Time Sampled.....: 14:05 Time Received.....: 09:30
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,2-Dibromoethane (EDB), Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Chlorobenzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Ethylbenzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	m&p-Xylenes, Solid*	14	U		3.1	14	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	o-Xylene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Styrene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Bromoform, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.8	U		1.3	6.8	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	1,2-Dichloroethene (total), Solid*	14	U		2.9	14	1.00000	ug/Kg	133782		11/10/04 0034	jdj
	Xylenes (total), Solid*	14	U		4.6	14	1.00000	ug/Kg	133782		11/10/04 0034	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date:11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-027M-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-14
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	U	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, 3541 Low Solid*	160	U		7.0	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	66	U		8.8	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	1,3-Dichlorobenzene, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	1,4-Dichlorobenzene, 3541 Low Solid*	160	U		15	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	1,2-Dichlorobenzene, 3541 Low Solid*	160	U		14	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Benzyl alcohol, 3541 Low Solid*	660	U		73	660	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2-Methylphenol (o-cresol), 3541 Low Solid*	66	U		10	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	160	U		16	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	66	U		13	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Hexachloroethane, 3541 Low Solid*	160	U		8.5	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	66	U		12	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2-Chlorophenol, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Nitrobenzene, 3541 Low Solid*	32	U		8.5	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	66	U		8.7	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	1,2,4-Trichlorobenzene, 3541 Low Solid*	160	U		13	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Benzoic acid, 3541 Low Solid*	660	U	*	190	660	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Isophorone, 3541 Low Solid*	160	U		19	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2,4-Dimethylphenol, 3541 Low Solid*	320	U		16	320	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Hexachlorobutadiene, 3541 Low Solid*	160	U		8.9	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Naphthalene, 3541 Low Solid*	15	J	a	8.3	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2,4-Dichlorophenol, 3541 Low Solid*	320	U		15	320	1.00000	ug/Kg	135735		11/28/04 0510	glr
	4-Chloroaniline, 3541 Low Solid*	660	U		53	660	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2,4,6-Trichlorophenol, 3541 Low Solid*	160	U		37	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2,4,5-Trichlorophenol, 3541 Low Solid*	320	U		44	320	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Hexachlorocyclopentadiene, 3541 Low Solid*	980	U		300	980	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2-Methylnaphthalene, 3541 Low Solid*	13	J	a	9.8	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2-Nitroaniline, 3541 Low Solid*	160	U		11	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2-Chloronaphthalene, 3541 Low Solid*	160	U		15	160	1.00000	ug/Kg	135735		11/28/04 0510	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/30/2004

CUSTOMER: MKK Engineers, Inc.

PROJECT: USACE RVAAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: ASYss-027M-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-14
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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*	320	U		34	320	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2,6-Dinitrotoluene, 3541 Low Solid*	32	U		9.1	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2-Nitrophenol, 3541 Low Solid*	320	U		14	320	1.00000	ug/Kg	135735		11/28/04 0510	glr
	3-Nitroaniline, 3541 Low Solid*	660	U		140	660	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Dimethyl phthalate, 3541 Low Solid*	66	U		8.8	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2,4-Dinitrophenol, 3541 Low Solid*	660	U	*	100	660	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Acenaphthylene, 3541 Low Solid*	16	J	a	8.2	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	2,4-Dinitrotoluene, 3541 Low Solid*	32	U		10	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Acenaphthene, 3541 Low Solid*	18	J	a	8.2	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Dibenzofuran, 3541 Low Solid*	12	J	a	8.7	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	4-Nitrophenol, 3541 Low Solid*	660	U		210	660	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Fluorene, 3541 Low Solid*	21	J	a	8.9	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	4-Nitroaniline, 3541 Low Solid*	660	U		44	660	1.00000	ug/Kg	135735		11/28/04 0510	glr
	4-Bromophenyl phenyl ether, 3541 Low Solid*	160	U		9.8	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Hexachlorobenzene, 3541 Low Solid*	32	U		9.4	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Diethyl phthalate, 3541 Low Solid*	66	U		9.4	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	160	U		9.7	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Pentachlorophenol, 3541 Low Solid*	320	U		110	320	1.00000	ug/Kg	135735		11/28/04 0510	glr
	n-Nitrosodiphenylamine, 3541 Low Solid*	32	U		10	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	660	U		170	660	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Phenanthrene, 3541 Low Solid*	220	U		15	49	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Anthracene, 3541 Low Solid*	58	U		11	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Carbazole, 3541 Low Solid*	160	U		12	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Di-n-butyl phthalate, 3541 Low Solid*	160	U		11	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Fluoranthene, 3541 Low Solid*	640	U		11	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Pyrene, 3541 Low Solid*	600	U		12	49	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Butyl benzyl phthalate, 3541 Low Solid*	66	U		10	66	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Benzo(a)anthracene, 3541 Low Solid*	330	U		9.7	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Chrysene, 3541 Low Solid*	370	U		10	32	1.00000	ug/Kg	135735		11/28/04 0510	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 ADGS

ATTN: Eric Ellis

Customer Sample ID: ASYss-027M-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-14
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	160		U	14	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	160		U	31	160	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Di-n-octyl phthalate, 3541 Low Solid*	320		U	10	320	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Benzo(b)fluoranthene, 3541 Low Solid*	500		N	8.8	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Benzo(k)fluoranthene, 3541 Low Solid*	210		N	9.3	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Benzo(a)pyrene, 3541 Low Solid*	370			9.4	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	230			10	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	70			9.4	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
	Benzo(ghi)perylene, 3541 Low Solid*	310			11	32	1.00000	ug/Kg	135735		11/28/04 0510	glr
Method	% Solids Determination											
	% Solids, Solid	95.3			0.10	0.10	1	%	133581		11/08/04 2245	daj
	% Moisture, Solid	4.7			0.10	0.10	1	%	133581		11/08/04 2245	daj

* In Description = Dry Mgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-027M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-14 Date Received.....: 11/06/2004 Time Received.....: 11:00									
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	135135		11/11/04 2233	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135135		11/11/04 2233	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135135		11/11/04 2233	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135135		11/11/04 2233	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135135		11/11/04 2233	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135135		11/11/04 2233	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/11/04 2233	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135135		11/11/04 2233	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135135		11/11/04 2233	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/11/04 2233	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135135		11/11/04 2233	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 2233	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 2233	san
3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 2233	san	
8332M	NG/PETN by 8332M (HPLC) Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	135044		11/20/04 0834	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYSS-027M-DUP

Trace Level Organic Compounds

Matrix.....: SOLID

Lot-Sample #....: G4K060194-009 Work Order #....: GMPAQ1AA
Date Sampled....: 11/03/04 14:00 Date Received...: 11/06/04
Prep Date.....: 11/09/04 Analysis Date...: 11/10/04
Prep Batch #....: 4314545
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	NONE UV/HPIC per

STL CHICAGO

Client Sample ID: ASYSS-027M-DUP

General Chemistry

Lot-Sample #...: G4K060194-009 Work Order #...: GWFAQ
Date Sampled...: 11/03/04 Date Received...: 11/06/04

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrocellulose	1.2 B	2.0	mg/kg	MCAWM 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: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-028M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-23
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.8			0.10	0.10	1	%	133522		11/08/04 1245	daJ
	% Moisture, Solid	5.2			0.10	0.10	1	%	133522		11/08/04 1245	daJ
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	134574		11/16/04 1148	daJ
7841	Thallium (GFAA) Thallium, Solid*	0.61		U	0.19	0.61	1	mg/Kg	134623		11/16/04 1440	daJ
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033			0.0045	0.017	1	mg/Kg	134643		11/16/04 1654	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.3	14	1	mg/Kg	134454		11/15/04 1639	tds
	Barium, Solid*	86			0.15	0.96	1	mg/Kg	134454		11/15/04 1639	tds
	Arsenic, Solid*	13			0.49	1.4	1	mg/Kg	134454		11/15/04 1639	tds
	Beryllium, Solid*	0.82			0.042	0.38	1	mg/Kg	134454		11/15/04 1639	tds
	Cadmium, Solid*	0.24		U	0.077	0.24	1	mg/Kg	134454		11/15/04 1639	tds
	Calcium, Solid*	2900			3.0	9.6	1	mg/Kg	134454		11/15/04 1639	tds
	Chromium, Solid*	20			0.21	0.96	1	mg/Kg	134454		11/15/04 1639	tds
	Cobalt, Solid*	10			0.13	0.48	1	mg/Kg	134454		11/15/04 1639	tds
	Copper, Solid*	20			0.86	2.9	1	mg/Kg	134454		11/15/04 1639	tds
	Iron, Solid*	26000			2.9	9.6	1	mg/Kg	134454		11/15/04 1639	tds
	Magnesium, Solid*	2900			1.6	9.6	1	mg/Kg	134454		11/15/04 1639	tds
	Manganese, Solid*	340			0.12	0.96	1	mg/Kg	134454		11/15/04 1639	tds
	Nickel, Solid*	26			0.24	0.96	1	mg/Kg	134454		11/15/04 1639	tds
	Lead, Solid*	18			0.41	1.4	1	mg/Kg	134454		11/15/04 1639	tds
	Potassium, Solid*	1600			13	48	1	mg/Kg	134454		11/15/04 1639	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS					Date: 11/19/2004					
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: ASYss-028M-S0 Date Sampled.....: 11/03/2004 Time Sampled.....: 10:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-23 Date Received.....: 11/05/2004 Time Received.....: 09:30									
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	134454		11/15/04 1639	tds	
	Silver, Solid*	0.96	U	0.30	0.96	1	mg/Kg	134454		11/15/04 1639	tds	
	Sodium, Solid*	380		83	290	1	mg/Kg	134454		11/15/04 1639	tds	
	Vanadium, Solid*	21		0.20	0.96	1	mg/Kg	134454		11/15/04 1639	tds	
	Zinc, Solid*	110		0.38	1.9	1	mg/Kg	134454		11/15/04 1639	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 1& ADCS

ATTN: ERIC ELLIS

Customer Sample ID: ASYss-D28M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-23
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	134769		11/11/04 1154	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 1154	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 1154	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134769		11/11/04 1154	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 1154	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 1154	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 1154	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 1154	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 1154	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 1154	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 1154	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 1154	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 1154	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 1154	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231977

Date: 12/01/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-029M-S0
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 231977-2
 Date Received.....: 11/13/2004
 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	%	134234		11/14/04 1842	clb
	% Moisture, Solid	2.2			0.10	0.10	1	%	134234		11/14/04 1842	clb
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	135006		11/19/04 2045	daj
7841	Thallium (GFAA) Thallium, Solid*	0.59		U	0.19	0.59	1	mg/Kg	135008		11/20/04 0040	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.074			0.0044	0.017	1	mg/Kg	135610		11/24/04 1405	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.3	15	1	mg/Kg	135536		11/24/04 1822	tds
	Barium, Solid*	83			0.16	0.98	1	mg/Kg	135536		11/24/04 1822	tds
	Arsenic, Solid*	9.2			0.50	1.5	1	mg/Kg	135536		11/24/04 1822	tds
	Beryllium, Solid*	0.68			0.043	0.39	1	mg/Kg	135536		11/24/04 1822	tds
	Cadmium, Solid*	0.24		U	0.078	0.24	1	mg/Kg	135536		11/24/04 1822	tds
	Calcium, Solid*	910			3.0	9.8	1	mg/Kg	135536		11/24/04 1822	tds
	Chromium, Solid*	18			0.21	0.98	1	mg/Kg	135536		11/24/04 1822	tds
	Cobalt, Solid*	4.8			0.14	0.49	1	mg/Kg	135536		11/24/04 1822	tds
	Copper, Solid*	9.7			0.88	2.9	1	mg/Kg	135536		11/24/04 1822	tds
	Iron, Solid*	21000			2.9	9.8	1	mg/Kg	135536		11/24/04 1822	tds
	Magnesium, Solid*	1400			1.7	9.8	1	mg/Kg	135536		11/24/04 1822	tds
	Manganese, Solid*	95			0.13	0.98	1	mg/Kg	135536		11/24/04 1822	tds
	Nickel, Solid*	13			0.24	0.98	1	mg/Kg	135536		11/24/04 1822	tds
	Lead, Solid*	20			0.42	1.5	1	mg/Kg	135536		11/24/04 1822	tds
	Potassium, Solid*	1200			13	49	1	mg/Kg	135536		11/24/04 1822	tds

* In Description = Dry Wgt.

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Job Number: 231977 LABORATORY TEST RESULTS Date: 12/01/2004

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

Customer Sample ID: ASYss-029M-S0
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 231977-2
 Date Received.....: 11/13/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.93	B		0.39	1.5	1	mg/Kg	135536		11/24/04 1822	tds
	Silver, Solid*	0.98	U		0.30	0.98	1	mg/Kg	135536		11/24/04 1822	tds
	Sodium, Solid*	340			85	290	1	mg/Kg	135536		11/24/04 1822	tds
	Vanadium, Solid*	22			0.20	0.98	1	mg/Kg	135536		11/24/04 1822	tds
	Zinc, Solid*	56			0.39	2.0	1	mg/Kg	135536		11/24/04 1822	tds

* In Description = Dry Wgt.

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Job Number: 231977		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: ASYss-029M-50 Date Sampled.....: 11/11/2004 Time Sampled.....: 09:30 Sample Matrix.....: Soil			Laboratory Sample ID: 231977-2 Date Received.....: 11/13/2004 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	135594		11/20/04 2205	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135594		11/20/04 2205	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135594		11/20/04 2205	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232010

Date: 12/01/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-030M-S0
 Date Sampled.....: 11/10/2004
 Time Sampled.....: 16:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232010-2
 Date Received.....: 11/16/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.8			0.10	0.10	1	%	134487		11/16/04 1234	daj
	% Moisture, Solid	2.2			0.10	0.10	1	%	134487		11/16/04 1234	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.44	1.4	1	mg/Kg	135109		11/21/04 1836	daj
7841	Thallium (GFAA) Thallium, Solid*	0.60		U	0.19	0.60	1	mg/Kg	135107		11/22/04 0438	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.079			0.0044	0.017	1	mg/Kg	135393		11/23/04 1226	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.2	14	1	mg/Kg	135680		11/29/04 1612	tds
	Barium, Solid*	110			0.15	0.94	1	mg/Kg	135680		11/29/04 1612	tds
	Arsenic, Solid*	10			0.48	1.4	1	mg/Kg	135680		11/29/04 1612	tds
	Beryllium, Solid*	0.96			0.041	0.37	1	mg/Kg	135680		11/29/04 1612	tds
	Cadmium, Solid*	0.47			0.075	0.23	1	mg/Kg	135680		11/29/04 1612	tds
	Calcium, Solid*	1400			2.9	9.4	1	mg/Kg	135680		11/29/04 1612	tds
	Chromium, Solid*	19			0.21	0.94	1	mg/Kg	135680		11/29/04 1612	tds
	Cobalt, Solid*	5.8			0.13	0.47	1	mg/Kg	135680		11/29/04 1612	tds
	Copper, Solid*	17			0.84	2.8	1	mg/Kg	135680		11/29/04 1612	tds
	Iron, Solid*	21000			2.8	9.4	1	mg/Kg	135680		11/29/04 1612	tds
	Magnesium, Solid*	1700			1.6	9.4	1	mg/Kg	135680		11/29/04 1612	tds
	Manganese, Solid*	160			0.12	0.94	1	mg/Kg	135680		11/29/04 1612	tds
	Nickel, Solid*	15			0.23	0.94	1	mg/Kg	135680		11/29/04 1612	tds
	Lead, Solid*	38			0.40	1.4	1	mg/Kg	135680		11/29/04 1612	tds
	Potassium, Solid*	1200			13	47	1	mg/Kg	135680		11/29/04 1612	tds

* In Description = Dry Wgt.

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Job Number: 232010		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: RKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-030M-S0 Date Sampled.....: 11/10/2004 Time Sampled.....: 16:10 Sample Matrix.....: Soil			Laboratory Sample ID: 232010-2 Date Received.....: 11/16/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	RDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.46	B		0.37	1.4	1	mg/Kg	135680		11/29/04 1612	tds
	Silver, Solid*	0.94	U		0.29	0.94	1	mg/Kg	135680		11/29/04 1612	tds
	Sodium, Solid*	320			81	280	1	mg/Kg	135680		11/29/04 1612	tds
	Vanadium, Solid*	22			0.20	0.94	1	mg/Kg	135680		11/29/04 1612	tds
	Zinc, Solid*	82			0.37	1.9	1	mg/Kg	135680		11/29/04 1612	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232010 Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc. ATTN: Eric Ellys

PROJECT: USACE RYAAP 14 ADCS

Customer Sample ID: ASYss-030M-SO
 Date Sampled.....: 11/10/2004,
 Time Sampled.....: 16:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 232010-2
 Date Received.....: 11/16/2004
 Time Received.....: 09:30

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	135805		11/18/04 2112	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135805		11/18/04 2112	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135805		11/18/04 2112	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135805		11/18/04 2112	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135805		11/18/04 2112	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135805		11/18/04 2112	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135805		11/18/04 2112	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135805		11/18/04 2112	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135805		11/18/04 2112	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135805		11/18/04 2112	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135805		11/18/04 2112	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135805		11/18/04 2112	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135805		11/18/04 2112	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135805		11/18/04 2112	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: Z32010

Date: 12/01/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-031M-S0
 Date Sampled.....: 11/10/2004
 Time Sampled.....: 16:15
 Sample Matrix.....: Soil

Laboratory Sample ID: Z32010-3
 Date Received.....: 11/16/2004
 Time Received.....: 09:30

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	%	134487		11/16/04 1236	daj
	% Moisture, Solid	2.3			0.10	0.10	1	%	134487		11/16/04 1236	daj
7041	Antimony (GFAA) Antimony, Solid*	1.4		U	0.43	1.4	1	mg/Kg	135109		11/21/04 1900	daj
7841	Thallium (GFAA) Thallium, Solid*	0.26		B	0.18	0.58	1	mg/Kg	135107		11/22/04 0450	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.083			0.0044	0.017	1	mg/Kg	135393		11/23/04 1228	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.3	15	1	mg/Kg	135680		11/29/04 1618	tds
	Barium, Solid*	130			0.16	0.97	1	mg/Kg	135680		11/29/04 1618	tds
	Arsenic, Solid*	12			0.50	1.5	1	mg/Kg	135680		11/29/04 1618	tds
	Beryllium, Solid*	1.2			0.043	0.39	1	mg/Kg	135680		11/29/04 1618	tds
	Cadmium, Solid*	1.4			0.078	0.24	1	mg/Kg	135680		11/29/04 1618	tds
	Calcium, Solid*	2800			3.0	9.7	1	mg/Kg	135680		11/29/04 1618	tds
	Chromium, Solid*	18			0.21	0.97	1	mg/Kg	135680		11/29/04 1618	tds
	Cobalt, Solid*	16			0.14	0.49	1	mg/Kg	135680		11/29/04 1618	tds
	Copper, Solid*	31			0.88	2.9	1	mg/Kg	135680		11/29/04 1618	tds
	Iron, Solid*	22000			2.9	9.7	1	mg/Kg	135680		11/29/04 1618	tds
	Magnesium, Solid*	2000			1.7	9.7	1	mg/Kg	135680		11/29/04 1618	tds
	Manganese, Solid*	940			0.13	0.97	1	mg/Kg	135680		11/29/04 1618	tds
	Nickel, Solid*	25			0.24	0.97	1	mg/Kg	135680		11/29/04 1618	tds
	Lead, Solid*	41			0.42	1.5	1	mg/Kg	135680		11/29/04 1618	tds
	Potassium, Solid*	1200			13	49	1	mg/Kg	135680		11/29/04 1618	tds

* In Description = Dry Wgt.

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Job Number: 232010		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Elits					
Customer Sample ID: ASYss-031M-S0 Date Sampled.....: 11/10/2004 Time Sampled.....: 16:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232010-3 Date Received.....: 11/16/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.0	B		0.39	1.5	1	mg/Kg	135680		11/29/04 1618	tds
	Silver, Solid*	0.97	U		0.30	0.97	1	mg/Kg	135680		11/29/04 1618	tds
	Sodium, Solid*	320			85	290	1	mg/Kg	135680		11/29/04 1618	tds
	Vanadium, Solid*	22			0.20	0.97	1	mg/Kg	135680		11/29/04 1618	tds
	Zinc, Solid*	220			0.39	1.9	1	mg/Kg	135680		11/29/04 1618	tds

* In Description = Dry Wgt.

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Job Number: 232010		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE XVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-031M-S0 Date Sampled.....: 11/10/2004 Time Sampled.....: 16:15 Sample Matrix.....: Soil			Laboratory Sample ID: 232010-3 Date Received.....: 11/16/2004 Time Received.....: 09:30									
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	135805		11/18/04 2145	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135805		11/18/04 2145	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135805		11/18/04 2145	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135805		11/18/04 2145	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135805		11/18/04 2145	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135805		11/18/04 2145	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135805		11/18/04 2145	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135805		11/18/04 2145	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135805		11/18/04 2145	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	135805		11/18/04 2145	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135805		11/18/04 2145	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135805		11/18/04 2145	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135805		11/18/04 2145	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135805		11/18/04 2145	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657								Date: 11/18/2004				
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: ASYss-032M-S0 Date Sampled.....: 11/02/2004 Time Sampled.....: 09:10 Sample Matrix.....: Soil						Laboratory Sample ID: 231657-19 Date Received.....: 11/04/2004 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	57.5			0.10	0.10	1	%	133225		11/04/04 2334	clb
	% Moisture, Solid	42.5			0.10	0.10	1	%	133225		11/04/04 2334	clb
7041	Antimony (GFAA) Antimony, Solid*	2.1		U	0.65	2.1	1	mg/Kg	133945		11/10/04 1842	daj
7841	Thallium (GFAA) Thallium, Solid*	0.89		U	0.28	0.89	1	mg/Kg	134375		11/13/04 0700	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.066			0.0075	0.029	1	mg/Kg	134643		11/16/04 1506	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	16000			3.8	23	1	mg/Kg	134280		11/13/04 1726	tds
	Barium, Solid*	120			0.25	1.6	1	mg/Kg	134280		11/13/04 1726	tds
	Arsenic, Solid*	11			0.80	2.3	1	mg/Kg	134280		11/13/04 1726	tds
	Beryllium, Solid*	1.3			0.069	0.63	1	mg/Kg	134280		11/13/04 1726	tds
	Cadmium, Solid*	1.3			0.13	0.39	1	mg/Kg	134280		11/13/04 1726	tds
	Calcium, Solid*	3100			4.9	16	1	mg/Kg	134280		11/13/04 1726	tds
	Chromium, Solid*	19			0.34	1.6	1	mg/Kg	134280		11/13/04 1726	tds
	Cobalt, Solid*	19			0.22	0.78	1	mg/Kg	134280		11/13/04 1726	tds
	Copper, Solid*	25			1.4	4.7	1	mg/Kg	134280		11/13/04 1726	tds
	Iron, Solid*	27000			4.7	16	1	mg/Kg	134280		11/13/04 1726	tds
	Magnesium, Solid*	2400			2.7	16	1	mg/Kg	134280		11/13/04 1726	tds
	Manganese, Solid*	1700			0.20	1.6	1	mg/Kg	134280		11/13/04 1726	tds
	Nickel, Solid*	31			0.39	1.6	1	mg/Kg	134280		11/13/04 1726	tds
	Lead, Solid*	33			0.67	2.3	1	mg/Kg	134280		11/13/04 1726	tds
	Potassium, Solid*	1400			22	78	1	mg/Kg	134280		11/13/04 1726	tds

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYss-032M-S0 Date Sampled.....: 11/02/2004 Time Sampled.....: 09:10 Sample Matrix.....: Soil			Laboratory Sample ID: 231657-19 Date Received.....: 11/04/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.3	U		0.63	2.3	1	mg/Kg	134280		11/13/04 1726	tds
	Silver, Solid*	1.6	U		0.49	1.6	1	mg/Kg	134280		11/13/04 1726	tds
	Sodium, Solid*	370	B		140	470	1	mg/Kg	134280		11/13/04 1726	tds
	Vanadium, Solid*	26			0.33	1.6	1	mg/Kg	134280		11/13/04 1726	tds
	Zinc, Solid*	260			0.63	3.1	1	mg/Kg	134280		11/13/04 1726	tds

* In Description = Dry Wgt.

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Job Number: 231657

LABORATORY TEST RESULTS

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-032M-S0
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 231657-19
 Date Received.....: 11/04/2004
 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	134710		11/10/04 0007	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134710		11/10/04 0007	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134710		11/10/04 0007	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134710		11/10/04 0007	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134710		11/10/04 0007	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134710		11/10/04 0007	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134710		11/10/04 0007	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134710		11/10/04 0007	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134710		11/10/04 0007	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134710		11/10/04 0007	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134710		11/10/04 0007	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134710		11/10/04 0007	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134710		11/10/04 0007	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134710		11/10/04 0007	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellits

Customer Sample ID: ASYss-033M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-11
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.0			0.10	0.10	1	%	133581		11/08/04 2237	daj
	% Moisture, Solid	9.0			0.10	0.10	1	%	133581		11/08/04 2237	daj
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.46	1.5	1	mg/Kg	134362		11/13/04 1406	daj
7841	Thallium (GFAA) Thallium, Solid*	0.63		U	0.20	0.63	1	mg/Kg	134456		11/15/04 2035	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.099			0.0047	0.018	1	mg/Kg	134658		11/17/04 1153	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			2.5	16	1	mg/Kg	134566		11/16/04 1742	tds
	Barium, Solid*	94			0.17	1.0	1	mg/Kg	134566		11/16/04 1742	tds
	Arsenic, Solid*	8.4			0.53	1.6	1	mg/Kg	134566		11/16/04 1742	tds
	Beryllium, Solid*	0.81			0.046	0.42	1	mg/Kg	134566		11/16/04 1742	tds
	Cadmium, Solid*	0.91			0.084	0.26	1	mg/Kg	134566		11/16/04 1742	tds
	Calcium, Solid*	3800			3.2	10	1	mg/Kg	134566		11/16/04 1742	tds
	Chromium, Solid*	21			0.23	1.0	1	mg/Kg	134566		11/16/04 1742	tds
	Cobalt, Solid*	8.7			0.15	0.52	1	mg/Kg	134566		11/16/04 1742	tds
	Copper, Solid*	20			0.94	3.1	1	mg/Kg	134566		11/16/04 1742	tds
	Iron, Solid*	20000			3.1	10	1	mg/Kg	134566		11/16/04 1742	tds
	Magnesium, Solid*	2300			1.8	10	1	mg/Kg	134566		11/16/04 1742	tds
	Manganese, Solid*	570			0.14	1.0	1	mg/Kg	134566		11/16/04 1742	tds
	Nickel, Solid*	23			0.26	1.0	1	mg/Kg	134566		11/16/04 1742	tds
	Lead, Solid*	43			0.45	1.6	1	mg/Kg	134566		11/16/04 1742	tds
	Potassium, Solid*	1300			14	52	1	mg/Kg	134566		11/16/04 1742	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-033M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 15:20 Sample Matrix.....: Soil			Laboratory Sample ID: 231758-11 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.68	B		0.42	1.6	1					
	Silver, Solid*	1.0	U		0.32	1.0	1	mg/Kg	134566		11/16/04 1742	tds
	Sodium, Solid*	340			91	310	1	mg/Kg	134566		11/16/04 1742	tds
	Vanadium, Solid*	22			0.22	1.0	1	mg/Kg	134566		11/16/04 1742	tds
	Zinc, Solid*	140			0.42	2.1	1	mg/Kg	134566		11/16/04 1742	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231758

Date: 11/22/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYss-033M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 231758-11
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

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	135135		11/11/04 2056	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135135		11/11/04 2056	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135135		11/11/04 2056	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135135		11/11/04 2056	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135135		11/11/04 2056	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135135		11/11/04 2056	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135135		11/11/04 2056	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135135		11/11/04 2056	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/11/04 2056	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/11/04 2056	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135135		11/11/04 2056	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135135		11/11/04 2056	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/11/04 2056	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/11/04 2056	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: PKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-034M-S0
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 16:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-21
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	84.1		0.10	0.10	1	%	133522		11/08/04 1241	daj
	% Moisture, Solid	15.9		0.10	0.10	1	%	133522		11/08/04 1241	daj
7041	Antimony (GFAA) Antimony, Solid*	1.6	U	0.49	1.6	1	mg/Kg	134362		11/13/04 1900	daj
7841	Thallium (GFAA) Thallium, Solid*	0.67	U	0.21	0.67	1	mg/Kg	134456		11/15/04 2237	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.042		0.0051	0.020	1	mg/Kg	134643		11/16/04 1650	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	12000		2.7	17	1	mg/Kg	134454		11/15/04 1627	tds
	Barium, Solid*	66		0.18	1.1	1	mg/Kg	134454		11/15/04 1627	tds
	Arsenic, Solid*	5.5		0.57	1.7	1	mg/Kg	134454		11/15/04 1627	tds
	Beryllium, Solid*	0.62		0.049	0.44	1	mg/Kg	134454		11/15/04 1627	tds
	Cadmium, Solid*	0.28	U	0.089	0.28	1	mg/Kg	134454		11/15/04 1627	tds
	Calcium, Solid*	1700		3.4	11	1	mg/Kg	134454		11/15/04 1627	tds
	Chromium, Solid*	20		0.24	1.1	1	mg/Kg	134454		11/15/04 1627	tds
	Cobalt, Solid*	7.0		0.16	0.56	1	mg/Kg	134454		11/15/04 1627	tds
	Copper, Solid*	8.0		1.0	3.3	1	mg/Kg	134454		11/15/04 1627	tds
	Iron, Solid*	16000		3.3	11	1	mg/Kg	134454		11/15/04 1627	tds
	Magnesium, Solid*	1900		1.9	11	1	mg/Kg	134454		11/15/04 1627	tds
	Manganese, Solid*	440		0.14	1.1	1	mg/Kg	134454		11/15/04 1627	tds
	Nickel, Solid*	17		0.28	1.1	1	mg/Kg	134454		11/15/04 1627	tds
	Lead, Solid*	16		0.48	1.7	1	mg/Kg	134454		11/15/04 1627	tds
	Potassium, Solid*	970		15	56	1	mg/Kg	134454		11/15/04 1627	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date:11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYss-034M-SO Date Sampled.....: 11/03/2004 Time Sampled.....: 16:00 Sample Matrix.....: Soil			Laboratory Sample ID: 231715-21 Date Received.....: 11/05/2004 Time Received.....: 09:30									
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	134454		11/15/04 1627	tds
	Silver, Solid*	1.1	U		0.34	1.1	1	mg/Kg	134454		11/15/04 1627	tds
	Sodium, Solid*	280	B		96	330	1	mg/Kg	134454		11/15/04 1627	tds
	Vanadium, Solid*	22			0.23	1.1	1	mg/Kg	134454		11/15/04 1627	tds
	Zinc, Solid*	68			0.44	2.2	1	mg/Kg	134454		11/15/04 1627	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYss-034M-SO
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 16:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 231715-21
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	134769		11/12/04 1520	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134769		11/12/04 1520	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	134769		11/12/04 1520	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134769		11/12/04 1520	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	134769		11/12/04 1520	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134769		11/12/04 1520	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134769		11/12/04 1520	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	134769		11/12/04 1520	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/12/04 1520	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/12/04 1520	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	134769		11/12/04 1520	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134769		11/12/04 1520	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/12/04 1520	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	134769		11/12/04 1520	san

* In Description = Dry Wgt.